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Loran C 1985 Winter Stability Data Report

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16. Abstract

This report documents the Loran C time difference (TD) variation recorded in the winter over various geographical locations in the United States. Since the data presented are for one season only, no analysis of the effects of seasonal stability on position errors are presented. Comparisons of the seasonal data have been presented in other reports ("Related Documents" Nos. 14 and 15).

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EXECUTIVE SUMMARY

This report documents various parameters collected for the winter flights (January 28 to February 16, 1985) of the Loran C Stability Test program. Tabular data are presented for each Loran C chain. The data include aircraft position, time difference (TD) bias, signal-to-noise ratio (SNR), atmospheric noise, and envelope-to-cycle discrepancy (ECD) as recorded and determined by the Advanced Navigation ANI-7000 receiver. TD biases are also presented for the Teledyne TDL-711 receiver. Since the data presented are for one season only, no analysis of the effects of seasonal stability on position errors as they pertain to Advisory Circular 90-45A for nonprecision approaches has been presented. However, certain anomalies in the data are noted. Comparisons of the seasonal data have been presented in other reports ("Related Documents" Nos. 14 and 15).

INTRODUCTION

OBJECTIVE.

The purpose of the Loran C stability tests is to investigate seasonal time difference (TD) variations in the Loran C grid over the continental United States (U.S.), and their associated position errors as they pertain to Federal Aviation Administration (FAA) Advisory Circular (AC) 90-45A for nonprecision approaches. This winter data report is intended to present the Loran C TD variation with respect to geographical location and to provide an indication of Loran C coverage based on signal-to-noise ratio (SNR) for the various chains over the U.S.

BACKGROUND.

Loran C is a pulsed, low frequency 100 kilohertz (kHz), hyperbolic navigation system. Loran C receivers convert signals from a master station and at least two secondaries into TD's which are used to derive a geodetic position. Loran C ground wave signals provide coverage at low altitudes and in remote regions.

The major source of error in Loran C is uncertainty in the propagation velocity of the ground wave signal along the signal paths. This velocity is dependent on the conductivity of the earth's surface, the atmospheric index of refraction, and lapse rate. Loran C receivers convert TD's into geodetic position using various signal propagation models, ranging from a simple baseline model which uses standard atmosphere and all seawater path, to the highly complex, five-level Defense Mapping Agency (DMA) conductivity map based on Millington's method. Conductivity changes affect the stability of the Loran grid and the receiver's coordinate conversion calculation. The difference between the actual signal velocity and the velocity used by the receiver's propagation model can lead to position errors that are unacceptable for nonprecision approaches.

Loran C grid instability consists of short term instability intervals, i.e., periods less than 10 hours, and a long term or seasonal instability interval with a period of 1 year. Short term instability is principally noise and equipment related, and is considered negligible for the 5-minute period necessary for a nonprecision approach (see Related Documents No. 1).

Grid stability is not uniform throughout the Loran C coverage area. The TD's are controlled to 0.1 microsecond at the System Area Monitor (SAM). One current theory predicts the TD's variation due to seasonal effects are related to the double range difference (DRD) from the SAM (see Related Documents No. 12). Position errors are due to instability and are dependent on location, the Loran C chain in use, and triad geometry.

The effects of grid bias on aircraft position may be reduced by the use of a more complex propagation model or by area calibration of the receiver. Area

calibration consists of compensating a receiver's propagation model to agree with the real world. Corrections are valid for a given area around the calibration point. Area calibration can be applied in order to meet the requirements of AC 90-45A for nonprecision approaches in certain areas. For some areas a single calibration over the entire year may suffice. In other areas the position errors due to grid instability may necessitate a periodic update of area calibration.

RELATED DOCUMENTS.

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16. Evans, Jean M., Wortham, Martin, and Bernheisel, Robert J., Loran C Summer Stability Data Report, FAA Technical Center, Technical Note DOT/FAA/CT-TN86/53, December 1986.

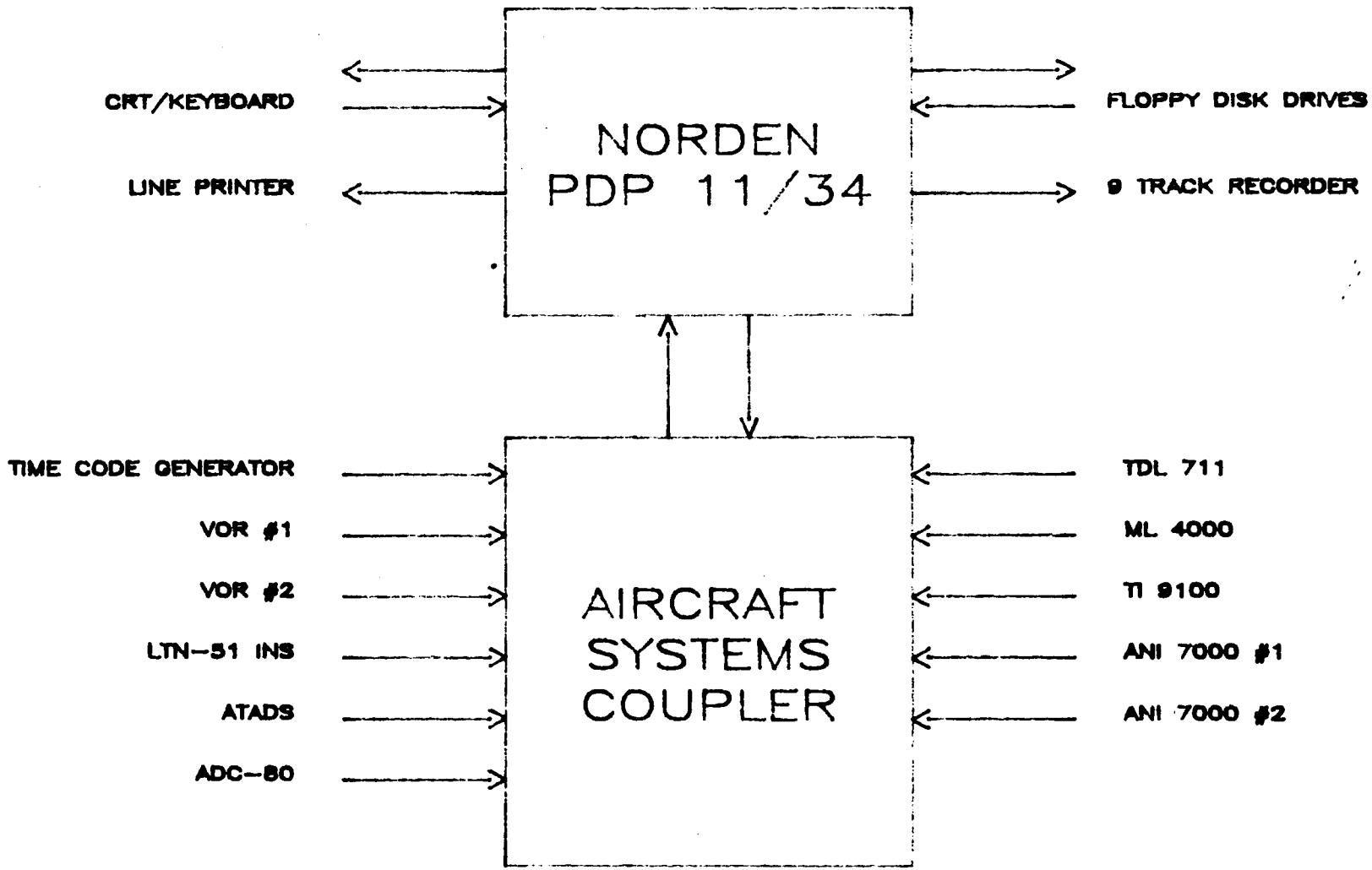
DATA COLLECTION SYSTEM

All data parameters were collected using a Norden militarized PDP 11/34 minicomputer with a 9-track tape recorder. The data collection system is shown in figure 1; the flight profile is shown in figure 2. The large dots and designators on the flight profile plot represent the very high frequency omnidirectional range (VOR) stations followed en route, as well as VOR intersections. The length and width of the flight profile was selected: (1) to encompass large portions of the conterminous U.S., (2) to provide data for Loran C chains over various terrains and conductivity profiles, and (3) to be completed in less than 100 hours of flight time.

The Aircraft Tracking and Data System (ATADS) was used to generate a reference aircraft position (see Related Documents No. 2). The aircraft's position was determined using multiple distance measurement equipment (DME) ranges from several ground stations.

The airborne system consisted of a modified airborne DME interrogator unit (cycler tracker) and a microprocessor unit. Station channeling, station acquisition, and range tracking are controlled by the microprocessor. The normal sequencing rate of the cycler/tracker is 10 stations per second. The ATADS was configured to function in a free scan mode, whereby the stations were selected on a first come, first serve basis using sequential scanning.

The following production model Loran C receivers were used for these tests: Teledyne TDL-711, Micrologic ML-4000, Texas Instruments TI-9100, and two Advanced Navigation (ANI)-7000 units. All receivers were operated in the wide open mode, i.e., automatic station selection, except the TDL-711 which required manual entry of the chain and triad. The data collection system sampled and recorded Loran C parameters every 10 seconds. Barometric altitude and ATADS DME ranges were sampled every second in order to provide continuous reference position data.



Note:
CRT = Cathode Ray Tube
LTN = Litton
ADC = Air Data Computer

FIGURE 1. DATA COLLECTION SYSTEM

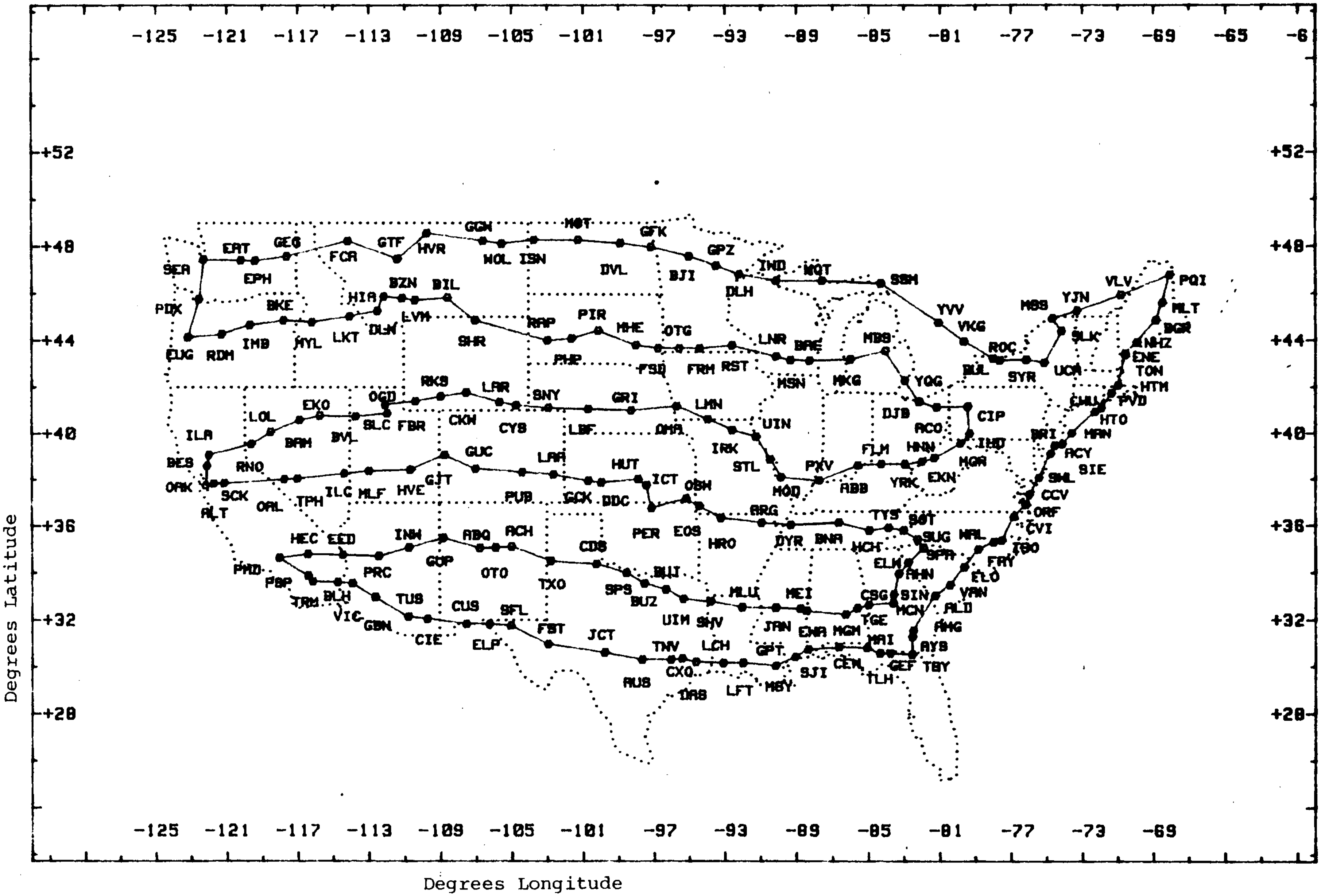


FIGURE 2. FLIGHT PROFILE

TEST RESULTS

DESCRIPTION OF DATA REDUCTION AND ANALYSIS.

The data for the winter stability test flights were collected between January 28 and February 16, 1985. To facilitate data reduction, the data collected during these flights were processed in 14 segments, which are shown in figure 3. The start/stop waypoints for each segment and their respective latitudes and longitudes (lat/long) are listed in table 1.

The ATADS positioning system generates a new position every 0.1 second, which is time merged with the Loran C parameters. Great circle distances are computed between the reference system's position and the Loran C transmitters. Seawater reference TD's are then calculated using these distances; the transmitter's emission delay, and a seawater propagation delay (see appendix A in document 13, Related Documents).

The Loran C data parameters for the summer flights are presented in tabular form for each chain. An example of the tabular data is shown in table 2. The complete data tables are contained in appendix A. All quantities, except for the reference position, are averaged over 1 minute, or six samples. For an aircraft traveling at 300 nautical miles (nmi) per hour, this interval represents a distance of 5 nmi. The reference lat/long for each entry in the tables corresponds to the center of this window, or the 30-second point of the 1-minute average. Each of the tables of appendix A contain the following parameters.

Aircraft (A/C) Reference Lat/Long. The ATADS reference position in degrees, generated every 0.1 second, and time merged with the Loran C parameters. These values are used to compute seawater reference TD's.

TD Bias. The difference, in microseconds, between the TD measured by the receiver and the seawater model reference TD calculated from the ATADS position.

Atmospheric Noise. The root mean square (rms) level noise, in decibel (dB)/microvolt/meter, measured through a 30 kHz bandwidth (BW) filter. This measurement is random and can include energy from Loran C transmitters. When close to a Loran C transmitter the measurement is greatly affected and is no longer a true measure of atmospheric noise.

SNR. The field strength, in dB, of the transmitter minus the atmospheric noise. Field strength is the rms value of the signal strength at the third cycle of the Loran C pulse.

Envelope-to-Cycle Discrepancy (ECD). The time relationship, in microseconds, between the phase of the radio frequency (RF) carrier and the time origin of the envelope waveform of the Loran C pulse. The ECD represents a measure of signal distortion and should ideally be a value between -2.5 and +2.5 microseconds.

TD bias, atmospheric noise, station SNR, and ECD are presented as determined from the ANI-7000 receiver. Only TD bias is presented for the TDL-711 receiver.

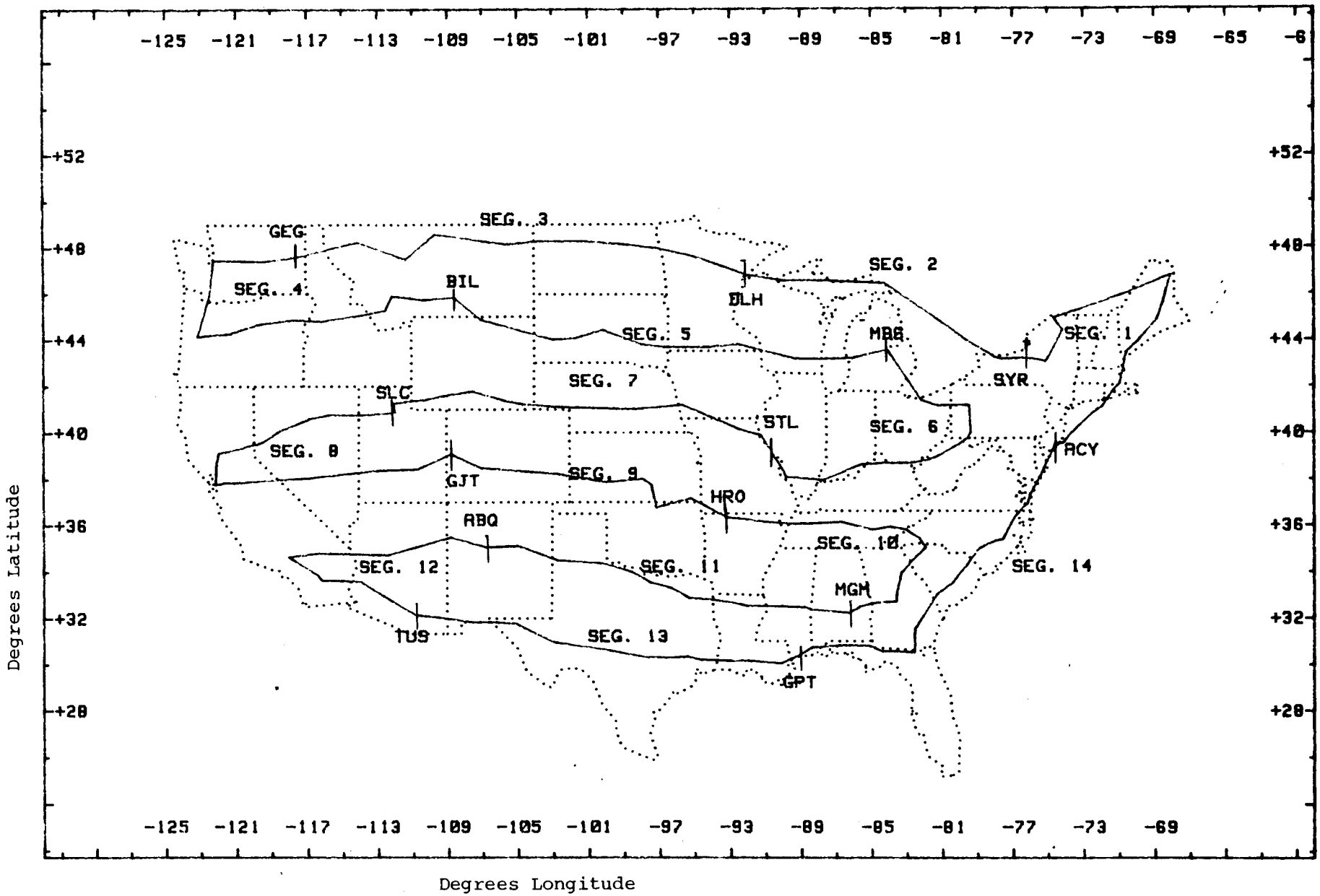


FIGURE 3. DATA REDUCTION SEGMENTS

TABLE 1. WINTER STABILITY FLIGHT SEGMENTS

	From Waypoint			To Waypoint		
Segment No.	VOR	Lat	Long	VOR	Lat	Long
		(Degrees, Min)			(Degrees, Min)	
1	ACY	39 27.4	74 34.6	BUF	42 55.7	78 38.8
2	BUF	42 55.7	78 38.3	DLH	46 48.1	92 12.2
3	DLH	46 48.1	92 12.2	GEG	47 33.9	117 37.6
4	GEG	47 33.9	117 37.6	BIL	45 48.5	108 37.4
5	BIL	45 48.5	108 37.4	MSB	43 31.9	84 04.6
6	MSB	43 31.9	84 04.6	STL	38 51.6	90 28.9
7	STL	38 51.6	90 28.9	SLC	40 51.0	111 58.9
8	SLC	40 51.0	111 58.9	GJT	39 03.6	108 47.5
9	GJT	39 03.6	108 47.5	HRO	36 19.1	93 12.8
10	HRO	36 19.1	93 12.8	MGM	32 13.3	86 19.2
11	MGM	32 13.3	86 19.2	ABQ	35 02.6	106 49.0
12	ABQ	35 02.6	106 49.0	TUS	32 07.4	110 49.2
13	TUS	32 07.4	110 49.2	GPT	30 24.4	89 04.6
14	GPT	30 24.4	89 04.6	ACY	39 27.4	74 34.6

TABLE 2. WINTER STABILITY EXAMPLE DATA TABLE

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 1

REFERENCE						ONI-7000#1											TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
39.484	74.634		-2.46	-.11	1.36	60	14		10	10	-8	2.57		2.45	2.90	.85		-2.89	-.55	
39.522	74.671		-2.09	-.28	.96	58	15		11	9	-8	2.75		1.80	2.90	1.25		-2.15	-.29	
39.542	74.600		-.62	.37	.63	58	15		12	10	-7	3.20		1.60	2.57	1.25		-1.45	.02	
39.551	74.513		-1.88	-.38	.70	59	14		11	9	-9	3.20		1.70	2.50	1.10		-1.61	-.51	
39.559	74.424		-2.18	-.80	.46	59	14		11	9	-8	3.00		1.90	2.50	1.10		-1.90	-.82	
39.567	74.334		-1.83	-.61	.63	60	13		12	9	-9	2.70		1.90	2.50	1.00		-1.57	-.83	
39.576	74.239		-1.36	-.70	.67	60	12		11	8	-10	2.50		1.90	2.50	.70		-1.63	-.66	
39.588	74.143		-1.38	-1.18	.54	59	14		13	9	-9	2.50		1.96	2.50	.58		-1.74	-1.10	
39.602	74.041		-2.02	-1.68	.34	58	15		14	10	-8	2.63		1.90	2.50	.65		-1.66	-1.56	
39.644	73.958		-.68	-1.53	.79	59	15		14	9	-10	2.35		1.90	2.50	.65		-1.79	-1.61	
39.682	73.859		-1.79	-.97	.96	59	15		14	9	-10	3.00		1.90	2.50	.75		-1.50	-1.05	
39.722	73.750		-1.26	-1.26	.70	59	15		14	9	-10	3.20		1.90	2.50	.70		-1.36	-1.14	
39.763	73.640		-1.21	-1.64	.54	59	16		15	9	-10	3.10		1.90	2.50	.22		-1.32	-1.36	
39.827	73.552		-1.31	-1.70	.60	58	16		16	9	-9	2.57		2.05	2.50	.50		-1.26	-1.32	
39.906	73.462		-1.59	-1.44	1.30	59	15		15	8	-9	2.63		2.00	2.50	.55		-1.37	-1.50	
39.965	73.396		-1.58	-1.42	.77	59	15		15	8	-9	2.90		2.10	2.20	-.15		-1.38	-1.75	
40.035	73.315		-1.33	-1.27	.74	60	15		16	7	-9	2.90		1.90	2.20	.27		-1.10	-1.53	
40.105	73.237		-1.41	-1.23	.67	60	14		15	6	-9	2.90		1.90	2.15	.03		-1.21	-1.39	
40.176	73.160		-.80	-1.28	.61	60	15		16	7	-9	2.90		1.90	2.10	-.30		-1.36	-1.52	
40.246	73.081		-.37	-1.27		60	14		16	6		2.90		1.90	2.10			-1.36	-1.69	
40.318	73.006	2.28	-1.07	-2.31		62	12	-11	14	3		2.90	-1.10	1.90	2.05			-1.45	-1.94	
40.391	72.932	1.69	-1.58	-1.48		62	12	-11	15	3		2.77	-.60	2.00	1.90			-1.33	-1.64	
40.463	72.857	2.59	-.67	-1.45		61	13	-10	16	4		2.90	.13	2.10	1.90			-1.27	-1.65	
40.534	72.782	1.66	-1.29	-1.04		61	13	-10	17	3		2.90	-.03	2.10	1.90			-1.14	-.71	
40.607	72.706	2.19	-.98	-.09		64	10	-12	14	0		2.90	-.18	1.90	1.90			-.72	-.24	
40.677	72.631	1.57	-.99	-.38		64	9	-12	14	-0		2.90	.50	2.14	2.08			-.64	-.00	
40.743	72.546	1.32	-.88	.28		64	8	-12	15	0		2.77	.70	1.95	2.15			-.53	-.03	
40.810	72.457	1.45	-.79	-.01		64	7	-12	15	-1		2.25	.75	2.15	2.00			-.52	-.07	
40.874	72.369	1.37	-.46	.31		65	7	-13	15	-2		2.50	.90	2.20	1.95			-.40	.12	
40.933	72.268	1.75	.46	.20		64	8	-11	16	-1		2.90	.90	1.95	2.20			.00	-.14	
40.985	72.161	2.10	-.61	-.26		65	7	-11	15	-2		2.90	1.15	1.95	2.20			-.22	-.39	
41.036	72.056	2.26	-.71	-.27		65	6	-10	16	-2		2.57	1.15	2.15	2.20			-1.35	-.60	
41.097	71.933	1.28	-2.44	-.87		65	6	-10	17	-3		2.25	1.30	2.20	2.05			-1.88	-.98	
41.159	71.876	-.48	-2.43	-.82		66	4	-11	16	-5		1.95	1.40	2.50	2.10			-2.22	-.97	
41.235	71.812	-.15	-1.82	-.71		66	3	-11	17	-5		1.90	1.50	2.25	2.20			-1.74	-.92	
41.312	71.749	.78	-.74	-.49		66	1	-11	17	-5		1.50	1.00	2.20	2.15			-1.32	-.78	
41.390	71.695	.67	-1.56	-.65		66	1	-11	17	-5		1.60	1.00	2.35	2.05			-1.44	-.92	
41.468	71.640	-.27	-1.38	-.71		66	1	-10	17	-6		1.60	1.40	2.20	2.05			-1.53	-.91	
41.546	71.585	.42	-.99	-.87		67	-0	-10	16	-9		2.00	1.50	2.15	2.10			-1.02	-.79	
41.615	71.503	.53	-.78	-.97		68	-1	-10	16	-10		2.15	1.65	2.00	1.85			-.87	-.89	
41.688	71.433	.89	-.80	-.59		69	-2	-10	14	-11		1.85	1.60	2.25	1.60			-.74	-.81	
41.750	71.339	1.15	-.31	-.54		67	-1	-8	15	-10		2.00	1.65	1.60	1.60			-.71	-.69	
41.812	71.244	.92	-.84	-.97		66	0	-6	16	-8		1.60	1.42	1.78	1.60			-.87	-.89	
41.875	71.154	.03	-.93	-.82		66	0	-5	16	-8		1.60	1.50	1.65	1.80			-.94	-.87	
41.938	71.062	1.43	-.82	-.91		66	0	-4	17	-9		1.60	1.60	1.90	2.15			-.98	-.97	
42.005	70.975	-.36	-1.44	-1.17		66	-0	-4	16	-9		1.40	1.75	2.00	2.20			-1.13	-1.23	
42.081	70.911	.02	-1.07	-1.10		65	1	-2	17	-8		1.35	1.90	2.20	2.05			-1.00	-1.24	
42.157	70:846	-.12	-1.53	-1.03		65	1	-2	18	-8		1.70	1.90	1.90	1.75			-1.50	-1.17	
42.233	70.780	1.02	-1.38	-1.07		67	-0	-3	17	-11		1.90	2.15	2.05	1.80			-1.69	-1.15	

Certain anomalies in the data are apparent and indicated in the tables in the appendix by the following alphabetical identifiers:

a. Cycle slip.

b. Being close to a transmitter caused an apparent increase in atmospheric noise which resulted in low SNR readings.

c. ONI receiver deselected station in favor of another station.

d. High atmospheric noise caused by flying near a storm or clouds resulting in very low SNR readings.

e. ONI receiver deselected chain because it was out of range.

f. Receiver acquired wrong cycle at start.

g. Receivers unlocked due to flying in a storm.

h. Outside United States Coast Guard (USCG) predicted coverage.

i. Close to baseline extension.

j. Lost ATADS.

k. Receivers turned off to recycle.

m. Suspected ATADS error.

CONCLUSIONS

The time difference (TD) biases presented in the appendix can be used as a first estimate of the additional secondary factor (ASF) until a better data base is obtained from a fixed base monitor. The ASF is the delta TD correction that will be necessary for nonprecision approaches. The data indicates the range of delta (TD) correction of ± 9.9 microseconds, as specified in the Radio Technical Commission for Aeronautics (RTCA) Minimum Operational Performance Standards (MOPS) (Related Documents No. 7), will be adequate over the United States.

The delta TD data is presented for a single season. The other seasonal reports (Related Documents Nos. 14 and 15) identify the areas where a single delta TD correction is adequate.

APPENDIX

WINTER STABILITY TABULAR DATA

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 1

PEFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

Entire segment-h

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 2

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.526	87.579					50		-10					-3.40							
46.528	87.689					52		-13					-3.10							
46.533	87.798					52		-12					-3.10							
46.537	87.908					52		-13					-3.10							
46.542	88.017					52		-13					-3.15							
46.547	88.127					52		-13					-3.15							
46.552	88.237					52		-13					-3.20							
46.556	88.346					52		-13					-3.20							
46.555	88.456					52		-13					-3.40							
46.554	88.564					52		-13					-3.40							
46.554	88.673					51		-12					-3.40							
46.552	88.782					52		-13					-3.40							
46.543	88.889					52		-13					-3.40							
46.535	88.997					52		-13					-3.40							
46.527	89.104					51		-13					-3.40							
46.519	89.212					53		-14					-3.25							
46.512	89.319					52		-13					-3.10							
46.515	89.426					51		-12					-3.10							
46.521	89.535					52		-13					-3.10							
46.526	89.643					51		-12					-3.10							
46.529	89.751					51		-12					-3.10							
46.533	89.859					51		-12					-3.10							
46.537	89.969					51		-13					-3.10							
46.540	90.071					52		-13					-2.90							
46.546	90.179					51		-12					-2.80							
46.551	90.287					51		-12					-2.80							
46.560	90.396					51		-12					-2.80							
46.577	90.502					52		-13					-2.75							
46.594	90.606					51		-11					-2.70							
46.610	90.714					51		-11					-2.56							
46.632	90.819					71 d		-35 d					-2.50							
46.648	90.926					73		-32					-2.65							
46.658	91.034					66		-26					-2.80							
46.666	91.142					60		-21					-2.80							
46.678	91.243					55		-17					-2.80							
46.690	91.346					54		-15					-2.70							
46.695	91.449					53		-15					-2.50							
46.705	91.550					53		-16					-2.50							
46.728	91.644					54		-16					-2.50							
46.758	91.735					54		-15					-2.50							
46.789	91.814					54		-15					-2.63							
46.820	91.882					54		-15					-2.80							
46.838	91.947					54		-15					-2.80							
46.833	91.987					54		-14					-2.80							
46.834	92.038					54		-14					-2.80							
46.835	92.088					53		-12					-2.75							

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 3

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.848	92.291	-.97				46	-10	-5				-.70	-.50							
46.862	92.365	-1.12				47	-11	-6				-.85	-.65							
46.880	92.434	-1.20				46	-10	-4				-.65	-.30							
46.902	92.506	-1.04				46	-10	-5				-.35	-.30							
46.925	92.581	-1.36				43	-7	-2				-.25	-.50							
46.946	92.657	-1.35				44	-8	-2				-.05	-.25							
46.968	92.730	-1.11				44	-8	-2				-.10	-.35							
46.986	92.820	-1.07				45	-9	-3				-.20	-.60							
47.002	92.929	-.98				45	-9	-3				-.10	-.40							
47.021	93.033	-1.01				46	-10	-4				-.10	-.25							
47.052	93.135	-1.18				44	-8	-2				-.25	-.20							
47.084	93.230	-1.12				46	-10	-4				0.00	-.30							
47.118	93.339	-1.36				46	-10	-4				0.00	-.35							
47.153	93.441	-1.11				46	-10	-4				.07	-.20							
47.188	93.541	-1.22				45	-9	-3				0.00	-.15							
47.221	93.640	-1.41				45	-10	-3				0.00	.02							
47.255	93.730	-1.10				45	-9	-3				.27	.07							
47.287	93.834	-1.30				44	-8	-3				.27	-.10							
47.313	93.933	-1.15				45	-10	-4				.33	-.15							
47.339	94.031	-1.11				46	-11	-5				.20	-.55							
47.363	94.131	-1.21				45	-10	-4				-.15	-.75							
47.377	94.230	-1.11				47	-12	-6				0.00	-.80							
47.392	94.329	-.83				48	-13	-7				-.10	-.75							
47.410	94.428	-1.13				48	-13	-7				-.10	-.85							
47.432	94.527	-.98				48	-13	-7				0.00	-.60							
47.459	94.626	-1.08				49	-14	-8				-.35	-1.15							
47.487	94.724	-.93				48	-13	-8				-.30	-1.15							
47.518	94.840	-.99				49	-15	-9				-.20	-.70							
47.541	94.923	-1.39				49	-15	-10				0.00	-.45							
47.563	95.025																			
47.579	95.129																			

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 4

REFERENCE		ONI-7000#1															TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 5

REFERENCE						ONI-700081												TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.668	94.424					55		-4					1.69							
43.680	94.268					55		-4					1.95							
43.689	94.133					55		-5					2.00							
43.701	94.000					55		-5					2.20							
43.711	93.869					55		-4					2.50							
43.717	93.709					54		-3					2.50							
43.723	93.571	-.96				54		-4					2.50							
43.729	93.411	-1.11				54	-8	-3				5.00	2.50							
43.734	93.300	-.71				55	-9	-4				5.00	2.57							
43.745	93.143	-.95				55	-9	-4				5.00	2.50							
43.756	93.009	-1.25				55	-9	-4				5.00	2.50							
43.766	92.855	-1.07				54	-8	-3				5.00	2.50							
43.778	92.701	-.67				54	-8	-3				5.00	2.50							
43.786	92.566	-.80				55	-9	-4				5.00	2.50							
43.769	92.435	-.43				55	-9	-4				5.00	2.50							
43.744	92.282	-.93				54	-8	-3				5.00	2.50							
43.716	92.152	-.99				55	-9	-4				5.00	2.50							
43.697	92.046	-.71				54	-8	-3				4.80	2.57							
43.668	91.896	-.69				55	-9	-4				4.75	2.50							
43.643	91.769	-.66				55	-9	-4				4.70	2.50							
43.618	91.637	-.68				56	-10	-6				4.70	2.50							
43.595	91.510	-.61				55	-9	-5				4.70	2.50							
43.570	91.377	-.81				56	-10	-7				4.70	2.50							
43.543	91.233	-.70				56	-10	-7				4.70	2.50							
43.515	91.104	-.90				55	-9	-6				4.70	2.50							
43.489	90.978	-.94				55	-9	-6				4.66	2.50							
43.459	90.830	-.81				54	-8	-5				4.60	2.50							
43.439	90.725	-.82				55	-8	-6				4.40	2.50							
43.412	90.598	-.81				55	-8	-6				4.40	2.50							
43.380	90.449	-.74				56	-9	-6				4.40	2.25							
43.359	90.342	-.54				55	-8	-5				4.40	2.30							
43.327	90.198	-.81				56	-9	-6				4.40	2.20							
43.304	90.094	-.67				56	-9	-6				4.40	2.20							
43.277	89.945	-.90				56	-9	-6				4.27	2.20							
43.254	89.816	-1.14				56	-8	-6				4.15	2.15							
43.224	89.670	-.94				57	-9	-7				4.10	1.90							
43.202	89.543	-.65				55	-7	-4				4.10	1.90							
43.180	89.416	-1.17				55	-7	-5				4.10	1.80							
43.159	89.289	-1.15				55	-8	-5				3.90	1.70							
43.151	89.180	-1.62				55	-8	-5				3.80	1.60							
43.140	89.027	-1.30				55	-8	-5				4.00	1.55							
43.130	88.897	-1.64				57	-10	-7				3.80	1.15							
43.127	88.746	-1.75				57	-10	-8				3.80	1.10							
43.125	88.612	-1.87				58	-11	-9				3.54	1.00							
43.122	88.482	-1.46				58	-11	-9				3.50	1.20							
43.120	88.352	-1.24				59	-12	-10				3.50	1.30							
43.119	88.200	-1.43				59	-12	-9				3.50	1.39							
43.123	88.046	-1.55				58	-11	-8				3.50	1.30							
43.129	87,916	-1.68				58	-11	-8				3.50	1.30							

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 5

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.132	87.807	-1.62				59	-12	-9				3.50	1.35							
43.136	87.655	-1.53				58	-11	-8				3.50	1.55							
43.140	87.525	-1.34				57	-10	-7				3.50	1.60							
43.146	87.373	-1.59				57	-10	-7				3.60	1.60							
43.151	87.243	-1.56				58	-11	-7				3.50	1.60							
43.155	87.137	-1.50				57	-10	-7				3.50	1.60							
43.160	87.008	-1.49				58	-10	-8				3.50	1.60							
43.165	86.879	-1.49				58	-10	-8				3.50	1.60							
43.172	86.748	-1.53				58	-10	-8				3.50	1.60							
43.181	86.596	-1.22				58	-10	-8				3.50	1.60							
43.184	86.446	-1.41				59	-11	-10				3.50	1.60							
43.184	86.318					58		-9					1.60							
43.184	86.189					58		-9					1.60							
43.186	86.062					58		-9					1.60							
43.189	85.937					57		-8			-8		1.64			.70				
43.214	85.790					58		-8			-9		1.90			1.40				
43.235	85.663					57		-8			-9		1.90			1.60				
43.257	85.514					56		-7			-8		1.90			1.50				
43.278	85.387					56		-7					1.90							
43.297	85.255					57		-9					2.16							
43.323	85.108					58		-10					2.20							
43.343	85.002					59		-11					2.30							
43.372	84.859					59		-11					2.50							
43.401	84.733					58		-10					2.50							
43.425	84.592					56		-10					2.50							
43.417	84.477					58		-11			-8		2.50			1.15				
43.415	84.367					58		-11			-8		2.50			.56				
43.412	84.251					58		-11			-8		2.90			.10				
43.464	84.178					58		-10			-8		3.15			-.07				

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 6

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
40.570	79.419					56					5					.40				
40.486	79.393				-2.31	55	-8				6	-1.80				.90				
40.404	79.364				-2.41	55	-10				6	-1.60				1.25				
40.321	79.344				-2.85	54	-9				7	-1.68				1.24				
40.238	79.348				-2.78	56	-10				5	-1.40				1.05				
40.158	79.353				-2.64	55	-9				6	-1.15				1.00				
40.074	79.353				-2.41	54	-9				7	-1.20				1.05				
39.991	79.348				-2.36	53	-8				9	-1.10				1.25				
39.920	79.376				-2.80	54	-9				7	-1.30				1.30				
39.869	79.441				-2.56	55	-10				7	-1.35				1.25				
39.824	79.512				-2.52	56	-10				6	-1.50				1.30				
39.780	79.584				-2.70	55	-9				7	-1.50				1.20				
39.730	79.654				-3.11	54	-7				8	-1.50				.80				
39.673	79.718				-2.92	53	-6				9	-1.25				.80				
39.616	79.779				-2.80	56	-8				6	-1.40				.70				
39.559	79.839				-2.51	53	-6				9	-1.40				.70				
39.489	79.875				-2.28	54	-6				8	-1.25				.50				
39.404	79.878				-2.33	54	-6				9	-1.45				.70				
39.322	79.891				-2.66	54	-6				9	-1.30				1.00				
39.244	79.921				-2.78	53	-5				10	-1.40				1.10				
39.175	79.968				-2.71	53	-5				11	-1.45				1.30				
39.109	80.019				-2.74	52	-5				12	-1.44				1.30				
39.041	80.057				-2.69	53	-5				11	-1.35				1.15				
38.964	80.079				-2.61	52	-4				12	-1.65				1.00				
38.898	80.110				-2.51	53	-5				10	-1.50				1.20				
38.902	80.184				-2.25	53	-5				11	-1.55				1.20				
38.900	80.268				-2.89	54	-6				10	-1.60				.80				
38.900	80.350				-2.95	53	-5				11	-1.75				1.05				
38.899	80.433				-2.80	54	-6				10	-1.65				1.00				
38.893	80.513				-2.79	52	-3				12	-1.50				.80				
38.887	80.599				-2.60	54	-5				10	-1.75				.80				
38.880	80.680				-2.90	54	-5				10	-1.50				.95				
38.873	80.764				-2.73	54	-6				10	-1.55				1.30				
38.865	80.847				-3.00	54	-6				10	-1.50				1.30				
38.856	80.931				-2.89	55	-7				10	-1.50				1.30				
38.845	81.013				-2.92	54	-6				10	-1.65				1.25				
38.829	81.096				-3.03	54	-6				9	-1.80				1.25				
38.821	81.180				-2.74	55	-6				9	-1.80				1.30				
38.814	81.264				-3.02	55	-6				9	-1.75				1.30				
38.811	81.349				-2.66	54	-5				10	-1.68				1.30				
38.814	81.434				-2.87	54	-4				9	-1.65				1.30				
38.814	81.520				-2.90	53	-3				10	-1.50				1.00				
38.798	81.605				-2.54	55	-4				8	-1.32				.88				
38.780	81.689				-2.69	54	-3				10	-1.15				1.30				
38.766	81.774				-2.96	54	-3				9	-.85				1.30				
38.761	81.860				-2.75	55	-3				8	-.65				1.35				
38.758	81.947				-2.48	54	-2				9	-.30				1.30				
38.754	82.033				-2.52	54	-2				9	-.50				1.30				
38.749	82.120				-2.89	55	-3				8	-.30				1.25				

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 6

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.731	82.206				-2.85	54	-2				9	-.30				1.25				
38.714	82.290				-2.48	54	-1				9	-.35				1.30				
38.703	82.376				-2.21	54	-1				9	-.40				1.20				
38.701	82.463				-2.30	55	-2				7	-.10				1.25				
38.703	82.552				-2.24	55	-1				7	-.30				1.30				
38.703	82.640				-1.83	57	-3				6	-.50				1.30				
38.684	82.723				-2.50	55	-1				7	-.30				.85				
38.659	82.807				-1.54	55	-1				7	-.03				1.00				
38.641	82.893				-1.32	53	1				9	0.00				1.06				
38.636	82.980				-1.79	53	1				8	.13				1.00				
38.635	83.067				-1.76	53	2				8	0.00				.75				
38.637	83.153				-2.11	53	2				8	.27				1.00				
38.644	83.239				-2.23	53	2				8	.65				1.20				
38.649	83.326				-1.93	55	2				6	.45				1.10				
38.646	83.415				-1.93	55	1				5	.27				1.00				
38.636	83.503				-1.47	55	2				6	.33				.80				
38.629	83.590				-1.18	54	3				6	.55				1.00				
38.627	83.677				-1.45	56	2				4	.85				.95				
38.630	83.765				-1.51	54	4				6	1.10				1.10				
38.634	83.852				-1.74	54	4				6	1.00				1.30				
38.639	83.938				-.98	54	5				6	1.00				1.15				
38.644	84.026				-1.22	54	5				5	1.10				1.20				
38.649	84.115				-1.04	55	4				4	1.00				1.25				
38.647	84.205				-1.08	56	3				3	1.05				1.00				
38.641	84.293				-.72	56	3				3	1.15				.95				
38.642	84.384				-1.13	55	5				4	1.30				1.00				
38.645	84.480				-.70	56	4				3	1.30				.85				
38.646	84.570				-.43	57	3				2	1.30				.85				
38.644	84.666				-.03	57	3				2	1.30				1.00				
38.642	84.757				-.10	57	4				1	1.30				1.00				
38.630	84.848				-.05	55	6				3	1.30				1.00				
38.616	84.938				-.20	55	6				3	1.30				1.10				
38.605	85.029				-.13	56	5				2	1.45				1.20				
38.600	85.120				-.31	54	7				4	1.60				1.00				
38.598	85.211				-.85	55	7				3	1.45				.85				
38.598	85.302				-.79	54	7				3	1.30				.95				
38.598	85.392				-.16	54	7				3	1.40				.75				
38.593	85.483				-.26	54	7				3	1.35				.70				
38.584	85.571				-.14	55	6				2	1.60				.60				
38.570	85.658				-.52	55	7				2	1.40				.60				
38.543	85.740				-.79	56	5				0	1.30				.65				
38.517	85.822				-.08	57	4				-1	1.40				.45				
38.496	85.905				-.46	57	4				-1	1.60				.40				
38.476	85.987				-.10	56	5				0	1.50				.33				
38.457	86.069				-.44	56	5				-0	1.60				.33				
38.435	86.152				-.45	55	6				1	1.30				.40				
38.414	86.233				-.41	54	7				2	1.30				.20				
38.390	86.313				-1.03	55	6				1	1.15				.50				
38.367	86.394				-1.02	56	5				-1	1.20				.45				

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 6

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.343	86.474	.13			-1.50	55	6				-0	1.30				.70				
38.302	86.608	.26				58	3	4				1.30	1.45							
38.277	86.685	.07				57	4	5				1.30	1.65							
38.252	86.765	.39				57	4	6				1.30	1.85							
38.227	86.845	.15				58	4	5				1.35	2.00							
38.203	86.924	.21				58	4	6				1.25	1.95							
38.176	87.003	.44				58	5	7				1.20	2.10							
38.152	87.081	.44				56	6	8				1.35	2.20							
38.126	87.160	.50				58	4	6				1.55	2.20							
38.100	87.238	.56				56	6	7				1.60	1.90							
38.076	87.317	.61				58	5	5				1.60	1.60							
38.050	87.394	.48				58	6	6				1.60	1.30							
38.020	87.471	.60				57	6	7				1.40	1.40							
37.984	87.546	.27				55	8	8				1.55	1.70							
37.958	87.621	.46				57	6	7				1.80	2.10							
37.935	87.701	.31				58	5	6				1.75	2.20							
37.925	87.780	.21				58	5	6				2.00	2.25							
37.931	87.875	.14				57	6	7				1.90	2.15							
37.940	87.953	.34				59	4	5				1.60	1.70							
37.951	88.037	.12				57	6	6				1.80	1.60							
37.962	88.116	-.14				56	7	7				1.65	1.60							
37.970	88.199	-.03				58	5	5				1.60	1.65							
37.977	88.281	.52				59	4	5				1.60	1.65							
37.985	88.363	-.17				58	4	6				1.55	1.60							
37.992	88.445	-.25				58	4	6				1.60	1.45							
38.001	88.527	.02				57	5	7				1.60	1.45							
38.009	88.608	-.38				59	3	5				1.70	1.75							
38.018	88.691	-.69				57	4	6				2.15	2.00							
38.027	88.773	-.63				59	2	5				1.90	2.20							
38.037	88.854	-.89				61	0	3				1.78	2.20							
38.043	88.933	-.85				59	1	5				1.60	2.20							
38.052	89.011	-.41				58	2	6				1.60	2.20							
38.058	89.094	-.45				58	2	6				1.60	2.20							
38.061	89.180	-.26				57	3	8				1.70	2.30							
38.063	89.267	-.66				58	2	7				1.60	2.50							
38.066	89.349	-.75				58	3	7				1.70	2.50							
38.069	89.433	-.82				57	4	8				1.85	2.50							
38.069	89.515	-.67				57	4	8				1.75	2.50							
38.069	89.594	-1.01				56	5	9				2.15	2.50							
38.067	89.680	-.80				55	6	10				2.10	2.50							
38.080	89.756	-.72				57	4	8				2.20	2.57							
38.102	89.825	-1.06				56	5	10				2.20	2.57							
38.133	89.891	-1.04				57	4	8				2.20	2.70							
38.178	89.947	-.65				57	3	7				2.00	2.50							
38.228	89.996	-.72				55	5	9				2.00	2.50							
38.278	90.038	-.85				55	5	9				2.05	2.50							
38.341	90.046	-.86				55	5	9				1.90	2.57							
38.405	90.047	-.78				55	5	9				1.70	2.50							
38.466	90.043	-1.06				56	4	8				1.80	2.50							

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 6

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.530	90.053	-1.19				54	6	10				1.90	2.50							
38.587	90.072	-.99				57	2	7				1.85	2.30							
38.625	90.121	-.65				55	4	8				1.65	2.20							
38.646	90.169	-.79				54	5	9				1.60	2.20							
38.669	90.212	-.59				55	4	9				1.60	2.25							
38.692	90.257	-.71				55	5	8				1.70	2.25							
38.711	90.291	-.60				54	6	9				1.60	2.20							

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 7

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.762	90.314	-.92				57	1	4				2.83	3.05							
38.786	90.260	-1.18				56	3	6				2.57	2.77							
38.830	90.224	-.83				56	3	6				2.90	3.20							
38.891	90.249	-.68				55	4	7				3.20	3.20							
38.954	90.269	-.65				55	3	7				2.95	2.83							
39.003	90.314	-.47				55	3	7				2.63	2.50							
39.051	90.354	-.64				55	3	7				2.50	2.50							
39.097	90.390	-.54				55	4	7				2.50	2.57							
39.144	90.418	-.62				57	1	4				2.50	2.83							
39.193	90.440	-.58				54	4	7				2.35	2.90							
39.243	90.462	-.53				53	4	8				2.50	2.70							
39.295	90.486	-.26				55	2	6				2.45	2.45							
39.315	90.547	.13				54	3	7				2.00	2.20							
39.328	90.624	.18				54	3	7				2.15	2.50							
39.340	90.701	-.05				53	4	8				1.95	2.35							
39.355	90.779	.20				53	5	9				2.20	2.50							
39.376	90.853	-.09				54	3	6				2.35	2.70							
39.420	90.911	-.08				54	3	6				2.50	2.83							
39.465	90.971	-.21				53	4	7				2.45	2.57							
39.515	91.023	-.32				53	4	7				2.50	2.35							
39.570	91.069	-.29				53	4	7				2.45	2.20							
39.625	91.114	-.32				52	4	7				2.20	2.15							
39.689	91.170	-.25				52	4	7				2.20	1.90							
39.745	91.214	-.32				53	4	7				2.20	1.90							
39.799	91.261	-.24				52	4	7				2.10	1.90							
39.839	91.324	.09				53	2	5				1.75	1.70							
39.854	91.401	-.75				53	2	6				1.75	1.90							
39.872	91.485	-.75				53	3	7				1.90	2.20							
39.890	91.568	-.62				52	3	7				1.75	2.20							
39.908	91.650	-.60				51	4	9				1.55	2.20							
39.925	91.734	-.71				52	2	8				1.45	2.35							
39.943	91.817	-.66				53	2	7				1.40	2.35							
39.961	91.902	-.59				54	1	6				1.60	2.35							
39.979	91.986	-.85				53	1	7				1.55	2.50							
39.999	92.070	-.84				53	2	7				1.60	2.50							
40.018	92.155	-.64				52	3	8				1.90	2.50							
40.038	92.240	-.82				52	3	8				1.90	2.50							
40.061	92.326	-.58				51	3	9				1.80	2.50							
40.089	92.407	-.61				52	2	8				1.60	2.50							
40.116	92.488	-.71				50	4	9				1.55	2.40							
40.144	92.569	-.78				50	4	10				1.50	2.20							
40.173	92.652	-.68				51	2	8				1.35	2.20							
40.200	92.736	-.71				52	1	7				1.55	2.20							
40.226	92.820	-.76				51	3	9				1.45	2.20							
40.253	92.904	-.91				52	1	7				1.25	2.20							
40.280	92.987	-.83				52	1	7				1.15	2.20							
40.308	93.071	-.84				51	3	8				1.05	2.20							
40.335	93.154	-.76				50	3	8				1.25	2.20							
40.361	93.238	-.93				51	1	7				1.00	2.40							

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 7

REFERENCE						ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
40.386	93.322	-.74				50	2	8				.80	2.25							
40.410	93.404	-.65				50	2	8				.95	2.20							
40.434	93.488	-.75				51	1	7				1.00	2.20							
40.458	93.573	-.72				52	1	7				1.20	2.20							
40.485	93.655	-.74				52	-0	6				1.10	2.20							
40.513	93.738	-.75				50	2	8				1.00	2.20							
40.541	93.820	-.74				49	3	9				1.30	1.90							
40.570	93.901	-.85				49	2	8				1.35	1.90							
40.597	93.983	-.91				50	3	8				1.15	1.90							
40.623	94.070	-.77				50	3	8				1.05	1.75							
40.647	94.152	-.92				51	1	6				1.25	1.90							
40.671	94.236	-.87				52	-1	6				1.20	1.90							
40.695	94.319	-.87				48	3	9				1.25	1.90							
40.723	94.400	-.90				49	3	8				1.30	2.00							
40.755	94.479	-.98				50	2	8				1.30	2.00							
40.787	94.558	-1.02				49	2	8				1.30	1.90							
40.818	94.636	-1.02				50	1	7				1.30	1.90							
40.853	94.718	-.90				49	2	8				1.30	1.60							
40.881	94.800	-.72				49	2	8				1.25	1.45							
40.909	94.884	-.67				49	1	7				1.35	1.55							
40.937	94.967	-.81				48	2	8				1.50	1.45							
40.968	95.066	-.86				49	1	7				1.55	1.60							
40.987	95.137	-.93				49	2	8				1.50	1.60							
41.013	95.221	-.93				48	2	8				1.50	1.75							
41.034	95.306	-.88				48	2	8				1.15	1.60							
41.058	95.392	-.91				48	1	8				1.30	1.60							
41.086	95.479	-.98				48	1	8				.95	1.60							
41.111	95.563	-1.04				49	0	7				1.00	1.65							
41.136	95.649	-.90				48	1	8				1.10	1.60							
41.163	95.734	-.89				48	-0	8				1.30	1.80							
41.171	95.822	-.94				48	0	7				1.25	1.45							
41.162	95.912	-.67				48	-0	7				1.05	1.55							
41.160	96.004	-.91				47	1	8				1.10	1.60							
41.157	96.095	-.96				47	1	8				1.05	1.60							
41.154	96.188	-.89				47	1	8				1.35	1.60							
41.153	96.281	-.81				48	0	7				1.55	1.65							
41.149	96.374	-.79				48	-1	7				1.60	1.60							
41.140	96.467	-.92				47	0	8				1.55	1.55							
41.131	96.561	-.70				49	-2	7				1.40	1.60							
41.122	96.655	-.56				48	-1	6				1.00	1.60							
41.110	96.748	-.70				48	-1	6				.95	1.40							
41.099	96.840	-.60				48	-1	6				1.15	1.40							
41.087	96.933	-.73				48	-1	6				1.25	1.60							
41.075	97.024	-.64				48	-1	6				1.40	1.60							
41.064	97.116	-.66				49	-2	5				1.30	1.60							
41.053	97.209	-.50				48	-1	6				1.10	1.60							
41.040	97.314	-.55				48	-1	7				1.10	1.60							
41.034	97.391	-.51				46	1	8				1.10	1.60							
41.023	97.498	-.36				47	-0	7				1.55	1.60							

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 7

REFERENCE							ONI-7000#1											TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.016	97.591	-.36				47	-0	7				1.60	1.55							
41.012	97.684	-.35				47	-0	7				1.40	1.60							
41.008	97.776	-.44				46	1	8				1.50	1.55							
41.005	97.870	-.38				47	1	8				1.60	1.45							
41.002	97.961	-.55				46	1	8				1.50	1.45							
41.000	98.054	-.57				47	0	7				1.25	1.60							
41.000	98.146	-.52				46	0	7				1.65	1.60							
40.999	98.237	-.51				47	-1	6				1.90	1.55							
40.987	98.330	-.47				47	-1	6				1.85	1.15							
40.975	98.418	-.49	-1.66			46	1	8				1.60	1.30							
40.971	98.506	-.57	-1.72			46	-0	7	-0			1.60	1.50	1.25						
40.976	98.591	-.47	-1.50			45	1	8	1			1.55	1.60	.65						
40.981	98.681	-.59	-1.64			46	-0	7	0			1.60	1.60	1.15						
40.988	98.771	-.58	-1.82			45	0	8	1			1.60	1.65	1.10						
40.995	98.862	-.55	-1.76			46	-1	7	-1			1.30	1.60	.80						
40.996	98.950	-.74	-1.85			45	-1	7	0			.90	1.30	.80						
40.997	99.041	-.53	-1.33			45	-1	7	-0			.75	.90	.15						
40.998	99.131	-.60	-1.61			45	-1	8	1			.80	.85	-.25						
40.998	99.223	-.67	-1.80			43	1	9	2			.52	.40	.32						
40.999	99.315	-.54	-1.82			44	-0	8	1			.65	.95	.32						
41.003	99.407	-.66	-1.82			45	-1	7	0			.85	.90	-.08						
41.005	99.500	-.59	-1.65			45	-1	7	1			.55	.50	-.03						
41.009	99.594	-.63	-1.60			46	-2	6	-1			.55	.60	.45						
41.012	99.686	-.68	-1.72			46	-2	5	-1			.33	.33	.03						
41.015	99.779	-.90	-2.00			46	-2	5	-1			.08	.45	.33						
41.018	99.871	-.77	-1.99			46	-2	5	-1			.13	.60	.20						
41.022	99.964	-.78	-1.55			45	-2	6	-1			.50	.50	.40						
41.028	100.056	-.76	-1.73			45	-2	6	-1			.90	.60	.75						
41.031	100.149	-.81	-1.80			46	-3	6	-1			.70	.55	1.00						
41.034	100.242	-.85	-1.86			46	-3	6	-1			.70	.70	.70						
41.033	100.334	-.75	-1.56			45	-2	6	-1			.60	.80	.55						
41.035	100.427	-.78	-1.43			45	-2	6	-1			.27	1.10	.22						
41.034	100.519	-.77	-1.75			45	-3	6	-1			.07	.95	-.05						
41.039	100.611	-.65	-1.47			45	-3	5	-1			.33	.85	-.15						
41.044	100.704	-.84	-1.54			45	-3	5	-1			.38	.95	.02						
41.049	100.794	-.82	-1.77			45	-3	6	-1			.85	.90	.33						
41.056	100.887	-.76	-1.47			45	-3	5	-1			.50	.65	.55						
41.060	100.978	-.87	-1.70			45	-4	5	-1			.46	.70	.64						
41.067	101.069	-.78	-1.75			44	-3	6	-0			.50	.55	.70						
41.069	101.162	-.87	-1.76			44	-3	6	-0			.60	.95	.40						
41.072	101.254	-.89	-1.86			45	-4	5	-1			.55	.90	-.25						
41.073	101.346	-.86	-1.69			45	-4	4	-1			.40	.70	-.75						
41.074	101.438	-.87	-1.66			44	-3	6	-0			.13	.27	-.30						
41.072	101.529	-.87	-1.57			45	-4	5	-1			.13	.65	.43						
41.073	101.619	-.78	-1.44			45	-4	5	-1			.40	.75	.65						
41.072	101.707	-.75	-1.28			44	-3	5	-0			.20	1.15	.70						
41.073	101.796	-.70	-.99			44	-4	5	0			.27	1.25	.65						
41.076	101.886	-.79	-1.40			45	-5	4	-1			.50	.70	.50						
41.075	101,972	-.69	-1.42			45	-5	4	-1			.40	.75	.65						

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 7

REFERENCE								ONI-7000#1									TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.076	102.059	-.73	-1.44			44	-4	5	0			.33	1.25	.03						
41.076	102.146	-.76	-1.47			44	-4	5	-1			.65	1.40	.27						
41.077	102.232	-.70	-1.32			44	-4	5	-1			.90	1.30	.50						
41.075	102.316	-.70	-1.52			45	-6	5	-2			1.00	1.10	.55						
41.076	102.408	-.71	-1.28			44	-5	5	-1			1.00	1.00	.65						
41.077	102.497	-.58	-1.02			44	-5	4	-1			.90	1.20	.63						
41.079	102.583	-.87	-1.52			44	-5	4	-1			.90	1.10	.80						
41.082	102.671	-.70	-1.12			43	-4	5	-0			1.00	.94	.70						
41.086	102.758	-.85	-1.75			44	-5	4	-0			1.00	1.30	.43						
41.091	102.848	-.83	-1.62			44	-5	4	-1			1.00	1.10	.25						
41.094	102.939	-.86	-1.66			44	-6	4	-1			1.00	.80	.43						
41.097	103.031	-.88	-1.62			44	-6	4	-1			1.00	.90	.27						
41.101	103.122	-.91	-1.86			45	-7	3	-2			1.00	1.20	.02						
41.107	103.208	-1.05	-1.84			44	-6	4	-1			.60	.80	.15						
41.113	103.294	-.97	-1.53			45	-7	3	-2			.70	1.10	-.15						
41.118	103.381	-1.00	-1.69			45	-7	3	-2			.70	1.10	-.20						
41.122	103.466	-1.08	-1.87			45	-7	3	-2			.75	.80	.08						
41.133	103.551	-.84	-1.66			44	-6	3	-1			.45	1.30	.32						
41.143	103.637	-.99	-1.70			45	-7	2	-2			.46	1.05	.65						
41.152	103.720					45		3	-1				.95	.75						
41.162	103.806					44		3	-1				1.30	.85						
41.172	103.893					44		3	-1				1.10	.50						
41.183	103.981					44		3	-1				1.25	.50						
41.194	104.064					44		2	-1				1.15	.60						
41.208	104.150					44		2	-2				1.30	.70						
41.216	104.237					45		1	-3				1.15	.65						
41.223	104.326					45		1	-2				1.12	.52						
41.224	104.415					45		1	-3				1.20	.75						
41.218	104.502					45		1	-3				1.25	.75						
41.214	104.594					44		2	-2				1.30	.70						
41.207	104.682					45		2	-3				1.20	1.00						
41.205	104.770					45		2	-2				1.10	1.35						
41.217	104.858					45		1	-2				.90	1.15						
41.228	104.947					45		2	-2				1.20	1.00						
41.238	105.034					45		1	-2				1.40	1.45						
41.252	105.120					46		1	-3				1.45	1.20						
41.266	105.208					45		1	-1				1.45	2.10						
41.278	105.295					45		1	-4				1.40	1.50						
41.291	105.380					45		-1	-5				.63	-.28						

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 8

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.610	110.094					50			-10					3.20						
38.662	109.980					50			-10					3.20						
38.703	109.883					49			-10					3.20						
38.747	109.769					50			-11					3.20						
38.773	109.687					50		-11	-10					3.20						
38.957	109.232					49		-10	-10				3.50	2.90						
38.981	109.186					50		-11	-11				3.50	2.90						
39.211	109.025					70			-33					2.90						
39.260	108.955					61			-23					2.90						
39.283	108.889					53			-15					2.90						
39.265	108.778					51			-12					2.90						
39.235	108.730					50		-9	-10				.70	2.90						
39.198	108.700					49		-9	-10				1.13	3.07						
39.218	108.771					50		-10	-11				1.35	3.00						
39.252	108.761					49		-9	-10				1.55	2.90						

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 9

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
39.103	108.674					53		-12	-14				2.20	3.20						
39.081	108.722					54		-13	-15				2.02	3.20						
39.110	108.798					54		-13	-16				2.12	3.20						
39.018	108.854					54		-14	-17				1.75	2.95						
38.991	108.789					53		-14	-16				1.60	2.90						
39.019	108.723					53		-15	-16				1.60	2.90						
39.066	108.710					53		-14	-16				1.60	2.90						
39.107	108.740					52		-12	-15				1.60	2.90						
39.092	108.799					51		-11	-14				1.60	2.90						
39.029	108.759					52		-12	-15				1.60	2.90						
39.007	108.652					51		-12	-14				1.60	2.63						
38.972	108.543					51		-12	-14				1.35	2.50						
38.936	108.436					52		-12	-13				1.10	2.50						
38.899	108.328					50		-10	-11				1.00	2.40						
38.869	108.237					51		-10	-11				1.00	2.20						
38.815	108.072					51		-9	-12				1.30	2.20						
38.775	107.966					50		-8	-11				1.25	2.20						
38.741	107.855					49		-7	-11				1.00	2.20						
38.707	107.747					48		-6	-9				1.00	2.20						
38.668	107.639					49		-7	-9				1.00	1.95						
38.630	107.532					49		-7	-8				1.00	1.90						
38.591	107.424					49		-5	-7				1.15	1.85						
38.553	107.316					48		-5	-6				1.35	1.60						
38.515	107.208					46		-2	-4				1.55	1.60						
38.483	107.118					45		1	-3				1.30	1.60						
38.477	107.100					43		3	2				.70	1.00						
38.369	105.973					41		3	2				1.20	1.60						
38.364	105.896					41		8	-1				1.00	1.30						
38.359	105.819					41		7	6				.80	1.20						
38.343	105.464					41		8	5				1.15	0.00						
38.339	105.309					43		8	4				.70	1.15						
38.335	105.194					42		9	4				.63	.85						
38.329	105.043					44		7	5				1.00	.80						
38.323	104.929					43		8	6				1.05	.75						
38.319	104.811					43		8	6				1.05	.50						
38.310	104.694					43		8	5				.85	.43						
38.301	104.578					44		7	5				1.05	.53						
38.292	104.463					44		7	5				1.15	1.10						
38.285	104.352					44		7	5				1.05	.90						
38.282	104.231					43		8	6				.88	.82						
38.279	104.117					43		8	7				.90	.70						
38.276	104.001					43		9	7				.80	.80						
38.270	103.886					43		9	7				1.05	1.25						
38.264	103.768					44		8	6				.95	1.15						
38.259	103.656					44		8	6				.80	.85						
38.252	103.541					45		7	5				.75	.90						
38.244	103.426					45		8	5				.55	.70						
38.237	103.314					45		9	6				1.00	.60						
38.227	103.201					45		8	5				1.00	.65						

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 9

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.219	103.086					45		8	5				1.05	.33						
38.209	102.970					46		7	5				1.00	.60						
38.198	102.856					45		9	6				1.00	.75						
38.188	102.745					45		10	7				.80	.60						
38.179	102.631					44		10	7				.95	.40						
38.170	102.514					45		10	7				.90	.40						
38.154	102.404					45		9	6				1.00	.40						
38.134	102.289					45		10	6				1.05	.33						
38.114	102.156					45		11	7				1.05	.60						
38.095	102.041					44		11	8				1.25	.45						
38.073	101.909					45		10	7				1.00	.75						
38.059	101.814					45		10	7				1.00	.70						
38.041	101.680					45		11	7				1.10	.85						
38.021	101.567					45		11	7				1.00	.70						
37.996	101.433	-1.14	-1.66			45	1	11	7			1.48	1.05	.55						
37.973	101.321	-1.10	-1.11			45	2	12	8			1.40	1.10	.27						
37.958	101.202	-1.19	-1.58			45	2	11	7			1.34	1.13	.29						
37.944	101.069	-1.26	-2.12			46	2	11	7			1.30	1.20	.45						
37.935	100.957	-1.34	-2.53			46	1	11	6			1.30	1.00	.40						
37.927	100.863	-.50	-1.65			46	2	12	7			1.55	1.05	.50						
37.920	100.751	-1.17	-1.98			45	3	12	7			1.50	1.20	.27						
37.908	100.623	-1.13	-1.95			45	3	12	7			1.30	1.00	.45						
37.897	100.511	-1.05	-1.71			46	3	12	8			1.35	1.00	.40						
37.886	100.392	-1.11	-1.78			46	2	12	7			1.25	.95	.55						
37.877	100.302	-1.13	-1.88			46	3	12	7			.70	.95	.40						
37.867	100.188	-1.26	-2.47			46	3	12	7			1.30	1.00	.58						
37.854	100.055	-1.24	-2.20			47	2	11	6			1.70	1.25	.40						
37.854	99.943	-1.32	-2.31			47	2	12	6			1.60	1.30	.45						
37.859	99.833	-1.22	-1.82			47	2	12	6			1.55	1.00	.40						
37.864	99.724	-1.14	-1.76			46	4	13	7			1.50	1.05	.55						
37.867	99.615	-1.12	-1.69			46	4	13	7			1.75	1.25	.60						
37.869	99.522	-1.16	-1.93			47	3	12	6			1.50	1.30	.55						
37.875	99.394	-1.13	-2.04			47	3	12	6			1.45	1.30	.65						
37.887	99.288	-1.25	-2.50			47	3	12	6			1.50	1.35	.60						
37.898	99.183	-1.20	-1.84			47	4	12	6			1.50	1.30	.80						
37.907	99.075	-1.25	-2.35			47	4	12	6			1.70	1.30	.80						
37.917	98.966	-1.12	-1.81			48	3	12	5			1.90	1.10	.90						
37.926	98.859	-1.16	-2.39			48	4	13	6			1.80	1.15	.70						
37.937	98.751	-.97	-1.82			48	3	12	5			1.60	1.25	.45						
37.946	98.641	-.56	-1.71			48	3	12	5			1.51	1.30	.53						
37.956	98.513	-.32	-2.03			49	3	12	5			1.45	1.45	.40						
37.965	98.404	-1.01	-2.12			49	3	11	4			1.56	1.34	.53						
37.977	98.276	-1.00	-2.17			49	3	11	5			1.45	1.30	.65						
37.991	98.152	-1.08	-2.46			48	4	12	6			1.55	1.30	.85						
37.994	98.042	-1.08	-2.66			49	3	12	5			1.65	1.30	.75						
37.998	97.950	-1.09	-2.86			50	2	11	3			1.60	1.40	.65						
37.950	97.850	-.28	-1.79			49	3	12	5			1.50	1.30	.33						
37.859	97.751	.08	-2.71			50	2	11	4			1.30	1.30	.90						
37.795	97.653	-1.10	-1.80			50	3	12	4			1.25	1.30	1.00						

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 9

REFERENCE							ONI-7000#1											TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
37.724	97.561	-.97	-2.59			47	6	15	7			1.30	1.26	.83						
37.606	97.515	-.76	-2.27			49	4	13	6			1.30	1.40	.40						
37.506	97.476	-.96	-2.43			49	5	14	7			1.50	1.55	.60						
37.405	97.442	-.80	-1.55			48	6	15	7			1.55	1.55	.70						
37.303	97.414	-.90	-2.08			47	7	16	8			1.56	1.56	.83						
37.182	97.372	-.93	-2.36			48	6	15	8			1.80	1.40	.60						
37.085	97.324	-.97	-1.66			47	7	16	9			1.65	1.45	.95						
37.006	97.276	-1.00	-2.33			49	5	15	7			1.65	1.40	1.00						
36.893	97.213	-.86	-1.39			50	5	14	6			1.81	1.64	.87						
36.785	97.147	-.85	-1.34			49	6	15	7			1.60	1.60	1.00						
36.787	97.037	-1.03	-2.83			49	6	15	7			1.40	1.65	1.20						
36.791	96.928	-.45	-1.74			49	6	15	7			1.50	1.50	1.00						
36.813	96.823	-.95	-1.98			49	6	15	7			1.45	1.60	1.10						
36.836	96.722	-1.11	-2.64			50	6	15	7			1.60	1.55	.95						
36.856	96.637	-1.02	-2.31			49	6	15	7			1.50	1.60	.95						
36.887	96.516	-1.23	-2.78			50	5	14	6			1.51	1.43	1.00						
36.918	96.397	-.92	-2.19			50	6	14	6			1.60	1.30	.85						
36.948	96.294	-.96	-2.42			50	6	14	6			1.60	1.30	1.00						
36.980	96.179	-.58	-2.63			50	6	14	6			1.60	1.30	1.00						
37.005	96.073	-1.12	-3.35			50	6	14	6			1.40	1.30	.75						
37.031	95.969	-.40	-2.48			50	6	14	6			1.30	1.30	.70						
37.050	95.863	-.75	-2.54			50	6	14	6			1.39	1.30	.96						
37.069	95.737	-.94	-3.08			49	7	15	7			1.20	1.30	.75						
37.081	95.626	-.80	-3.13			50	6	14	6			1.13	1.56	.79						
37.099	95.496	-.88	-2.95			50	6	14	6			1.20	1.60	.80						
37.113	95.386	-1.09	-3.08			50	6	14	5			1.30	1.56	1.00						
37.148	95.265	-1.07	-3.38			50	6	14	5			1.40	1.55	1.00						
37.132	95.157	-.98	-2.38			50	6	14	5			1.30	1.30	.80						
37.095	95.047	-.97	-3.10			50	6	14	5			1.45	1.40	.80						
37.053	94.943	-.94	-2.61			50	6	14	5			1.34	1.34	.87						
37.005	94.843	-.79	-2.47			50	7	15	6			1.30	1.30	.90						
36.951	94.724	-.22	-1.89			50	6	14	5			1.20	1.15	.90						
36.907	94.622	-.81	-2.28			49	7	15	5			1.13	1.30	.66						
36.850	94.505	-.72	-2.01			49	8	16	4			1.30	1.30	.55						
36.801	94.406	-.84	-2.41			49	8	16	4			1.15	1.30	.60						
36.751	94.309	-.77	-2.18			50	7	15	3			1.10	1.40	.60						
36.707	94.228	-.68	-1.82			50	7	15	3			1.30	1.35	.60						
36.646	94.113	-.06	-1.56			51	7	15	3			1.30	1.45	.40						
36.597	94.015	-.18	-1.61			52	6	14	2			1.35	1.60	.55						
36.561	93.911	-.30	-2.18			51	8	15	3			1.30	1.30	.79						
36.528	93.803	-.75	-1.55			52	8	14	2			1.30	1.30	.95						
36.487	93.679	-.62	-1.42			52	8	15	2			1.30	1.30	1.05						
36.456	93.572	-.61	-1.41			52	9	16	3			1.30	1.30	.80						
36.424	93.483	-.62	-1.35			52	9	16	2			1.39	1.56	.83						
36.386	93.387	-.16	-1.19			52	9	16	2			1.50	1.55	.95						
36.359	93.319	-.82	-1.83			52	9	16	2			1.42	1.54	1.00						
36.323	93.238	-.82	-1.45			52	10	16	2			1.60	1.50	1.00						
36.308	93.141	-.85	-1.34			53	9	15	1			1.75	1.70	1.00						
36.357	93.143	-.77	-1.10			52	9	17	1			1.80	1.85	.85						

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 9

REFERENCE		ONI-7000#1															TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.373	93.195	-.62	-1.05			54	7	15	0			1.45	1.55	.85						
36.319	93.258	-.51	-1.16			53	8	15	1			1.30	1.35	1.00						
36.281	93.213	-.83	-1.35			52	9	16	1			1.45	1.50	.95						
36.320	93.165	-.83	-1.04			52	10	16	2			1.86	1.81	1.04						
36.350	93.208	-.63	-.92			53	9	16	1			1.65	1.70	.75						
36.305	93.262	-.63	-1.42			53	8	15	0			1.30	1.35	.65						
36.256	93.208	-.87	-1.62			53	9	16	1			1.42	1.72	1.12						
36.274	93.167	-.79	-1.45			53	10	17	2			1.80	1.80	1.15						
36.329	93.152	-.82	-1.33			53	9	16	1			1.84	1.90	1.06						
36.346	93.196	-.78	-.97			54	8	15	0			1.65	1.70	.85						

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 10

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.312	93.241	-.60	-1.06			53	10	17	3			2.77	2.77	2.15						
36.274	93.274	-.43	-.93			52	10	17	3			2.40	2.30	1.70						
36.251	93.213	-.89	-1.72			52	10	17	3			2.45	2.83	2.35						
36.256	93.149	-.91	-1.89			52	11	18	2			2.70	2.90	2.50						
36.287	93.102	-.84	-1.53			52	11	18	2			2.90	3.00	2.25						
36.325	93.085	-.81	-1.28			52	10	17	2			2.90	2.90	1.70						
36.353	93.110	-.61	-.94			52	10	17	2			2.90	2.57	1.55						
36.363	93.160	-.49	-.41			52	10	18	2			2.57	2.50	1.60						
36.369	93.210	-.68	-1.27			51	11	18	3			2.25	2.50	1.80						
36.362	93.267	-.08	-.36			51	11	18	3			2.15	2.20	1.50						
36.298	93.287	-.58	-.80			52	10	17	2			1.90	1.80	1.50						
36.269	93.211	-.69	-1.74			52	10	17	2			2.10	2.45	2.20						
36.272	93.117	-.95	-1.65			51	12	18	3			2.20	2.50	2.00						
36.275	93.014	-1.07	-1.33			53	11	18	2			2.20	2.50	1.90						
36.273	92.908	-.92	-1.18			52	11	18	2			2.10	2.30	1.85						
36.272	92.796	-.94	-.77			52	11	18	2			2.20	2.45	1.70			-1.28			-4.61
36.282	92.688	-.89	-1.29			52	11	18	2			2.00	2.40	1.90			-1.20			2.13
36.293	92.582	-1.14	-1.03			53	10	17	1			1.90	2.20	1.75			-1.30			2.03
36.294	92.471	-1.51	-2.20			54	10	17	1			1.80	1.95	1.60			-1.27			1.92
36.283	92.357	-1.62	-2.36			54	9	16	0			1.70	1.90	1.60			-1.25			1.80
36.275	92.247	-1.07	-.64			54	10	16	-0			1.90	2.00	1.40			-1.19			1.97
36.258	92.132	-1.63	-1.85			53	11	17	0			1.90	2.20	1.60			-1.31			1.95
36.240	92.019	-1.64	-1.16			53	11	17	0			1.90	2.20	1.60			-1.41			2.08
36.222	91.905	-1.39	-1.40			54	11	16	0			2.10	2.35	1.60			-1.48			2.09
36.210	91.796	-.68	.71			53	12	18	1			2.20	2.38	1.60			-.62			1.43
36.203	91.684	-.55	-.47			54	11	17	-0			2.20	2.35	1.60			-.40			1.36
36.191	91.569	-.49	.24			55	11	16	-2			2.35	2.35	1.60			-.36			1.42
36.178	91.456	-.10	.96			55	11	16	-3			2.50	2.63	1.90			-.25			1.28
36.162	91.342	-.19	.84			53	12	18	-0			2.50	2.90	1.90			-.29			1.34
36.143	91.227	-.83	.35			55	10	16	-2			2.50	2.70	2.00			-.52			1.29
36.125	91.112	-.89	-.59			56	10	14	-3			2.50	2.50	1.95			-.70			1.30
36.106	90.996	-.89	-.18			56	10	14	-3			2.63	2.50	1.95			-.70			1.10
36.087	90.882	-.54	.44			57	9	14	-3			2.83	2.50	2.20			-.69			1.10
36.072	90.765	-.94	-.42			56	10	15	-2			2.83	2.77	2.35			-.85			1.38
36.070	90.652	-.63	-.30			55	11	16	-1			2.90	2.90	2.50			-.52			1.06
36.080	90.542	-.72	-.07			56	10	15	-3			2.70	2.90	2.30			-.99			1.51
36.087	90.432	-.51	-.19			57	9	14	-4			2.50	2.90	2.15			-.96			1.35
36.090	90.319	-.86	-.22			55	11	16	-2			2.50	2.77	2.20			-.98			1.30
36.084	90.204	-1.06	-.48			54	12	17	-1			2.35	2.50	2.20			-1.23			1.40
36.076	90.087	-.72	-.43			56	10	14	-3			2.50	2.50	2.20			-1.24			1.46
36.065	89.971	-1.72	-1.60			57	9	14	-4			2.50	2.50	1.90			-1.35			1.46
36.055	89.856	-.99	-.68			57	10	14	-4			2.50	2.77	1.90			-1.19			1.43
36.046	89.738	-1.30	-1.47			57	10	14	-4			2.50	2.90	2.20			-1.50			1.79
36.043	89.626	-1.42	-1.12			56	11	14	-3			2.50	2.63	2.20			-1.25			1.74
36.040	89.512	-1.74	-2.11			56	11	14	-3			2.50	2.45	2.00			-.97			1.73
36.028	89.395	-.96	-1.62			57	10	13	-5			2.50	2.20	1.90			-1.11			1.78
36.013	89.281	-1.37	-1.63			56	11	13	-4			2.50	2.25	1.90			-1.02			1.84
36.021	89.170	-1.16	-1.48			54	13	15	-2			2.50	2.45	1.95			-1.07			2.01
36.032	89.062	-1.22	-1.56		1.88	55	12	13	-3		-8	2.50	2.00	1.90		-.48	-.90			1.90

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 10

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.043	88.952	-.83	-1.27		1.47	56	11	12	-5		-8	2.25	1.90	1.90		-.80	-1.00			1.68
36.060	88.847	-1.09	-1.63		2.09	54	13	14	-3		-6	2.10	1.90	1.80		-.80	-.44			1.57
36.070	88.740	-.71	-1.06		1.36	54	14	15	-3		-6	2.00	1.90	1.35		-.75	-.57			1.54
36.083	88.631	-.48	-.86		1.42	54	13	14	-4		-6	2.15	2.20	1.65		.08	-.61			1.69
36.087	88.521	-.54	-.98		1.32	53	14	15	-3		-5	1.90	2.20	1.90		0.00	-.91			1.73
36.086	88.410	-1.09	-1.37		1.66	54	12	14	-5		-5	1.90	2.20	1.85		-.05	-1.07			1.59
36.086	88.300	-1.21	-1.38		1.30	54	12	14	-6		-5	1.90	2.20	1.55		-.20	-.87			1.20
36.089	88.190	-.97	-1.53		1.31	54	12	14	-6		-4	1.90	2.00	1.35		.42	-.62			1.12
36.094	88.081	-1.14	-1.75		1.45	53	13	15	-6		-4	1.72	2.08	.88		0.00	-.80			1.36
36.095	87.973	-1.36	-1.59		1.37	52	13	16	-5		-2	1.60	2.20	1.05		0.00	-1.00			1.24
36.097	87.865	-1.03	-1.20		1.46	52	13	16	-5		-2	1.60	2.30	1.06		.20	-.96			1.19
36.100	87.758	-.93		C	.90	54	11	14		C	-4	1.60	2.20		C	.40	-.96			1.35
36.101	87.653	-.49			.58	55	12	13			-4	1.75	2.10			.45	-.24			.55
36.099	87.545	-.66			.10	54	12	13			-3	1.60	1.90			.27	-.25			.34
36.099	87.440	-.80			.72	55	12	11			-4	1.80	1.90			.13	.10			.39
36.098	87.332	-.08			-.23	56	11	9			-5	1.90	1.60			.13	.17			.33
36.099	87.225	-.09			.58	56	11	9			-5	1.90	1.60			-.10	.03			.55
36.097	87.118	-.16			.71	57	11	9			-5	1.90	1.65			-.15	.17			.60
36.096	87.009	.09			.56	56	11	9			-4	1.90	1.85			-.05	.09			.65
36.100	86.904	-.22			.96	57	11	9			-4	1.90	1.60			-.05	-.19			.89
36.107	86.796	-.32			.58	57	10	8			-4	1.90	1.60			-.05	-.31			.64
36.118	86.690	-.21			.58	57	10	8			-4	1.90	1.65			.07	-.31			.72
36.117	86.586	.01			.30	57	10	8			-4	1.50	1.50			.20	-.11			.40
36.075	86.487	-.53			.60	57	10	8			-3	1.48	1.78			.08	-.21			.48
36.049	86.383	-.12			.35	56	10	9			-2	1.85	2.15			.02	-.35			.42
36.034	86.276	-.71			.06	55	11	10			-1	1.80	2.20			.02	-.47			.69
36.019	86.170	-.20			.04	56	11	10			-2	1.60	1.95			-.25	-.39			.65
36.005	86.063	-.43			.52	56	10	9			-2	1.55	1.90			-.25	-.16			.70
35.989	85.954	-.20			.56	55	11	10			-1	1.35	1.90			-.10	-.49			.77
35.974	85.846	-.33			.26	55	12	9			-0	1.60	1.90			-.35	-.46			.47
35.959	85.738	-.36			.52	56	11	8			-1	1.65	1.90			-.35	-.38			.60
35.939	85.613	-.43			.03	56	11	8			-1	1.65	1.85			-.15	-.18			.01
35.929	85.520	-.08			.40	55	12	8			-0	1.70	1.80			-.30	-.18			.64
35.912	85.414	.12			.59	57	11	7			-2	1.60	1.65			-.25	.13			.79
35.882	85.308	-.50			.58	55	12	7			0	1.50	1.40			-.05	-.02			1.09
35.846	85.207	.13			.81	54	14	8			2	1.65	1.25			-.25	.32			.69
35.810	85.104	.62			.33	55	13	7			2	1.60	1.25			-.40	.59			.42
35.778	85.001	.54			.15	54	13	8			3	1.75	1.50			-.30	.71			.63
35.779	84.895	1.07			.32	53	15	8			4	2.00	1.85			-.10	1.02			.67
35.799	84.789	1.29			.19	54	15	8			3	1.90	1.65			-.25	1.30			.45
35.820	84.683	1.11			.23	54	14	6			3	1.75	1.45			-.30	1.05			.56
35.836	84.577	.75			.39	55	12	5			2	1.60	1.30			-.20	.83			.13
35.854	84.471	.89			-.69	55	11	6			4	1.55	1.45			-.25	.82			-.57
35.868	84.362	.66			-.93	54	11	6			4	1.15	1.35			-.30	.53			-.55
35.869	84.251	.82			-.16	53	12	8			6	.70	1.45			-.20	.75			-.41
35.868	84.121	.66			-.11	53	12	7			6	.90	1.50			-.15	1.03			-.12
35.867	84.028	.72			-.50	52	11	7			6	1.10	1.40			-.50	.57			-.34
35.867	83.915	.58			-.61	52	10	7			7	.32	1.40			-.60	.58			-.36
35.849	83.804	.49			-.76	50	10	9			9	-.45	1.35			-.60	.67			-.30

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 10

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
35.846	83.693	1.11			-.03	50	9	8			10	-.30	1.40			-.35	1.06			.10
35.848	83.580	1.14			-.02	50	10	7			10	-.35	.80			-.40	1.22			.04
35.838	83.468	1.20			-.54	50	9	5			11	-.60	.50			-.35	1.25			-.43
35.816	83.359	1.50			-.85	52	7	2			10	-.60	-.10			-.03	1.41			-.21
35.792	83.250	.84			-.35	51	9	-0			12	-.15	-1.10			.50	1.25			-.72
35.763	83.142	.91			-.97	50	10	-1			13	.33	-1.35			.65	1.09			-.44
35.735	83.032	.74			-1.17	50	10	0			14	.40	-.65			.85	.99			-.74
35.707	82.928	1.06			-1.15	51	9	0			14	-.20	-.30			.85	1.37			-1.39
35.671	82.821	1.24			-.56	50	10	1			16	-.10	-.55			.90	1.48			-1.05
35.636	82.718	1.11			-.83	51	10	1			16	-.05	.22			1.10	1.54			-.91
35.598	82.612	1.28			-.90	51	10	-1			16	-.10	-.35			1.05	1.22			-.43
35.548	82.517	.77			-1.45	51	11	-5			17	.27	-1.40			1.50	1.03			-.94
35.492	82.425	.68			-.84	50	13	-4			18	.70	-1.44			1.36	1.06			-.54
35.436	82.333	.93			-.91	52	11	-5			18	.95	-1.65			1.60	1.12			-.84
35.378	82.248	1.36			-1.49	52	12	-4			18	.95	-1.85			1.60	1.41			-1.23
35.317	82.161	.97			-1.80	52	12	-4			19	1.25	-1.80			1.65	1.36			-1.30
35.243	82.091	.90			-1.49	53	12	-4			17	1.35	-1.55			2.35	1.16			-1.33
35.164	82.039	1.34			-1.29	54	12	-4			17	2.15	-.45			2.50	1.23			-1.20
35.085	81.984	1.24			-1.08	54	12	-2			18	2.50	.64			2.50	1.36			-.96
35.004	81.948		C		-1.94	53	13		C		18	1.90		C		2.87	1.55			-1.39
34.960	82.017				-1.89	52	14				19	2.15				2.82	1.67			-1.72
34.924	82.092				-1.77	51	16				20	2.20				2.10	1.48			-1.41
34.886	82.167				-1.99	52	15				18	2.30				1.90	1.44			-1.68
34.841	82.236				-1.54	54	13				16	2.20				1.75	1.37			-1.69
34.787	82.299				-3.31	53	15				17	2.35				1.95	1.43			-1.62
34.735	82.364				-1.96	51	17				19	2.50				2.20	1.36			-1.83
34.694	82.436			-1.56	-1.62	50	19			6	21	2.50			1.45	2.25	1.36			-1.84
34.653	82.509			-1.56	-1.67	54	14			2	15	2.50			2.00	2.00	1.45			-1.83
34.610	82.580			-1.91	-2.79	54	14			2	15	2.20			2.25	1.60	1.37			-2.02
34.566	82.652			-1.79	-2.49	53	15			3	16	2.20			2.25	1.80	1.46			-1.99
34.518	82.718			-1.53	-1.69	54	15			2	15	2.20			2.02	1.60	1.54			-1.91
34.461	82.777	1.18		-1.60	-1.94	55	15	-1		1	14	2.35	2.20		2.15	1.95	1.53			-2.03
34.395	82.824	1.29		-1.44	-1.70	56	14	-1		0	13	2.25	1.75		1.85	2.00	1.38			-2.02
34.329	82.871	1.33		-1.68	-2.51	55	15	0		1	14	2.40	1.40		2.40	2.40	1.52			-2.06
34.271	82.930	2.49		-1.13	-2.44	57	14	-1		0	13	2.40	1.30		2.45	2.40	1.47			-2.04
34.214	82.994	1.37		-1.10	-1.87	55	16	1		2	14	2.50	1.25		2.30	2.35	1.48			-2.17
34.162	83.061	1.33		-.96	-1.82	54	17	2		3	15	2.63	1.25		2.20	2.35	1.40			-1.99
34.117	83.133	1.31		-1.04	-2.39	57	15	-1		1	12	2.57	1.10		2.35	2.20	1.41			-2.05
34.052	83.206	1.15		-.90	-2.68	57	15	-1		1	12	2.50	1.30		2.30	2.00	1.36			-2.22
34.002	83.253	1.31		-.83	-2.05	56	17	1		2	12	2.50	1.35		2.50	2.00	1.46			-2.25
33.940	83.310	.97		-.96	-3.18	55	18	2		3	12	2.57	1.15		2.50	1.95	1.33			-2.20
33.863	83.333	1.11		-.64	-2.01	56	18	2		3	12	2.57	1.70		2.35	1.85	1.25			-2.10
33.789	83.366	1.11		-.52	-1.93	55	19	3		4	13	2.50	1.60		2.70	2.20	1.20			-2.12
33.717	83.399	1.17		-.34	-1.30	56	18	3		4	12	2.50	1.75		2.63	2.15	1.15			-1.80
33.641	83.424	1.50		-.13	-.86	57	18	2		3	10	2.88	2.05		2.50	1.90	1.61			-.06
33.547	83.448	2.09		-.04	.24	56	19	3		4	11	3.00	1.75		2.50	2.05	1.72			.05
33.466	83.468	2.07		.80	.07	55	20	5		5	12	2.90	1.70		2.70	1.80	1.54			-.04
33.388	83.491	1.35		.10	-.26	56	20	4		5	11	3.05	1.60		2.83	1.65	1.52			-.30
33.313	83.515	1.32		.08	-.41	58	18	2		3	9	3.02	1.78		2.58	2.08	1.52			-.41

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 10

REFERENCE						ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
33.236	83.542	1.29		-.10	-.73	58	19	3		3	9	2.90	1.85		2.50	2.20	1.55			-.42
33.158	83.568	1.45		-.02	-.29	57	20	4		4	10	2.90	1.90		2.63	1.95	1.54			-.49
33.078	83.589	1.26		.12	-.30	56	22	5		6	11	2.95	2.00		2.90	2.10	1.39			-.44
32.996	83.598	.76		-.11	-1.61	57	21	5		5	11	3.20	2.20		2.70	2.10	1.32			-.79
32.912	83.605	.97		-.19	-1.11	60	18	4		2	8	3.08	2.44		2.74	2.20	1.19			-.93
32.832	83.620	1.49		-.06	-1.27	60	19	4		3	8	2.90	2.50		2.90	2.20	1.43			-.82
32.752	83.639	1.26		-.46	-2.35	61	19	4		3	8	3.20	2.50		2.95	2.20	1.67			-1.66
32.693	83.679	2.09		-.30	-1.11	60	21	4		3	8	3.30	2.30		3.35	2.77	2.11			-.77
32.685	83.759	3.22		-.76	-.50	58	22	6		5	10	3.75	2.20		3.40	2.63	2.33			-.82
32.683	83.833	1.72		.16	.37	57	23	7		5	11	3.50	2.30		3.15	2.50	1.63			.39
32.679	83.910	1.32		.70	.44	57	24	8		5	10	3.30	2.50		2.70	2.35	1.43			.69
32.665	83.986	1.17		1.02	.86	58	23	7		4	8	3.20	2.77		2.50	2.05	1.37			.80
32.643	84.054	1.26		.98	1.11	58	23	7		4	8	3.20	2.83		2.50	1.65	1.52			1.02
32.623	84.120	1.57		.96	1.28	56	26	9		6	10	3.30	2.77		2.57	1.70	1.74			.88
32.618	84.184	1.50		.93	1.02	58	24	8		4	7	3.50	2.90		2.90	1.60	1.71			.86
32.613	84.251	1.70		.54	.66	60	22	6		2	5	3.35	2.90		2.70	1.60	1.79			.81
32.610	84.314	1.62		1.05	1.66	60	22	6		2	5	3.20	2.90		2.57	1.85	1.81			1.37
32.606	84.380	1.78		.80	1.14	62	20	5		0	3	3.20	3.10		2.83	1.95	1.80			1.36
32.600	84.449	2.07		.44	.82	63	19	4		-1	2	3.25	3.20		3.00	2.10	2.17			1.33
32.596	84.516	2.18		.46	.45	62	20	5		0	3	3.45	3.20		3.20	2.00	1.69			.45
32.598	84.584	1.70		.21	-.11	61	21	6		0	4	3.25	3.20		3.05	2.20	1.51			.42
32.601	84.652	1.68		.82	1.33	60	22	8		1	5	3.20	3.20		2.90	2.20	1.83			.94
32.608	84.718	1.82		.59	.67	58	25	10		3	7	3.20	3.20		2.90	2.20	1.90			.75
32.616	84.784	2.26		.34	.53	57	26	11		4	8	3.20	3.05		2.50	2.20	1.94			.79
32.622	84.851	2.05		.43	.55	60	23	8		1	4	3.20	2.95		2.50	2.20	2.01			.53
32.616	84.918	1.55		.82	.52	60	24	8		1	4	3.20	2.90		2.50	2.20	1.96			.39
32.606	84.985	1.84		.82	1.04	62	22	6		-1	1	3.35	2.90		2.50	2.20	1.97			.99
32.589	85.052	1.83		1.13	1.60	62	22	6		-1	1	3.40	2.90		2.50	1.95	1.91			1.43
32.561	85.117	1.96		.75	.09	63	22	7		-2	-0	3.20	2.90		2.50	1.90	1.95			1.07
32.534	85.182	1.65		.84	1.09	64	21	6		-3	-2	3.50	2.95		2.90	1.60	1.63			.86
32.520	85.248	1.79		.86	.76	63	23	7		-3	-1	3.80	2.90		2.90	1.80	1.31			1.44
32.519	85.318	1.35		1.38	1.68	62	23	7		-2	0	3.80	2.90		2.90	1.60	1.75			1.50
32.519	85.384	1.34		1.46	1.76	64	21	5		-4	-3	3.60	2.90		2.70	1.60	1.61			1.63
32.516	85.452	1.45		1.39	1.69	62	23	8		-2	-1	3.50	2.83		2.50	1.60	1.80			1.70
32.504	85.519	2.39		1.53	1.49	63	22	7		-3	-2	3.35	2.77		2.50	1.80	1.59			1.46
32.486	85.588	1.91		1.04	1.03	64	21	6		-4	-3	3.32	2.74		2.58	1.66	1.74			1.37
32.466	85.656	1.70		1.23	1.33	66	20	5		-6	-5	3.40	2.63		2.50	1.60	1.90			1.29
32.420	85.714	2.16		1.43	1.58	67	18	4		-7	-6	3.35	2.83		2.53	1.60	1.88			1.55
32.397	85.781	1.91		1.41	2.46	68	17	3		-8	-7	4.10	2.90		3.15	1.60	2.18			2.15
32.383	85.851	1.73		1.56	2.32	70 b	15 b	1 b		-10 b	-9 b	3.90	2.90		2.90	1.90	2.14			2.39
32.365	85.919	1.18		1.45	.90	70	15	1		-10	-9	3.80	2.95		2.90	1.90	1.54			.93
32.350	85.988	1.52		1.39	1.22	71	14	-0		-11	-10	3.65	3.20		2.90	1.85	1.91			1.07
32.331	86.054	2.35		1.51	1.08	69	16	2		-9	-9	3.60	3.20		3.00	1.65	2.06			1.21
32.300	86.112	1.83		1.30	.66	68	17	4		-9	-8	3.25	3.20		2.63	1.60	1.82			.93
32.271	86.162	1.70		1.34	1.00	68	17	4		-9	-8	3.60	3.20		2.63	1.75	2.02			.79
32.264	86.212	2.12		1.41	1.13	68	17	4		-9	-7	3.80	3.20		2.83	1.90	2.34			.99
32.267	86.261	2.27		1.51	1.50	68	17	4		-9	-7	3.80	3.10		2.70	1.90	2.46			1.43
32.267	86.318	2.35		1.56	1.61	69	17	4		-10	-8	3.80	2.90		2.50	2.00	2.66			1.52
32.240	86.367	2.26		1.50	1.19	70	15	3		-11	-9	3.25	2.90		2.45	2.10	2.45			1.27

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 10

REFERENCE		ONI-7000#1																TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.186	86.398	2.21		1.57	1.39	68	17	5		-9	-8	3.10	3.15		2.45	1.85	2.25			1.22
32.145	86.321	1.41		1.61	1.22	67	17	5		-8	-7	3.07	3.75		2.53	1.50	1.07			1.22
32.168	86.247	1.79		1.66	1.56	67	18	6		-8	-6	4.20	3.50		3.05	2.20	1.74			1.60
32.214	86.233	1.91		1.64	1.36	67	18	6		-8	-6	4.40	2.77		3.20	2.50	1.68			1.44
32.250	86.261	2.60		1.54	.74	67	18	6		-8	-6	4.20	2.50		3.20	2.45	2.62			.78
32.279	86.296	2.61		1.49	.80	70	15	3		-11	-9	3.75	2.83		2.95	2.45	2.63			.83
32.266	86.341	2.38		1.97	1.37	70	16	4		-11	-9	3.02	2.57		2.57	2.50	2.03			1.40
32.218	86.375	1.37		1.67	.97	69	16	4		-9	-8	2.90	3.05		2.35	2.30	1.33			1.53
32.170	86.336	1.50		1.67	1.37	68	17	4		-9	-7	2.85	3.75		2.30	1.60	1.35			1.18
32.191	86.274	1.98		1.71	1.15	68	17	5		-8	-7	4.10	3.55		3.15	1.90	2.16			1.67

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 11

REFERENCE LAT DEG	REFERENCE LONG DEG	TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ	ATM NOISE dB	SNR dB M	SNR dB W	SNR dB X	SNR dB Y	SNR dB Z	ECD uS M	ECD uS W	ECD uS X	ECD uS Y	ECD uS Z	TDL-711 TD BIAS uS MW	TDL-711 TD BIAS uS MX	TDL-711 TD BIAS uS MY	TDL-711 TD BIAS uS MZ
										ONI-7000#1										
32.236	86.543	1.59		1.62	1.39	65	21	10		-4	-3	3.35	2.90		2.70	2.05	1.57			1.38
32.239	86.604	1.89		1.61	1.54	66	19	9		-5	-5	3.50	2.90		2.90	2.10	1.87			1.66
32.245	86.661	1.47		1.61	1.80	65	20	10		-4	-4	3.20	2.90		2.77	2.00	1.72			1.80
32.251	86.722	1.63		1.54	1.92	65	20	10		-4	-4	3.20	2.90		2.50	1.90	1.62			2.01
32.257	86.788	1.43		1.50	1.83	66	19	9		-6	-6	3.20	2.90		2.63	1.90	1.64			1.95
32.262	86.854	1.65		1.53	1.92	64	20	11		-4	-4	3.20	2.90		2.57	1.90	1.87			1.94
32.266	86.916	1.98		1.41	1.85	66	19	10		-6	-6	3.20	2.90		2.50	1.65	1.79			1.98
32.272	86.979	2.04		1.43	1.94	66	18	9		-6	-7	3.20	2.83		2.50	1.60	1.75			2.01
32.277	87.048	1.86		1.35	1.87	66	17	9		-6	-7	3.20	2.50		2.50	1.60	1.67			1.94
32.285	87.123	1.42		1.26	1.88	65	18	11		-6	-6	3.20	2.50		2.50	1.60	1.73			2.02
32.295	87.199	2.02		1.23	1.77	67	16	9		-8	-9	3.20	2.50		2.50	1.60	1.68			1.92
32.306	87.274	2.07		1.18	1.90	66	16	10		-7	-8	3.20	2.50		2.50	1.60	1.95			2.09
32.310	87.352	1.65		1.19	2.08	66	16	10		-7	-9	2.90	2.50		2.50	1.60	1.84			2.18
32.313	87.431	1.71		1.07	2.02	66	16	11		-7	-9	3.10	2.50		2.50	1.60	1.90			2.13
32.316	87.510	1.89		1.08	2.03	65	17	12		-6	-8	2.95	2.70		2.50	1.55	2.12			2.17
32.320	87.589	1.90		1.06	2.07	63	18	14		-5	-6	2.90	2.50		2.50	1.60	2.21			2.15
32.323	87.668	1.95		1.06	1.94	65	16	12		-7	-9	2.90	2.57		2.50	1.30	2.30			2.03
32.327	87.746	2.47		1.09	1.82	66	16	12		-8	-10	2.90	2.50		2.50	1.35	2.21			1.97
32.330	87.824	2.01		1.03	1.92	63	18	14		-5	-7	2.90	2.50		2.50	1.25	2.25			2.04
32.336	87.901	1.83		1.08	1.93	62	19	15		-5	-7	3.05	2.50		2.50	1.20	1.99			1.95
32.346	87.978	1.79	1.55		1.94	64	16	14	-10		-9	2.90	2.50	2.77		1.25	2.15			2.05
32.352	88.056	1.81	2.14		1.80	63	17	15	-9		-8	2.90	2.50	2.25		1.20	1.84			1.91
32.355	88.134	2.34	2.13		1.75	62	18	16	-8		-7	2.90	2.50	2.05		1.20	2.13			1.98
32.361	88.212	1.75	1.72		1.97	61	18	17	-7		-7	2.90	2.50	1.90		1.20	2.04			1.98
32.363	88.289	1.00	1.61		1.64	61	18	17	-7		-7	2.90	2.50	1.65		1.20	1.35			1.72
32.367	88.365	1.00	.77		1.63	62	17	17	-8		-8	2.90	2.50	1.85		1.00	1.06			1.67
32.371	88.444	2.09			1.68	65	15	15			-11	2.95	2.63			.70	1.77			1.75
32.374	88.522	1.84		1.08	1.71	64	15	15		-8	-10	3.10	2.50		2.10	.70	1.57			1.72
32.377	88.599	1.23		1.06	1.73	64	14	15		-8	-11	2.90	2.50		1.95	.45	.97			1.76
32.375	88.678	.91		1.16	1.74	63	15	16		-7	-10	2.90	2.45		2.20	.70	.94			1.82
32.382	88.755	.36		1.10	1.75	62	16	17		-7	-9	2.90	2.25		2.15	.65	.64			1.85
32.390	88.834	1.03		1.13	1.83	62	16	17		-7	-9	2.90	1.95		2.20	.55	.79			1.90
32.398	88.911	.50		1.10	1.84	62	16	18		-6	-9	2.90	1.95		2.02	.55	.82			1.95
32.405	88.989	1.18			1.83	63	14	17			-10	2.90	2.30			.70	.98			1.91
32.412	89.067	.79	.39		1.71	63	14	17	-6		-11	2.90	2.50	2.40		.60	1.05			1.83
32.418	89.145	1.21	.81		1.67	62	15	18	-5		-10	2.90	2.25	1.95		.45	.99			1.86
32.423	89.224	.86	.98		1.71	63	14	17	-6		-11	2.90	2.20	1.75		.40	1.01			1.82
32.429	89.303	.88	.43		1.66	64	12	17	-6		-12	2.90	2.40	2.20		.50	1.16			1.77
32.435	89.382	.69	.30		1.68	62	14	19	-4		-11	2.90	2.50	2.20		.80	1.04			1.80
32.441	89.462	1.43	1.23		1.57	62	14	20	-4		-10	2.90	2.50	2.10		1.00	1.16			1.80
32.448	89.541	.74	.53		1.65	61	16	22	-3		-10	2.90	2.50	1.90		.80	1.10			1.80
32.454	89.622	.98	.75		1.80	61	15	21	-3		-10	2.90	2.50	1.90		.90	1.23			1.84
32.460	89.701	1.49	2.02		1.72	62	14	22	-4		-11	2.90	2.57	1.90		.65	1.33			1.83
32.466	89.780	1.13	1.01		1.73	62	13	21	-4		-11	2.90	2.50	2.20		.52	1.34			1.87
32.505	90.221	-.66	-1.06		1.79	62	12	22	-2		-12	2.90	2.50	2.08		.46	-.45			1.90
32.507	90.300	-.32	-.42		1.79	61	13	23	-1		-11	2.90	2.50	1.95		.70	-.43			1.95
32.511	90.378	-1.11	-1.48		1.92	59	15	25	1		-9	2.90	2.50	1.90		.50	-1.00			2.05
32.514	90.459	-.73	-.97		1.82	59	15	25	1		-9	2.90	2.50	1.90		.60	-.49			1.98
32.517	90.536	-1.48	-1.91		1.83	59	15	26	2		-9	2.90	2.63	1.90		.60	-1.16			2.00

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 11

REFERENCE							ONI-7000#1											TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.521	90.617	-1.06	-1.11		1.83	59	14	25	1		-10	2.90	2.90	1.90		.50	-.96			2.02
32.519	90.698	-.78	-1.08		1.76	58	15	26	2		-10	2.83	2.50	1.90		.40	-.69			1.95
32.517	90.779	-1.09	-1.18		1.94	60	13	24	0		-12	2.57	2.50	1.85		.20	-1.19			2.13
32.515	90.859	-1.60	-1.90		2.07	59	13	25	1		-11	2.50	2.50	1.90		.15	-1.37			2.22
32.513	90.940	-1.39	-1.77		1.92	60	12	24	1		-12	2.50	2.50	2.10		.20	-1.34			2.07
32.513	91.021	-1.09	-1.18		1.76	61	12	24	1		-13	2.83	2.50	2.25		.27	-1.01			1.89
32.513	91.101	-1.25	-1.39		1.72	60	12	25	1		-12	2.90	2.77	2.20		.15	-1.16			1.90
32.513	91.183	-1.09	-.68		1.69	60	11	25	1		-12	2.90	2.90	2.05		-.10	-.95			1.88
32.514	91.264	-.84	-1.08		1.64	62	9	23	-1		-14	2.90	2.95	2.05		.13	-1.15			1.84
32.516	91.346	-1.06	-.17		1.70	62	10	24	0		-14	2.90	2.90	2.20		.48	-.98			1.88
32.517	91.428	-1.00	-.93		1.69	61	10	24	1		-13	2.90	2.90	2.20		.60	-.86			1.85
32.518	91.510	-.92	-.73		1.69	61	11	24	2		-13	2.90	2.77	2.15		.40	-.80			1.84
32.519	91.592	-.39	.75		1.66	59	12	25	3		-12	2.90	2.90	2.15		.55	-.68			1.88
32.519	91.673	-.69	.36		1.59	60	11	25	3		-13	2.90	2.90	1.90		.60	-.64			1.75
32.521	91.755	-.75	.35		1.60	59	11	25	3		-12	2.90	2.90	1.90		.65	-.70			1.80
32.523	91.838	-.85	.01		1.64	58	12	26	4		-11	2.63	2.90	1.90		.80	-.84			1.81
32.522	91.919	-.61	.32		1.50	57	13	27	5		-10	2.57	2.90	1.90		.65	-.79			1.65
32.518	92.003	-.80	.00		1.50	59	11	25	3		-12	2.50	2.90	2.15		.68	-.77			1.68
32.523	92.085	-.82	-.15		1.51	58	11	26	4		-12	2.70	2.90	2.50		-.30	-.77			1.62
32.535	92.167	-.75	-.07		1.49	58	11	25	4		-12	2.70	2.70	2.25		-.15	-.81			1.71
32.547	92.248	-1.20	.02		1.61	56	13	27	6		-10	2.63	2.50	2.15		.20	-1.12			1.80
32.559	92.330	-1.32	-1.25		1.51	56	13	27	7		-10	2.50	2.70	2.05		.70	-1.19			1.66
32.571	92.411	-1.35	-1.50		1.58	55	13	27	8		-10	2.50	2.50	2.20		.27	-1.31			1.72
32.582	92.493	-1.32	-1.48		1.51	55	13	27	8		-10	2.50	2.50	1.90		.37	-1.29			1.63
32.594	92.576	-1.36	-1.51		1.53	55	13	27	8		-9	2.50	2.50	1.90		.12	-1.35			1.63
32.607	92.659	-1.39	-1.20		1.59	55	13	27	8		-10	2.50	2.50	2.08		.16	-1.36			1.74
32.617	92.741	-1.21	-1.12		1.45	55	13	28	9		-10	2.50	2.83	2.25		.02	-1.22			1.64
32.630	92.825	-1.31	-.99		1.52	55	13	27	9		-10	2.50	2.90	2.00		.45	-1.30			1.73
32.640	92.908	-1.07	-1.01		1.34	55	12	26	8		-10	2.50	2.90	2.05		.80	-1.02			1.43
32.652	92.991	-1.08	-.96		1.28	55	13	27	9		-10	2.50	2.90	2.10		.80	-1.08			1.44
32.664	93.075	-1.04	-1.10		1.26	55	13	27	9		-11	2.50	2.90	2.10		.70	-1.02			1.41
32.676	93.158	-1.13	-1.17		1.31	54	12	26	9		-10	2.50	2.83	2.00		.55	-1.14			1.53
32.689	93.243	-1.18	-.95		1.36	54	12	26	10		-10	2.50	2.63	2.15		.85	-1.18			1.50
32.702	93.327	-1.19	-.89		1.43	53	13	27	11		-10	2.50	2.63	2.20		.92	-1.24			1.51
32.715	93.410	-1.21	-1.31			C 53	13	26	11		C	2.50	2.57	2.20		C	-1.21			1.55
32.726	93.494	-1.00	.04	.07		53	13	27	12	-5		2.35	2.50	1.95	2.50		-1.12			1.44
32.739	93.578	-1.24	-1.59	.02		51	14	28	13	-4		2.25	2.50	2.10	2.00		-1.27			1.61
32.750	93.664	-1.28	-1.55	.01		50	15	29	14	-3		2.25	2.50	2.20	1.80		-1.29			1.61
32.761	93.749	-1.34	-1.05	-.03		50	15	28	14	-4		2.20	2.50	2.25	1.60		-1.35			1.58
32.771	93.835	-1.34	-.99	.01		50	15	28	14	-4		2.20	2.50	2.10	1.65		-1.36			1.50
32.776	93.921	-1.39	-1.59	.09		51	14	27	14	-5		2.40	2.50	2.00	1.75		-1.40			1.44
32.779	94.008	-1.40	-1.37	.07		51	14	27	14	-5		2.50	2.63	2.20	2.05		-1.43			1.42
32.784	94.096	-1.34	-.73	.02		50	14	28	15	-4		2.50	2.77	1.95	1.90		-1.36			1.42
32.787	94.182	-1.33	-.99	.05		51	13	27	14	-5		2.50	2.90	2.02	1.90		-1.38			1.50
32.791	94.270	-1.39	-1.55	.09		50	14	27	15	-4		2.50	2.63	2.15	1.90		-1.39			1.36
32.795	94.358	-1.34	-1.02	.10		49	15	28	16	-4		2.50	2.50	2.25	1.85		-1.37			1.46
32.800	94.447	-1.45	-.83	.11		48	15	29	17	-3		2.50	2.50	2.15	1.90		-1.45			1.47
32.804	94.535	-1.47	-1.04	.05		47	16	30	18	-2		2.30	2.50	2.05	2.15		-1.52			1.56
32.808	94.624	-1.53	-1.42	.00		48	15	29	17	-3		2.35	2.50	2.15	1.85		-1.54			1.55

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 11

REFERENCE						ONI-7000#1												TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.818	94.711	-1.53	-.73	-.08		50	13	27	15	-6		2.50	2.77	2.25	1.45		-1.55			1.63
32.827	94.800	-1.53	-1.23	-.11		51	12	26	14	-7		2.25	2.90	2.20	1.45		-1.58			1.59
32.835	94.889	-1.39	-.99	.00		51	12	25	14	-7		2.20	2.90	2.10	1.55		-1.41			1.49
32.845	94.978	-1.41	-.65	.01		49	13	27	16	-5		2.20	2.63	2.05	1.50		-1.41			1.49
32.855	95.067	-1.46	-.71	-.05		48	14	28	17	-5		2.20	2.70	1.90	1.65		-1.52			1.34
32.858	95.156	-1.46	-.22	-.07		48	14	28	17	-5		2.20	2.77	1.90	1.60		-1.50			1.31
32.862	95.246	-1.52	-.67	-.19		48	14	28	18	-5		2.35	2.90	2.05	1.60		-1.54			1.38
32.874	95.330	-2.21	-3.51	-.57		49	13	26	17	-6		2.45	2.57	2.42	1.90		-2.22			1.93
32.898	95.415	-2.13	-3.81	-.52		49	12	26	17	-6		2.30	2.50	2.40	1.75		-2.16			1.83
32.922	95.499	-2.08	-3.98	-.43		50	11	24	16	-7		2.25	2.57	2.30	1.70		-2.13			1.74
32.954	95.579	-2.05	-3.87	-.40		49	12	25	17	-7		2.20	2.83	2.45	1.60		-2.08			1.64
32.986	95.660	-2.05	-3.79	-.35		48	13	26	18	-6		2.30	2.90	2.25	1.50		-2.05			1.62
33.019	95.740	-2.05	-3.91	-.37		48	13	26	18	-6		2.50	2.90	2.20	1.60		-2.09			1.66
33.052	95.821	-2.05	-3.82	-.43		48	13	26	18	-6		2.50	2.90	2.45	1.40		-2.10			1.66
33.085	95.901	-2.05	-3.92	-.35		49	12	25	17	-7		2.50	2.90	2.30	1.55		-2.12			1.61
33.117	95.983	-2.00	-3.72	-.37		54	7	20	12	-12		2.50	2.90	2.25	1.60		-2.07			1.65
33.147	96.064	-1.98	-3.57	-.36		54	7	19	12	-12		2.57	2.90	2.20	1.60		-2.04			1.50
33.182	96.144	-1.93	-3.47	-.22		55	6	18	11	-13		2.50	2.90	2.50	1.60		-2.00			1.59
33.217	96.223	-1.96	-3.22	-.19		58	2	15	8	-16		2.50	2.90	2.35	1.60		-2.00			1.75
33.253	96.302	-1.95	-3.55	-.15		60	-0	13	6	-18		2.50	2.90	2.20	1.60		-1.99			1.70
33.284	96.383	-1.86	-3.33	-.04		62	-2	11	4	-20		2.57	2.90	1.95	1.60		-1.93			1.59
33.297	96.471	-1.86	-2.86	-.22		62	-2	11	4	-20		2.83	2.90	1.80	1.60		-1.93			1.58
33.311	96.561	-1.92	-3.38	-.35		60	0	12	6	-18		2.50	2.90	2.35	1.60		-1.94			1.65
33.335	96.647	-1.95	-3.39	-.37		59	1	13	7	-17		2.50	2.90	2.35	1.60		-1.98			1.65
33.358	96.732	-1.90	-3.30	-.20		61	-2	11	5	-20		2.50	2.77	2.40	1.60		-1.93			1.74
33.380	96.818	-1.88	-3.12	-.20		60	-1	12	6	-19		2.50	2.57	2.40	1.60		-1.93			1.65
33.403	96.904	-1.82	-2.85	-.20		59	0	13	7	-18		2.35	2.90	2.45	1.60		-1.85			1.59
33.425	96.990	-1.78	-2.75	-.15		60	-1	11	6	-19		2.30	2.90	2.20	1.60		-1.83			1.65
33.448	97.077	-1.79	-2.19	-.23		59	-1	12	7	-18		2.50	2.83	2.25	1.60		-1.88			1.73
33.475	97.163	-1.77	-2.61	-.23		57	1	14	9	-16		2.30	2.83	2.35	1.60		-1.83			1.72
33.502	97.248	-1.78	-2.03	-.22		55	3	16	10	-15		2.20	2.57	2.30	1.60		-1.78			1.75
33.530	97.332	-1.71	-2.35	-.08		52	6	18	13	-12		2.10	2.77	2.20	1.60		-1.78			1.75
33.559	97.416	-1.71	-2.23	-.08		50	8	20	15	-10		2.10	2.50	2.10	1.60		-1.78			1.86
33.588	97.502	-1.64	-1.66	.01		48	10	22	17	-8		2.20	2.50	2.20	1.75		-1.70			1.82
33.615	97.588	-1.62	-1.64	-.01		47	11	23	18	-7		2.20	2.50	2.20	1.90		-1.67			1.81
33.638	97.674	-1.65	-1.57	-.10		47	11	23	18	-8		2.40	2.50	2.15	2.15		-1.67			1.88
33.660	97.763	-1.65	-1.71	.01		48	9	21	17	-9		2.50	2.50	2.20	2.20		-1.63			1.82
33.681	97.851	-1.54	-1.24	.01		50	8	20	16	-11		2.35	2.50	2.20	2.20		-1.45			1.63
33.703	97.939	-1.46	-.84	.08		53	4	16	12	-14		2.50	2.50	2.20	2.20		-1.47			1.74
33.727	98.026	-1.38	-.66	.17		56	2	13	10	-17		2.40	2.50	2.25	2.20		-1.46			1.78
33.753	98.110	-1.39	-.62	.15		58	-1	10	7	-19		2.50	2.50	2.50	2.20		-1.39			1.71
33.788	98.187	-1.40	-1.24	.36		56	1	12	9	-17		2.35	2.50	2.45	2.20		-1.45			1.68
33.824	98.268	-1.41	-1.57	.23		53	4	15	12	-14		2.20	2.50	2.40	2.20		-1.43			1.76
33.859	98.348	-1.40	-1.64	.22		52	4	16	13	-14		2.30	2.57	2.45	2.20		-1.50			1.84
33.895	98.430	-1.43	-1.33	.17		55	1	13	9	-17		2.50	2.50	2.20	2.20		-1.46			1.81
33.932	98.510	-1.41	-1.46	.19		56	0	12	8	-18		2.50	2.50	2.20	2.20		-1.44			1.91
33.962	98.596	-1.25	-.44	.14		57	-1	10	7	-19		2.45	2.50	2.05	2.20		-1.39		.29	1.06
33.982	98.686	-1.29	-.66	-.09		59	-3	9	6	-21		2.20	2.70	2.05	2.20		-1.40		.00	1.81
34.002	98.776	-1.39	-.74	-.02		60	-5	7	4	-22		2.38	2.50	2.38	2.20		-1.44			1.83

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 11

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
34.023	98.864	-1.43	-1.21	-.11		61	-6	6	3	-23		2.50	2.50	2.50	2.20		-1.48		.07	2.11
34.043	98.954	-1.39	-1.16	.09		62	-7	4	1	-24		2.50	2.50	2.50	2.20		-1.51			1.72
34.064	99.045	-1.44	-1.04	.23		61	-6	5	2	-23		2.50	2.50	2.35	2.20		-1.52			1.81
34.084	99.137	-1.47	-1.02	.08		61	-6	5	2	-23		2.50	2.57	2.45	2.20		-1.55		-.12	1.83
34.105	99.229	-1.51	-.98	.11		59	-4	8	5	-21		2.50	2.50	2.20	2.20		-1.55			2.06
34.125	99.319	-1.48	-.98	.03		58	-3	8	5	-20		2.50	2.50	2.00	2.20		-1.59		-.05	2.08
34.146	99.410	-1.53	-1.21	-.03		56	-2	9	7	-20		2.35	2.50	2.10	2.20		-1.57			2.20
34.167	99.502	-1.56	-1.54		c	53	1	12	10		c	2.05	2.50	2.00		c	-1.60			2.25
34.187	99.591	-1.57	-1.31			51	3	14	12			1.90	2.50	1.90			-1.65			2.31
34.209	99.685	-1.54	-1.48			49	5	16	14			2.10	2.50	1.90			-1.60			2.17
34.234	99.775	-1.58	-1.46			48	6	17	15			2.15	2.50	1.90			-1.64			2.22
34.257	99.861	-1.56	-1.84			47	7	18	16			2.20	2.50	1.90			-1.63			2.04
34.281	99.952	-1.58	-1.58			46	8	19	17			2.15	2.50	1.90			-1.64			2.10
34.304	100.041	-1.55	-1.77			45	8	19	17			1.95	2.50	1.90			-1.63			2.08
34.329	100.131	-1.54	-1.60			44	9	20	18			1.95	2.40	1.90			-1.62			1.94
34.353	100.222	-1.55	-1.45			45	8	19	17			1.95	2.45	1.90			-1.63			1.88
34.378	100.313	-1.56	-1.79			45	8	19	18			2.05	2.45	1.80			-1.64			1.83
34.379	100.404	-1.54	-2.04			45	7	18	17			1.90	2.40	1.80			-1.60			1.73
34.382	100.500	-1.57	-1.75			45	7	18	17			2.15	2.50	2.00			-1.66		-.23	1.70
34.385	100.595	-1.54	-1.75			46	7	18	17			1.95	2.40	2.20			-1.59			1.81
34.393	100.690	-1.55	-1.29			45	7	18	17			2.05	2.50	2.00			-1.63			1.71
34.399	100.785	-1.58	-1.66			45	7	18	17			1.90	2.30	1.90			-1.67			1.87
34.402	100.879	-1.60	-1.64			45	6	17	17			2.10	2.20	1.90			-1.66			1.73
34.406	100.974	-1.63	-1.85			44	7	18	18			2.05	2.20	1.90			-1.67		.15	1.97
34.408	101.085	-1.53	-1.29			44	7	18	18			2.10	2.10	1.90			-1.60		-.06	1.71
34.411	101.180	-1.55	-1.32			44	7	18	18			2.20	2.15	1.90			-1.60		-.12	1.72
34.414	101.275	-1.59	-1.60			44	7	18	18			2.15	1.95	2.00			-1.67			1.90
34.417	101.370	-1.60	-1.67			43	8	19	18			2.20	2.15	1.90			-1.62			2.06
34.417	101.465	-1.66	-1.81			43	7	18	18			2.05	2.10	1.90			-1.62			1.87
34.419	101.562	-1.60	-1.71			43	7	18	18			1.90	1.90	1.95			-1.62		-.41	1.57
34.421	101.660	-1.53	-1.27			43	7	18	18			2.05	2.00	2.05			-1.60			1.87
34.424	101.752	-1.54	-1.28			43	7	18	18			1.90	1.90	2.20			-1.55		.02	2.55
34.426	101.850	-1.55	-1.38			44	6	17	17			1.95	1.90	2.20			-1.59		-.32	1.98
34.430	101.943	-1.62	-1.88			45	5	16	17			2.20	1.90	2.15			-1.64		-.10	1.83
34.432	102.038	-1.60	-1.80			44	5	16	17			2.15	1.90	1.90			-1.64		-.40	1.99
34.436	102.134	-1.58	-1.81			43	6	17	18			2.14	1.90	1.90			-1.64			1.96

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT h

REFERENCE LAT DEG	LONG DEG	TD BIAS uS MW	MX	MY	MZ	ATM NOISE dB	SNR dB M	W	X	Y	Z	ECD uS M	W	X	Y	Z	TDL-711 TD BIAS uS MW	MX	MY	MZ
												ONI-7000#1								
35.112	107.103					45		4	6				1.30	1.00						
35.126	107.171					44		5	7				1.15	1.00						
35.142	107.248					46		3	5				1.05	1.00						
35.159	107.330					47		2	4				1.30	1.00						
35.175	107.420					48		1	3				1.30	1.00						
35.197	107.505					47		2	4				1.10	.90						
35.219	107.591					47		2	4				1.00	1.10						
35.240	107.677					48		0	3				.95	1.05						
35.260	107.762					48		-1	2				.65	.80						
35.269	107.851					48		-1	1				.55	.65						
35.276	107.941					48		-0	2				.65	.50						
35.284	108.032					47		0	2				.60	.70						
35.293	108.122					47		0	2				.55	.50						
35.310	108.211					46		1	3				.38	.90						
35.331	108.298					46		1	3				.45	.85						
35.353	108.385					46		0	2				.90	.95						
35.378	108.471					47		-0	1				.95	.75						
35.400	108.560					48		-2	-1				.85	.75						
35.422	108.649					47		-1	-0				.95	1.15						
35.443	108.736					47		-1	-0				.80	.80						
35.465	108.825					46		-2	-0				.45	.22						
35.466	108.918					48		-3	-2				.45	-.05						
35.441	109.009					47		-2	-1				.38	-.15						
35.423	109.103					48		-3	-2				.50	-.65						
35.410	109.198					48		-3	-1				.80	-.10						
35.394	109.292					48		-3	-1				.60	.33						
35.375	109.387					49		-6	-2				.33	.45						
35.357	109.481					50		-6	-3				.43	.70						
35.334	109.575					51		-6	-4				.18	.08						
35.315	109.668					48		-4	-1				.73	.25						
35.295	109.761					47		-3	1				1.00	.70						
35.273	109.856					47		-3	-0				.90	.85						
35.252	109.949					48		-5	-1				1.00	1.00						
35.231	110.041					50		-6	-3				.95	.27						
35.210	110.134					50		-6	-3				.90	.85						
35.187	110.225					52		-9	-5				.90	.60						
35.164	110.319					52		-9	-6				.90	.33						
35.145	110.409					52		-9	-7				.90	-.10						
35.125	110.501					51		-9	-5				.85	.40						
35.106	110.593					52		-10	-6				1.00	.60						
35.085	110.684					52		-10	-6				.85	.70						
35.063	110.776					50		-8	-6				1.05	.95						
35.038	110.867					49		-7	-5				1.30	1.22						
34.988	111.128					47		-6	-5				.90	1.60						
34.970	111.221					47		-6	-5				1.00	1.60						
34.950	111.308					48		-8	-6				1.00	1.60						
34.930	111.401					49		-9	-6				1.00	1.40						
34.910	111.493					50		-10	-8				1.00	1.55						
34.891	111.588					49		-9	-7				1.00	1.60						

Entire segment-h

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 12

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
34.870	111.678					48		-8	-6				1.00	1.60						
34.854	111.774					47		-8	-6				1.00	1.60						
34.838	111.851					47		-9	-7				1.00	1.36						
34.816	111.962					47		-10	-7				1.05	1.25						
34.797	112.054					47		-10	-7				1.00	1.30						
34.775	112.149					47		-10	-7				1.00	1.30						
34.752	112.242					47		-9	-6				1.00	1.30						
34.730	112.335					47		-9	-6				1.00	1.30						
34.709	112.427					47		-10	-6				1.00	1.30						
34.701	112.514					49		-12	-8				1.00	1.30						
34.707	112.612					49		-12	-9				1.00	1.30						
34.710	112.705					49		-12	-9				1.00	1.30						
34.714	112.799					47		-11	-8				1.00	1.30						
34.719	112.892					47		-11	-8				.95	1.25						
34.724	112.985					48		-12	-9				1.00	1.30						
34.729	113.076					48		-12	-9				1.00	1.30						
34.734	113.170					48		-12	-9				1.00	1.30						
34.741	113.262					52		-17	-14				.95	1.30						
34.736	113.356					53		-18	-16				1.00	1.30						
34.734	113.452					53		-18	-16				1.00	1.35						
34.731	113.543					53		-18	-16				1.00	1.36						
34.732	113.637					58		-24	-21				1.00	1.30						
34.736	113.730					56		-21	-19				1.00	1.30						
34.737	113.822					53		-20	-15				1.00	1.30						
34.740	113.913					51		-19	-13				1.00	1.35						
34.743	114.006					54		-21	-16				1.00	1.60						
34.747	114.099					54		-21	-17				1.00	1.60						
34.750	114.191					53		-20	-17				1.00	1.40						
34.752	114.285					53		-20	-17				1.00	1.30						
34.752	114.378					53		-20	-17				1.00	1.30						
34.754	114.471					53		-20	-16				1.00	1.30						
34.756	114.565					54		-22	-17				1.00	1.30						
34.762	114.655					56		-24	-19				1.00	1.55						
34.765	114.746					56		-24	-19				1.00	1.35						
34.768	114.840					55		-23	-17				1.00	1.35						
34.774	114.932					55		-23	-17				1.00	1.60						
34.779	115.025					57		-25	-19				1.00	1.60						
34.781	115.116					57		-25	-19				1.00	1.60						
34.784	115.206					57		-25	-19				1.20	1.75						
34.782	115.299					56		-24	-19				1.30	1.75						
34.780	115.392					56		-24	-19				1.30	1.90						
34.775	115.483					56		-24	-19				1.30	1.60						
34.773	115.576					55		-24	-19				1.30	1.60						
34.771	115.668					54		-23	-18				1.30	1.60						
34.769	115.761					53		-22	-17				1.30	1.60						
34.771	115.854					53		-22	-17				1.30	1.80						
34.773	115.962					53		-22	-17				1.30	1.90						
34.781	116.054					52		-21	-16				1.40	1.90						
34.784	116.146					51		-21	-15				1.30	1.90						

Entire segment-h

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 1

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
34.797	116.239					52		-22	-16				1.30	1.90						
34.789	116.331					53		-24	-17				1.55	1.90						
34.789	116.424					55		-25	-19				1.50	1.90						
34.784	116.518					56		-26	-20				1.60	1.90						
34.775	116.611					56		-27	-20				1.60	2.10						
34.766	116.704					54		-25	-21				1.60	2.20						
34.757	116.796					54		-25	-24				1.60	2.20						
34.748	116.889					53		-24	-21				1.60	2.20						
34.738	116.981					54		-25	-22				1.50	2.20						
34.729	117.074					55		-26	-22				1.45	2.20						
34.719	117.164					54		-25	-21				1.45	2.20						
34.709	117.255					53		-24	-20				1.50	2.20						
34.701	117.347					e		e	e				e	e						
34.696	117.392					↓		↓	↓				↓	↓						
33.750	115.608																			
33.725	115.499					50			-14					4.70						
33.705	115.404					50			-13					4.95						
33.681	115.311					51			-15					4.85						
33.659	115.217					51			-14					4.90						
33.641	115.123					53			-16					5.00						
33.631	115.026					52			-15					5.00						
33.621	114.933					52			-15					5.00						
33.612	114.837					50			-13					4.95						
33.587	114.744					50			-13					4.77						
33.572	114.646					50			-12					4.85						
33.576	114.552					51			-13					4.62						
33.564	114.464					52			-14					4.40						
33.554	114.365					52			-13					4.40						
33.543	114.270					51			-11					4.40						
33.532	114.177					51			-13					4.40						
33.520	114.083					54			-14					4.40						
33.507	113.988					55			-16					4.25						
33.466	113.903					54			-14					3.80						
33.428	113.819					53			-13					3.55						
33.390	113.730					53			-12					3.35						
33.361	113.640					53			-12					3.20						
33.330	113.549					53			-12					3.40						
33.301	113.459					53			-12					3.44						
33.267	113.369					52			-11					3.45						
33.229	113.284					51			-9					3.40						
33.187	113.183					49			-7					3.30						
33.146	113.096					49			-7					3.05						
33.104	113.009					49			-7					2.90						
33.066	112.922					47			-4					3.20						
33.023	112.836					46			-4					2.98						
32.988	112.747					46			-5					3.08						
32.953	112.658					46			-4					2.90						
32.910	112.573					45			-3					3.05						
32.865	112.491					46			-3					3.14						

Entire segment-h

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 1A

REFERENCE							ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.826	112.404					47		-9	-4				3.50	2.88						
32.788	112.317					45		-8	-2				3.50	2.63						
32.747	112.232					46		-9	-3				3.50	2.50						
32.706	112.146					47		-9	-3				3.50	2.35						
32.666	112.064					50		-12	-6				3.50	2.40						
32.625	111.981					54 i		-17 i	-10 i				3.50	2.58						
32.584	111.901					59		-21	-14				3.20	3.02						
32.543	111.822					58		-18	-13				3.25	2.77						
32.504	111.745					54		-14	-8				3.50	3.00						
32.471	111.672					51		-12	-5				3.50	2.88						
32.444	111.605					50		-10	-4				3.40	3.20						
32.417	111.544					50		-11	-4				3.35	3.25						
32.387	111.483					49		-9	-3				3.50	3.14						
32.354	111.410					47		-7	-1				3.50	2.77						
32.323	111.331					49		-9	-3				3.35	2.95						
32.294	111.257					50		-11	-3				3.20	2.95						
32.264	111.189					50		-10	-3				3.20	2.57						
32.248	111.131					47		-6	1				3.20	2.50						
32.226	111.084					47		-6	0				3.30	2.45						
32.203	111.044					47		-5	0				3.20	2.25						
32.178	111.015					47		-5	1				3.00	2.35						
32.155	110:987					49		-7	-1				3.00	2.25						

Entire segment-h

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 13

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.106	110.931					50		-8	-2				.24	.46						
32.070	110.890					49		-9	-2				-.10	.33						
32.033	110.847					50		-8	-3				-.35	.50						
31.997	110.797					49		-8	-2				-.30	.50						
32.012	110.726					50		-9	-3				.07	.65						
32.031	110.656					49		-7	-1				-.10	.60						
32.057	110.587					47		-6	1				-.15	.50						
32.076	110.514					47		-5	1				.27	.27						
32.095	110.441					45		-3	3				.13	.13						
32.113	110.366					45		-4	2				0.00	-.25						
32.094	110.288					45		-3	3				.02	-.40						
32.086	110.207					44		-2	4				.55	.45						
32.075	110.117					45		-2	3				.70	.30						
32.064	110.022					47		-3	2				1.00	.62						
32.029	109.724					45		-1	4				.90	.27						
32.014	109.552					44		-0	5				.75	1.05						
32.007	109.462					43		2	6				.90	1.30						
31.998	109.375					43		1	8				.65	1.20						
31.987	109.284					44		1	7				.65	1.30						
31.976	109.189					43		2	9				.90	1.60						
31.966	109.096					42		3	10				1.00	1.45						
31.960	109.000					43		3	9				.38	1.06						
31.953	108.904					43		3	9				.60	.90						
31.946	108.811					44		2	8				1.00	.90						
31.936	108.717					44		2	9				1.10	1.05						
31.925	108.623					44		2	9				1.15	.95						
31.915	108.528					45		2	8				1.24	1.12						
31.906	108.434					45		2	8				1.15	1.05						
31.897	108.339					44		4	10				1.30	.80						
31.886	108.244					44		4	9				1.10	.80						
31.875	108.148					46		2	7				1.20	.80						
31.865	108.052					46		3	8				1.30	.75						
31.858	107.955					46		2	8				1.30	.75						
31.849	107.859					45		3	9				1.30	.40						
31.839	107.764					46		3	8				1.30	.13						
31.828	107.669					45		4	10				1.30	.40						
31.817	107.574					44		5	11				1.22	.70						
31.817	107.471					45		4	11				1.60	1.38						
31.821	107.344					45		4	11				1.45	1.30						
31.819	107.249					46		3	10				1.50	1.25						
31.818	107.155					46		5	10				1.55	1.30						
31.816	107.061					45		5	11				1.35	1.50						
31.815	106.966					45		5	11				1.30	1.05						
31.812	106.888					46		5	10				1.42	1.00						
31.813	106.778					46		6	12				1.60	1.00						
31.809	106.685					44		7	12				1.40	1.05						
31.806	106.591					43		7	14				1.30	1.00						
31.805	106.497					43		8	14				1.30	.60						
31.806	106.405					43		8	14				1.30	.65						

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 13

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
31.805	106.312					43		8	14				1.30	1.00						
31.799	106.220					43		8	15				1.30	1.20						
31.791	106.129					42		9	16				1.30	1.45						
31.782	106.036					42		10	15				1.30	1.10						
31.773	105.942					43		10	15				1.55	1.00						
31.769	105.846					43		11	15				1.60	.90						
31.760	105.753					42		12	17				1.60	1.35						
31.752	105.660					42		12	17				1.60	1.60						
31.745	105.566					42		12	16				1.60	1.20						
31.738	105.472					43		11	16				1.60	1.30						
31.731	105.378					44		11	16				1.60	1.30						
31.723	105.285					43		12	17				1.55	1.30						
31.715	105.191					43		12	17				1.60	1.60						
31.732	105.101					42		13	18				1.60	1.55						
31.711	105.013					42		13	19				1.60	1.50						
31.674	104.923					42		13	19				1.60	1.55						
31.648	104.838					43		13	19				1.60	1.60						
31.616	104.751					44		12	18				1.60	1.65						
31.581	104.665					44		12	19				1.60	1.48						
31.544	104.580					43		13	20				1.60	1.60						
31.508	104.494					44		12	19				1.60	1.45						
31.466	104.395					45		12	19				1.68	1.60						
31.430	104.311					44		13	20				1.75	1.60						
31.394	104.224					44		14	20				1.60	1.75						
31.366	104.137					42		15	22				1.60	1.90						
31.335	104.050	-2.15	-2.96			44	0	13	21			1.68	1.60	1.90						
31.303	103.960	-2.10	-2.89			45	1	14	21			1.60	1.60	1.95						
31.274	103.873	-2.08	-2.89			43	2	15	23			1.80	1.60	1.90						
31.243	103.785	-1.99	-2.75			43	2	15	23			1.60	1.60	1.90						
31.212	103.700	-1.98	-2.49			42	3	16	24			1.60	1.60	1.85						
31.182	103.612	-1.97	-2.60			42	3	16	24			1.60	1.54	1.90						
31.153	103.526	-1.93	-2.83			42	3	16	24			1.75	1.35	1.90						
31.122	103.435	-1.22	-2.94			43	2	15	23			1.70	1.30	1.90						
31.092	103.348	-1.85	-2.19			43	2	15	23			1.65	1.35	1.85						
31.064	103.260	-1.34	-2.39			44	2	15	23			1.70	1.55	1.80						
31.031	103.175	-1.34	-2.35			45	1	14	23			1.65	1.35	1.80						
30.994	103.089	-1.15	-2.11			44	2	14	23			1.95	1.30	1.90						
30.958	103.004	-2.10	-3.09			43	2	15	24			1.65	1.30	1.90			-2.13	-3.16	7.49	f
30.942	102.912	-2.12	-3.30			42	3	16	25			1.60	1.35	1.90				-3.31	7.61	
30.930	102.818	-2.11	-3.23			43	2	15	24			1.60	1.35	1.90				-3.29	7.61	
30.919	102.725	-2.16	-3.15			44	2	15	23			1.50	1.35	1.90				-3.26	7.54	
30.908	102.632	-1.74	-2.73			44	3	16	24			1.65	1.35	1.80				-3.23	7.60	
30.896	102.536	-2.21	-3.18			44	2	15	23			1.65	1.40	1.75				-3.32	7.35	
30.883	102.443	-2.26	-2.67			43	3	16	24			1.90	1.30	1.60				-3.23	7.39	
30.871	102.349	-1.72	-2.72			43	3	16	24			1.65	1.30	1.75				-3.26	7.54	
30.858	102.255	-1.64	-2.55			43	3	16	24			1.60	1.20	1.65				-3.25	7.38	
30.845	102.160	-2.31	-2.94			44	2	15	23			1.60	1.25	1.65				-2.97	7.61	
30.830	102.049	-2.33	-2.77			44	2	15	23			1.60	1.06	1.60				-2.94	7.60	
30.818	101.954	-2.32	-2.87			43	4	16	24			1.75	1.25	1.60				-3.02	7.53	↓

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 13

REFERENCE						ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
30.804	101.859	-2.34	-3.09			45	2	14	22			1.70	1.10	1.60				-3.22	7.42	f
30.793	101.763	-1.73	-2.69			47	0	13	20			1.60	1.15	1.60				-3.26	7.38	
30.780	101.668	-2.31	-3.13			48	-1	12	20			1.65	1.20	1.60				-3.29	7.46	
30.767	101.574	-2.29	-2.81			48	-1	12	20			1.95	1.30	1.60				-2.88	7.49	
30.755	101.478	-2.30	-2.82			46	1	14	22			1.85	1.30	1.60				-2.89	7.55	
30.744	101.384	-2.26	-2.72			44	4	17	24			1.60	1.30	1.60				-2.74	7.49	
30.733	101.289	-2.25	-3.09			43	5	18	26			1.65	1.40	1.65				-3.26	7.43	
30.721	101.193	-2.27	-3.22			43	5	19	26			1.54	1.54	1.60				-3.51	7.41	
30.715	101.102	-2.28	-3.33			42	6	20	27			1.60	1.60	1.60				-3.42	7.33	
30.703	101.009	-2.25	-2.38			42	6	20	27			1.80	1.40	1.60				-2.51	7.47	
30.698	100.913	-2.28	-2.70			42	7	20	28			1.90	1.60	1.60				-3.00	7.34	
30.688	100.819	-2.29	-3.05			42	7	20	28			1.90	1.60	1.60				-2.95	7.31	
30.680	100.723	-1.62	-2.99			42	7	21	28			1.90	1.50	1.60				-3.15	7.36	
30.672	100.627	-2.33	-2.80			42	7	21	28			1.90	1.55	1.70				-3.27	7.41	
30.666	100.533	-2.41	-3.63			44	5	19	27			1.80	1.60	1.90				-3.81	7.07	
30.657	100.436	-2.43	-3.58			44	5	19	27			1.60	1.60	1.90				-3.66	7.17	
30.648	100.341	-2.43	-3.63			44	6	20	27			1.78	1.66	1.72				-3.57	7.18	
30.640	100.245	-1.18	-2.34			43	7	21	29			1.90	1.90	1.90				-3.49	7.21	
30.632	100.149	-2.45	-3.56			44	6	20	28			1.90	1.90	1.90				-3.62	7.20	
30.625	100.052	-2.43	-3.26			45	6	21	28			1.90	1.90	1.70				-3.69	7.18	
30.617	99.956	-2.42	-3.71			45	6	20	27			1.90	1.90	1.85				-3.78	7.11	
30.609	99.859	-2.46	-3.80			45	6	20	28			1.90	1.90	1.90				-4.13	7.02	
30.599	99.762	-2.46	-4.14			45	6	20	28			1.90	1.90	1.90				-4.24	7.10	
30.581	99.667	-2.47	-3.30			45	6	20	28			1.85	1.90	1.90				-3.97	7.10	
30.565	99.570	-2.48	-4.16			46	6	20	27			1.75	1.90	1.90				-4.04	7.07	
30.549	99.475	-2.46	-3.72			47	6	20	28			1.70	1.90	1.95				-3.95	7.15	
30.532	99.379	-2.45	-4.12			45	7	21	29			1.60	1.75	1.95				-4.18	7.01	
30.516	99.282	-2.45	-3.92	-3.04		45	7	21	29	-7		1.70	1.65	1.95	.40			-4.16	7.04	
30.499	99.185	-2.45	-4.26	-3.70		44	8	22	30	-7		1.60	1.60	2.05	1.15			-4.40	7.04	
30.482	99.089	-2.46	-4.11	-3.23		45	7	22	30	-8		1.60	1.90	2.20	1.10					
30.464	98.993	-1.89	-3.75	-3.14		46	7	22	30	-9		1.60	1.90	2.20	.90			-4.48	-3.00	
30.447	98.896	-2.44	-4.24	-3.19		46	7	22	29	-9		1.60	2.10	2.20	.50			-4.47	-3.26	
30.430	98.798	-1.91	-3.93	-3.17		46	7	22	29	-9		1.55	2.15	2.10	.85			-4.56	-3.28	
30.412	98.701	-2.42	-4.26	-3.13		47	7	22	28	-9		1.55	2.20	2.20	.70			-4.38	-3.16	
30.395	98.604	-2.38	-4.50	-3.07		47	8	23	29	-9		1.90	2.40	2.20	.70			-4.37	-3.17	
30.377	98.508	-2.37	-4.03	-3.18		47	8	23	28	-9		1.90	2.25	2.15	.65			-4.40	-3.25	
30.359	98.410	-2.37	-4.12	-3.11		48	8	22	28	-9		1.90	2.20	2.10	1.00			-4.00	-3.19	
30.347	98.311	-1.85	-3.58	-3.17		48	8	22	28	-9		2.20	2.15	2.35	1.15			-4.14	-3.18	
30.340	98.212	-2.40	-4.31	-3.78		48	8	22	28	-9		2.15	2.15	2.20	.95			-4.27	-3.24	
30.333	98.113	-2.42	-4.49	-3.18		49	7	21	27	-9		1.90	2.15	2.20	.90			-4.16	-3.29	
30.326	98.013	-2.43	-4.48	-3.77		49	8	22	28	-9		1.90	2.20	1.90	.65			-4.51	-3.27	
30.319	97.914	-1.90	-4.17	-3.22		49	8	22	27	-9		1.90	1.95	2.10	.70			-4.85	-3.32	
30.311	97.816	-2.45	-4.36	-3.16		49	8	22	27	-9		2.00	2.10	2.20	.60			-4.75	-3.22	
30.303	97.717	-2.46	-4.49	-3.16		49	8	22	27	-9		1.90	2.20	2.20	.75			-4.95	-3.23	
30.295	97.618	-2.46	-5.02	-3.84		50	8	23	27	-9		1.90	2.20	2.20	.90			-5.00	-3.30	
30.286	97.519	-2.44	-4.46	-3.15		50	7	22	26	-9		1.90	2.20	2.20	1.00			-4.81	-3.27	
30.279	97.420	-1.87	-4.12	-3.20		49	8	23	27	-8		1.90	2.20	2.20	1.20			-4.62	-3.26	
30.278	97.322	-2.43	-4.43	-3.17		48	10	24	28	-7		1.90	2.40	2.20	.95			-4.66	-3.25	
30.278	97.224	-2.41	-4.30	-3.08		50	9	23	27	-8		1.90	2.30	2.15	.95			-4.67	-3.18	

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 13

REFERENCE						ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
30.281	97.127	-2.41	-4.23	-3.08		51	8	23	26	-9		1.90	2.45	2.20	1.15			-4.65	-3.23	
30.284	97.028	-2.41	-4.39	-3.07		51	7	22	25	-9		1.90	2.50	2.15	1.15			-4.72	-3.14	
30.288	96.931	-1.72	-4.60	-3.60		53	6	21	24	-10		1.90	2.25	2.20	1.05			-4.89	-3.16	
30.287	96.832	-2.40	-4.81	-3.53		55	4	19	21	-12		1.90	2.32	2.20	1.00			-4.64	-3.01	
30.285	96.733	-1.34	-4.23	-2.91		56	3	18	20	-13		1.95	2.20	2.15	.80			-4.88	-3.00	
30.283	96.634	-2.39	-4.65	-2.90		57	2	17	19	-14		2.05	2.20	2.15	.75			-5.02	-3.07	
30.281	96.535	-2.41	-4.70	-2.97		61	-2	13	15	-18		1.95	2.20	2.20	.45			-5.21	-3.05	
30.279	96.436	-2.41	-4.53	-2.99		61	-2	13	15	-18		1.90	2.20	2.15	.60			-5.69	-3.11	
30.275	96.339	-2.41	-4.56	-2.89		60	-1	15	16	-17		1.90	2.15	2.20	1.00			-5.17	-3.04	
30.277	96.246	-2.40	-2.41	-2.80		58	2	17	18	-14		1.90	2.20	2.30	1.10			-3.37	-2.95	
30.287	96.150	-2.39	-3.40	-2.80		55	5	20	21	-11		1.90	2.20	2.20	1.20			-3.40	-2.87	
30.296	96.054	-2.40	-3.73	-2.74		54	7	22	22	-10		1.90	2.20	2.20	1.30			-4.02	-2.94	
30.303	95.958	-1.84	-3.29	-2.74		52	8	23	23	-8		1.90	2.20	1.90	1.20			-3.81	-2.90	
30.304	95.863	-2.39	-3.43	-2.77		51	9	24	24	-7		1.90	2.20	1.90	1.05			-4.03	-2.92	
30.302	95.764	-2.36	-4.01	-2.77		51	10	26	25	-7		1.90	2.20	2.00	1.05			-4.48	-2.90	
30.305	95.667	-2.35	-4.02	-2.83		49	11	27	25	-5		1.90	2.20	2.15	1.45			-4.28	-2.87	
30.313	95.572	-2.35	-5.54	-3.33		49	12	28	25	-4		2.00	2.45	1.90	1.55			-4.97	-2.88	
30.321	95.475	-2.34	-4.62	-2.70		48	13	29	26	-3		2.05	2.40	1.90	1.35			-4.98	-2.86	
30.322	95.379	-2.35	-4.11	-2.58		48	13	29	26	-3		1.90	2.25	1.75	.90			-4.73	-2.74	
30.299	95.281	-2.34	-4.18	-2.59		48	15	30	27	-2		2.05	2.20	1.75	1.10			-4.64	-2.72	
30.282	95.181	-2.33	-4.60	-2.50		47	15	31	27	-1		2.20	2.20	1.90	1.30			-4.51	-2.60	

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 14

REFERENCE		ONI-7000#1																TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ	
30.408	88.952	-1.22	-2.09	-1.36		59	19	28	2	0		2.63	2.50	2.00	2.40			-1.72	-1.37		
30.449	88.906	-1.10	-1.94	-1.36		59	19	27	2	-0		2.90	2.50	1.90	2.20			-2.36	-1.39		
30.489	88.859	-1.60	-2.31	-1.33		57	21	29	4	2		2.70	2.90	1.90	2.05			-2.68	-1.38		
30.520	88.804	-1.56	-2.30	-1.38		58	20	28	3	1		2.50	2.90	1.80	2.05			-2.73	-1.43		
30.551	88.741	-1.84	-2.59	-1.29		58	20	28	3	1		2.50	2.90	1.85	1.90			-2.91	-1.38		
30.577	88.677	-1.75	-2.52	-.68		57	21	28	3	2		2.45	2.90	1.65	2.20			-2.80	-1.20		
30.607	88.613	-1.60	-2.35	-1.08		58	20	27	2	1		2.40	2.90	1.85	2.05			-2.65	-1.09		
30.638	88.547	-2.50	-3.30	-.71		59	20	26	2	1		2.25	2.90	1.75	2.10			-2.92	-1.08		
30.669	88.478	-1.70	-2.49	-.99		58	21	26	2	1		2.20	2.50	1.90	2.15			-2.62	-.98		
30.702	88.407	-1.60	-2.42	-.94		56	23	27	3	3		2.20	2.50	1.90	2.02			-2.50	-.94		
30.722	88.322	-1.64	-2.44	-.86		55	24	27	4	5		1.95	2.50	1.90	1.90			-2.74	-.90		
30.728	88.225	-1.48	-2.34	-.90		55	25	27	4	5		2.20	2.50	1.85	2.15			-2.67	-.90		
30.735	88.123	-1.75	-2.71	-.93		57	23	25	1	3		2.45	2.45	1.60	2.05			-2.88	-.87		
30.743	88.024	-1.70	-2.82	-.79		57	23	24	1	3		2.35	2.20	1.55	2.00			-2.18	-.70		
30.753	87.922	-1.89	-2.95	-.98		57	23	24	1	3		2.20	2.35	1.50	1.90			-2.31	-.76		
30.761	87.822	-.58	-1.97	-.98		57	24	24	1	3		2.20	2.50	1.60	1.90			-1.86	-.84		
30.768 k	87.718 k	-1.29 k	-2.32 k	.01		56 k	25 k	25 k	2 k	4 k		2.20 k	2.50 k	1.60 k	1.72 k			-2.64 k	-.66 k		
30.807	87.114	.35	-1.15	.37	1.47	63	21	15	-8	-3	-2	2.20	2.20	1.06	1.60	1.84		-.41	.47		
30.812	87.012	1.14	-.19	.55	1.44	63	22	15	-8	-3	-2	2.20	2.20	1.30	1.60	1.65		-.64	.59		
30.816	86.910	.44	-1.11	1.20	1.95	64	22	13	-10	-3	-2	2.20	2.15	1.35	1.75	1.60		-.69	.79		
30.820	86.807	.95	-.37	1.32	2.05	64	22	13	-10	-3	-2	2.20	2.05	1.20	1.90	1.60		-.66	.88		
30.825	86.707	1.08	-.29	.89	1.47	64	23	12	-10	-2	-2	2.10	2.00	1.15	2.10	1.80		-.58	.93		
30.826	86.602	.77	-.81	1.06	1.37	63	25	12	-10	-1	-1	2.20	1.96	.94	2.32	1.66		-.90	1.10		
30.826	86.502	1.45	.05	.88	1.53	63	26	12	-11	0	0	2.20	1.90	.50	2.50	1.65		-.33	.96		
30.823	86.399	1.27	-.21	.86	1.45	63	27	11	-10	0	0	2.35	1.70	.90	2.40	1.60		-.21	.96		
30.822	86.295	1.33	-.32	.81	1.44	65	26	9	-12	-2	-2	2.45	1.70	1.00	2.20	1.75		-.57	.88		
30.818	86.193	.49	-.97	1.03	1.30	65	27	9	-13	-2	-2	2.20	1.90	1.10	1.95	1.60		-.32	1.15		
30.815	86.089	.92	-.36	1.23	1.32	65	28	9	-14	-2	-2	2.20	1.90	1.00	2.10	1.60		-.61	1.26		
30.813	85.986	.09	-1.05	1.65	1.78	66	27	8	-15	-2	-2	2.20	2.00	.50	2.30	1.60		-.80	1.28		
30.809	85.882	-.43	-.73	1.25	1.24	65	29	7	-15	-2	-2	2.77	2.35	1.40	2.50	1.85		-1.16	1.31		
30.807	85.780	.31	-1.74	1.23	1.18	65	30	7	-15	-2	-2	2.90	2.45	1.60	2.50	1.90		-1.33	1.35		
30.803	85.677	.31	-1.27	1.31	1.20	66	31	7	-15	-2	-3	2.95	2.50	1.75	2.50	1.90		-1.66	1.38		
30.803	85.574	-.15	-1.96	1.09	1.83	67	31	5	-17	-3	-3	3.20	2.50	1.20	2.57	1.95		-1.79	1.02		
30.800	85.474	.59	-1.40	.74	1.10	68 b	32 b	3 b	-18	-4 b	-4 b	3.20	2.50	1.05	2.50	1.90		-1.90	.79		
30.797	85.368	.32	-1.95	.92	1.10	68	34	3	-18	-4	-4	3.20	2.70	1.30	2.83	2.15		-2.29	1.06		
30.795	85.267	1.11	c	1.13	1.10	71	32	0	c	-6	-7	3.40	2.90	c	2.90	2.10		-1.66	1.30		
30.791	85.162	.85		1.84	1.72	71	33	0		-6	-6	3.70	2.90		2.90	2.20		-1.38	1.60		
30.771	85.065	2.01		1.25	.76	69	34	1		-4	-4	3.80	2.77		2.90	2.50		-.87	1.92		
30.738	84.968	2.21		1.82	1.16	68	33	2		-3	-3	3.45	2.50		2.90	2.20		-.04	2.40		
30.708	84.869	2.19		1.31	.82	66	33	3		-0	-1	3.20	2.45		2.90	2.20		.11	1.73		
30.678	84.769	2.34		1.43	.93	66	32	3		0	0	3.20	2.50		2.90	2.20		.14	1.77		
30.647	84.670	2.52		2.01	1.69	66	30	3		0	0	3.20	2.50		2.90	2.05		.48	2.51		
30.617	84.572	2.49		2.14	1.07	65	29	4		1	1	3.00	2.50		2.90	2.15		.45	2.58		
30.587	84.473	2.48		2.36	1.32	66	28	2		1	0	2.90	2.50		2.90	2.40		.29	2.56		
30.559	84.374	2.37		2.84	1.69	66	27	2		1	0	2.90	2.50		2.90	2.40		.23	2.45		
30.550	84.271	2.47		1.97	1.14	63	29	5		3	4	2.90	2.35		2.77	2.20		.10	2.37		
30.549	84.168	2.45		1.98	1.77	60	30	7		6	6	3.10	2.20		2.63	2.20		.00	2.41		
30.552	84.066	2.45		2.06	.91	59	30	8		8	8	3.10	2.20		2.90	2.20		.06	2.30		
30.554	83.963	2.36		1.81	.90	58	31	9		9	9	2.90	2.20		2.90	2.20		-.13	2.16		

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 14

REFERENCE		ONI-7000#1															TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
30.557	83.861	2.29		1.71	.92	58	30	8		9	9	2.90	2.20		2.70	2.20		-.20	1.89	
30.559	83.758	2.19		1.47	.93	58	29	8		9	9	2.90	2.20		2.57	2.20		-.34	1.81	
30.560	83.656	2.23		2.11	1.41	58	29	8		10	10	3.02	2.20		2.58	2.20		-.29	1.76	
30.556	83.553	2.26		1.40	.33	56	30	10		12	12	2.90	2.20		2.50	2.20		-.15	1.79	
30.550	83.450	2.27		1.37	.29	57	29	9		12	12	2.90	2.20		2.50	2.20		-.13	1.67	
30.542	83.347	2.27		1.27	.07	57	28	8		11	11	2.90	2.20		2.50	2.20		-.23	1.39	
30.533	83.245	2.25		.98	.36	57	28	8		12	11	2.90	2.20		2.57	2.20		-.29	1.45	
30.525	83.142	2.27		1.16	.07	57	27	8		12	11	2.90	2.25		2.83	2.05		-.27	1.42	
30.517	83.040	2.24		1.68	.10	56	28	9		14	12	3.10	2.30		3.05	2.10		-.33	1.42	
30.511	82.937	2.20		1.26	-.37	56	27	9		14	13	3.10	2.50		2.90	2.20		-.40	1.48	
30.507	82.833	2.17		1.35	-.42	55	29	11		16	15	3.20	2.50		3.15	2.10		-.47	1.70	
30.504	82.732	2.13		1.70	-.06	55	27	9		15	14	3.20	2.50		3.20	1.90		-.58	1.30	
30.501	82.628	2.08		.88	-.56	56	25	7		13	12	3.20	2.50		3.20	1.85		-.69	1.12	
30.556	82.576	2.02		-.08	-1.14	58	23	5		12	11	2.45	2.05		3.20	2.00		-.51	-.16	
30.628	82.567	1.93		-.32	-.35	58	24	6		12	11	2.63	2.10		3.05	2.20		-.63	-.13	
30.700	82.564	1.99		.11	-.91	57	25	7		13	12	2.90	2.20		2.90	2.20		-.32	.26	
30.773	82.564	1.95		.49	-.19	58	24	6		12	12	3.10	2.20		2.90	2.10		-.31	.31	
30.846	82.565	1.94		.26	-.22	57	25	7		13	13	3.20	2.20		2.90	2.00		-.33	.22	
30.919	82.565	1.98		.09	-.75	57	25	7		13	13	2.90	2.30		2.90	2.05		-.27	.05	
30.992	82.566	1.97		-.46	-.93	58	24	6		12	12	2.90	2.50		2.90	2.20		-.21	-.21	
31.063	82.564	1.94		-.09	-.22	58	24	6		11	13	2.90	2.25		2.90	2.15		-.13	.12	
31.136	82.564	1.96		-.29	-.28	58	24	6		11	13	3.10	2.20		2.90	2.20		-.27	-.10	
31.210	82.563	2.06		-.87	.50	62	21	3		8	10	3.20	2.45		2.90	2.20		-.39	-.18	
31.283	82.553	2.04		.61	.91	60	22	4		9	11	3.20	2.40		2.90	2.20		-.25	.81	
31.356	82.536	2.03		.99	1.10	60	21	4		9	11	3.20	2.45		2.90	2.20		-.26	.96	
31.429	82.519	1.99		1.33	1.13	59	22	5		9	12	3.20	2.50		2.95	2.30		-.20	1.24	
31.504	82.505	2.01		.92	.76	61	19	2		6	10	3.50	2.93		3.20	2.83		.01	.58	
31.575	82.478	2.02		.93	1.98	60	21	4		7	11	4.05	3.45		3.05	2.57		-.10	.96	
31.638	82.418	1.99		.68	.72	60	21	5		8	12	4.10	3.45		3.15	2.77		.17	.77	
31.705	82.366	2.00		.40	.68	59	22	6		9	13	3.80	3.20		3.35	2.90		.32	.47	
31.772	82.317	2.00		.40	.69	62	18	2		6	10	3.70	3.20		3.50	2.90		.37	.40	
31.842	82.269	2.07		-.17	.67	61	18	2		6	10	3.45	3.20		3.30	2.77		.45	-.21	
31.909	82.216	2.09		.04	1.59	60	19	3		6	11	3.20	3.05		3.20	2.50		.54	.43	
31.976	82.167	2.02		-.37	.60	59	20	4		6	13	3.20	2.90		3.00	2.40		.63	-.31	
32.041	82.108	2.05		-.33	1.69	61	17	2		4	11	3.20	2.90		2.77	2.45		.73	-.55	
32.107	82.055	2.14		-1.98	.51	60	19	4		5	13	3.30	2.90		2.57	2.50		.67	-1.80	
32.172	81.998	2.16		-2.19	.04	59	19	4		5	14	3.45	2.90		2.50	2.50		.78	-2.39	
32.235	81.939	2.19		-2.21	.23	59	19	3		5	14	3.25	2.90		2.77	2.83		.79	-2.15	
32.300	81.881	2.20		-2.14	.23	60	18	3		5	14	3.20	2.90		2.83	2.50		.72	-2.12	
32.364	81.825	1.92		-1.33	.22	58	19	4		6	15	3.20	2.90		2.90	2.50		.67	-1.20	
32.432	81.771	1.91		-.79	.10	59	18	3		5	14	3.20	2.77		2.90	2.50	2.16			.84
32.500	81.718	1.94		-1.00	-.15	59	18	3		5	15	3.20	2.90		2.90	2.70	2.13			.54
32.567	81.666	1.95		-1.24	-.67	59	18	3		5	15	3.20	2.90		2.70	2.50	2.09			-.21
32.635	81.614	1.98		-1.25	-.10	58	18	4		5	16	3.20	2.83		2.50	2.50	2.12			-.36
32.703	81.558	1.90		-1.23	-.02	61	15	1		2	13	3.20	2.90		2.50	2.44	2.05			-1.13
32.771	81.501	1.80		-1.34	-.53	59	18	3		5	16	3.20	2.90		2.45	2.50	1.95			-.89
32.837	81.442	1.79		-1.15	-1.05	59	17	2		4	16	3.20	2.77		2.63	2.50	1.95			-.14
32.905	81.387	1.72		-1.03	-.62	59	17	2		5	17	3.20	2.50		2.57	2.50	1.95			-1.38
32.972	81.327	1.79		-1.16	-.80	59	16	1		4	17	3.20	2.50		2.90	2.50	1.97			-.73

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 14

REFERENCE		ONI-7000#1															TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
33.028	81.251	1.74		-.79	-.71	58	16	1		5	18	3.20	2.70		2.25	2.30	1.90			-.68
33.070	81.161	1.73		-1.07	-.80	60	15	-1		4	17	3.20	2.50		2.50	2.50	2.00			-1.00
33.116	81.072	1.92		-1.00	-.32	57	17	2		6	20	3.20	2.45		2.50	2.50	2.08			-.91
33.163	80.986	1.96		-1.17	-1.04	59	15	-1		5	19	3.20	2.20		2.50	2.50	2.11			-.89
33.213	80.900	1.89		-.98	-.94	59	15	-1		5	20	3.20	2.20		2.63	2.57	2.08			-1.17
33.262	80.815	1.83		-.92	-.08	59	14	-1		4	20	3.20	2.30		2.50	2.70	2.16			-.63
33.310	80.728	1.86		-.90	-1.04	57	16	1		6	22	3.20	2.30		2.63	2.90	2.04			-.62
33.360	80.644	1.87		-.82	-.87	58	15	-1		5	22	3.20	2.20		2.45	2.90	2.06			-.40
33.410	80.560	1.87		-.62	.34	58	14	-1		5	22	3.20	2.10		2.50	2.90	2.02			-.28
33.459	80.474	1.84		-.79	-.23	59	13	-3		4	22	3.00	1.95		2.57	2.90	2.04			.00
33.516	80.399	1.77		-1.24	-.92	56	16	1		6	25	2.90	2.05		2.90	3.15	1.94			-.92
33.580	80.333	1.66		-1.03	-.17	58	13	-2		4	22	3.05	2.05		2.57	2.95	1.86			-.25
33.644	80.266	1.62		-1.17	-.17	57	14	-2		4	24	3.20	2.10		2.50	2.90	1.85			-.25
33.707	80.199	1.72		-1.13	.00	58	13	-3		4	24	3.20	2.15		2.50	2.77	1.94			-.05
33.770	80.132	1.78		-1.17	-.31	58	13	-4		4	24	3.20	2.25		2.50	2.90	2.02			-.09
33.833	80.062	1.84		-1.23	-.14	59	12	-5		3	24	3.15	2.30		2.50	2.90	2.00			-.03
33.897	79.996	1.83		-1.25	.47	57	13	-4		4	25	3.15	2.15		2.50	2.90	2.08			.13
33.962	79.930	1.93		-1.32	.03	58	11	-6		3	25	2.90	1.50		2.50	2.90	2.17			.26
34.027	79.862	1.97		-1.40	.51	57	12	-6		3	26	2.95	1.55		2.30	2.90	2.16			.16
34.086	79.792	1.80		-1.21	.63	58	11	-7		2	25	2.90	1.60		2.50	2.90	2.00			.56
34.153	79.727	1.75		-.80	.59	57	12	-6		3	26	2.90	1.35		2.45	2.90	1.99			.99
34.218	79.661	1.82		-.76	1.07	58	10	-8		2	26	2.90	1.30		2.63	2.90	1.99			.60
34.282	79.593	1.78		-.97	1.09	56	12	-6		3	28	2.90	1.50		2.83	2.90	2.05			.32
34.348	79.526	1.72		-1.35	-.20	58	10	-8		1	26	2.95	1.35		2.57	2.83	2.06			.12
34.407	79.451	1.70		-1.31	.68	57	10	-8		2	27	3.15	1.00		2.50	2.50	1.93			.54
34.467	79.374	1.68		-1.22	.43	58	9	-9		1	27	3.00	1.05		2.50	2.90	1.90			.56
34.533	79.309	1.71		-1.48	.08	58	9	-9		0	28	3.10	.90		2.57	3.12	1.89			.18
34.600	79.245			-1.65	.16	59	8			-1	28	3.20			2.50	3.05	1.86			-.05
34.668	79.182			-1.84	-.06	56	10			2	30	3.10			2.45	2.95	1.86			-.41
34.735	79.118			-1.73	-.11	55	12			4	32	3.00			2.50	2.90	1.92			-.35
34.801	79.051			-1.82	-.66	52	13			6	34	3.10			2.50	3.00	1.92			-.43
34.868	78.986			-1.91	-.32	55	10			3	31	2.96			2.50	3.14	2.06			-.63
34.934	78.920			-1.94	-.69	53	11			4	33	2.70			2.50	2.95				
34.987	78.838			-1.64	.06	54	9			3	32	2.40			2.15	2.48				
34.987	78.725			-1.94	-1.00	54	10			3	32	2.25			1.75	2.42				
34.971	78.613			-2.27	-1.51	56	9			2	31	2.50			1.90	2.50				
34.938	78.507			-1.84	-.94	55	10			2	32	2.83			2.25	2.95				
34.917	78.394			-1.97	-1.00	56	9			2	32	3.10			2.50	3.10				
34.906	78.281			-1.97	-.67	55	10			3	34	3.20			2.40	3.05				
34.894	78.166			-1.71	-.77	56	9			2	33	3.10			2.15	2.57				
34.880	78.053			-1.86	-1.13	58	7			0	32	2.95			2.30	2.75				
34.910	77.933			-2.09	-1.24	57	9			1	34	3.20			3.20	3.40				
34.965	77.878			-2.25	-1.71	55	10			2	34	3.10			3.10	3.15				
35.036	77.816			-2.33	-1.75	56	9			1	33	2.95			2.57	2.90				
35.110	77.765			-2.36	-1.79	55	9			2	34	2.90			2.45	2.90				
35.183	77.712			-2.49	-2.01	56	8			1	32	2.90			2.63	2.90				
35.256	77.653			-2.50	-2.08	55	9			2	32	3.00			2.70	2.77				
35.338	77.581			-2.42	-2.01	55	8			1	31	3.05			2.50	2.83				
35.410	77.522			-2.59	-2.25	54	9			2	32	2.90			2.61	2.90				

WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
35.488	77.471			-2.59	-2.14	55	8			1	30	3.08			2.66	2.90				
35.578	77.416			-2.65	-2.21	55	7			1	30	3.07			2.73	2.90				
35.668	77.356			-2.73	-2.28	54	8			2	30	3.10			2.77	2.90				
35.745	77.305			-2.75	-2.29	54	8			1	30	2.79			2.46	2.53				
35.835	77.245			-2.96	-2.43	53	9			2	30	2.50			2.50	2.45				
35.911	77.193			-2.78	-2.38	53	8			2	30	2.37			2.67	2.50				
36.002	77.133			-2.97	-2.48	53	8			2	29	2.40			2.35	2.50				
36.079	77.080			-2.72	-2.25	54	7			1	28	2.50			2.40	2.50				
36.159	77.029			-2.99	-2.54	52	7			2	29	2.45			2.77	2.50				
36.232	76.973			-2.79	-2.32	51	7			3	30	2.40			2.40	2.57				
36.306	76.914			-2.89	-2.37	53	5			0	27	2.15			2.45	2.50				
36.382	76.856			-2.89	-2.51	52	5			1	27	1.73			2.37	2.41				
36.445	76.750			-2.79	-2.34	53	4			0	26	1.77			2.37	2.33				
36.517	76.661			-2.92	-2.31	53	4			0	27	1.10			2.77	2.45				
36.573	76.594			-3.49	-2.87	54	2			-2	25	1.35			2.83	2.50				
36.647	76.507			-3.22	-2.79	54	2			-1	24	2.15			2.50	2.50				
36.712	76.427			-3.27	-2.82	55	1			-3	23	1.70			2.63	2.40				
36.774	76.349			-3.32	-2.70	53	2			-1	24	1.05			2.35	2.20				
36.837	76.267			-3.44	-2.80	54	1			-2	23	.68			2.20	2.20				
36.901	76.193			-4.09	-3.23	54	1			-2	23	.43			2.15	2.25				
36.983	76.158			-3.60	-3.06	55	1			-4	23	.65			2.20	2.25				
37.076	76.131			-3.48	-2.81	55	2			-3	22	1.10			2.20	2.35				
37.156	76.092			-3.55	-2.91	54	2			-3	22	1.47			2.20	2.50				
37.249	76.040			-3.52	-2.86	54	2			-3	22	1.30			1.35	2.50				
37.317	76.007			-3.31	-2.69	55	0			-4	21	1.65			1.95	2.50				
37.394	75.957			-3.12	-2.52	54	1			-3	22	2.05			1.90	2.45				
37.468	75.896			-3.01	-2.49	55	-0			-5	20	2.00			1.35	2.30				
37.554	75.823			-2.95	-2.33	55	1			-5	20	1.85			1.20	2.20				
37.629	75.762			-3.14	-2.29	54	1			-4	20	1.77			1.51	2.20				
37.717	75.695			-3.01	-2.36	53	1			-3	21	1.45			1.05	2.20				
37.796	75.643			-3.18	-2.31	55	-1			-6	19	1.30			1.10	2.20				
37.861	75.598			-3.12	-2.25	56	-2			-7	17	1.60			1.50	2.20				
37.951	75.533				c	c	55		c	-6	18			c	1.51	2.20				
38.042	75.471						55			-6	18				1.75	2.20				
38.106	75.426						54			-7	19				1.72	2.20				
38.183	75.373						54			-6	18				1.60	2.20				
38.274	75.313						55			-7	18				1.60	2.20				
38.337	75.269						56			-8	17				1.00	2.25				
38.429	75.210						55			-9	16				.83	2.20				
38.520	75.154						55			-8	16				.61	2.20				
38.596	75.107						56			-9	15				.40	2.20				
38.682	75.056						57			-10	14				.07	2.25				
38.746	75.016						57			-11	14				.40	2.35				
38.833	74.965						58			-10.	13				.45	2.40				
38.893	74.924						58			-11	13				.50	2.45				
38.979	74.875						58			-11	13				.40	2.50				
39.066	74.818						58			-12	12				.40	2.40				
39.139	74.769						57			-10	13				.75	2.40				
39.209	74.718						56			-11	14				.83	2.20				

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WINTER STABILITY TABLE - 7980 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
39.291	74.671					58				-13	12				.70	2.40				
39.353	74.619					58				-13	12				.45	2.35				
39.399	74.562					58				-12	12				.40	2.25				

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 1

REFERENCE							ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
39.484	74.634		-1.79			60	-8		14			.95		2.57						
39.522	74.671		-2.09			58	-8		15			1.25		2.88						
39.542	74.600		-.66			58	-8		15			1.50		3.20						
39.551	74.513		-1.09			59	-9		14			1.25		3.20						
39.559	74.424		-1.00			59	-8		14			.90		3.00						
39.567	74.334		-1.10			60	-9		13			.80		2.63						
39.576	74.239		-1.06			60	-10		12			.90		2.50						
39.588	74.143		-.73			59	-9		13			.70		2.50						
39.602	74.041		-.98			58	-9		15			.28		2.45						
39.644	73.958		-1.20			59	-10		14			-.15		2.25						
39.682	73.859		-1.78			59	-10		15			-.35		2.90						
39.722	73.750		-1.13			59	-10		15			-.30		3.05						
39.763	73.640		-.99			59	-10		16			-.40		2.83						
39.827	73.552		-1.37			58	-9		16			-.35		2.50						
39.906	73.462		-1.74			59	-9		15			-.20		2.57						
39.965	73.396		-1.19			59	-9		15			.37		2.90						
40.035	73.315		-1.17			60	-10		15			.50		2.90						
40.105	73.237		-1.11			60	-10		14			.15		2.90						
40.176	73.160		-.77			60	-9		15			-.35		2.90						
40.246	73.081		-.85			60	-10		14			-.07		2.90						
40.318	73.006		-.91			62	-12		12			.13		2.77						
40.391	72.932		-1.06			62	-12		12			-.25		2.83						
40.463	72.857		-1.11			61	-11		13			.48		2.90						
40.534	72.782		-1.01			61	-12		14			.20		2.90						
45.294 h	73.113 h		-.92 h			53 h	-6 h		16 h			.40 h		1.50 h						
45.265	73.221		-.06			54	-7		15			1.00		1.30						
45.237	73.326		-.91			55	-8		15			.95		1.45						
45.209	73.432		-1.00			56	-8		13			1.30		1.30						
45.182	73.539		-.91			56	-8		14			1.20		1.30						
45.155	73.646		-.36			56	-8		15			1.05		1.30						
45.123	73.772		-1.04			56	-8		14			.90		1.30						
45.096	73.879		-1.03			57	-8		13			1.15		1.00						
45.073	73.968		-.39			57	-8		15			1.55		1.30						
45.041	74.093		-1.14			56	-7		16			1.60		1.30						
45.014	74.201		-1.06			56	-6		16			1.75		1.30						
44.994	74.289		-1.16			56	-6		17			1.54		1.30						
44.970	74.397		-1.42			56	-6		18			1.15		1.50						
44.946	74.503		-1.46			57	-6		18			1.20		1.60						
44.923	74.611		-1.43			58	-7		17			1.42		1.84						
44.836	74.630		-.47			56	-6		19			1.69		1.86						
44.748	74.554		-1.22			55	-4		19			1.55		1.45						
44.672	74.491		-1.01			55	-6		19			1.60		1.30						
44.596	74.425		-1.02			56	-8		18			1.64		1.34						
44.510	74.340		-.43			54	-8		21			1.85		1.60						
44.438	74.263		-.97			55	-9		19			1.60		1.30						
44.349	74.214		-1.18			54	-9		20			1.60		1.13						
44.276	74.262		-1.35			56	-9		19			1.80		1.25						
44.192	74.323		-1.34			55	-9		20			1.80		1.30						
44.121	74.377		-.51			57	-10		19			1.90		1.30						

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 1

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
44.046	74.425		-1.20			56	-9		20			1.75		1.30						
43.974	74.478		-1.31			58	-11		20			1.90		1.51						
43.902	74.531		-.79			56	-9		23			1.60		1.60						
43.822	74.601		-1.68			58	-10		21			1.40		1.60						
43.753	74.663		-.96			59	-10		21			1.75		1.70						
43.685	74.726		-1.63			59	-10		22			1.55		1.75						
43.617	74.783		-.65			59	-9		23			.91		1.99						
43.528	74.838		-1.07			60	-9		23			.74		2.20						
43.438	74.889		-1.07			62	-11		22			.40		2.15						
43.373	74.926		-1.62			62	-10		23			.50		2.40						
43.286	74.976		-1.72			64	-10		22			.60		2.50						
43.213	75.025		-1.76			64	-10		22			.50		2.35						
43.140	75.076		-1.87			64	-10		23			.15		2.50						
43.068	75.129		-1.92			65	-11		21			.29		2.46						
43.025	75.229		-1.86			66	-13		21			.45		2.00						
43.026	75.314		-1.89			67	-13		20			.75		2.20						
43.025	75.441		-1.13			69	-15		19			.55		2.25						
43.036	75.543		-1.15			70	-16		19			.65		2.50						
43.073	75.634		-1.89			70	-15		20			.49		2.50						
43.114	75.730		-1.97			69	-14		21			1.04		2.50						
43.120	75.840		-1.95			70	-14		21			1.40		2.10						
43.117	75.930		-2.02			70	-14		22			1.30		2.45						

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 2

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.096	76.226		-2.22			64	-7		31			1.30		3.25						
43.111	76.295		-2.40			68	-11		28			1.40		3.70						
43.134	76.377		-2.61			67	-10		29			1.30		3.50						
43.155	76.466		-2.51			66	-8		31			1.20		3.50						
43.153	76.553		-2.33			68	-11		29			1.15		3.25						
43.148	76.639		-2.31			68	-11		29			1.05		3.40						
43.148	76.727		-2.49			69 b	-12		29			1.20		3.70						
43.147	76.821		-2.41			70	-12		28			1.55		3.50						
43.148	76.914		-2.19			71	-13		27			1.45		3.75						
43.149	77.007		-3.03			69	-11		29			1.70		3.55						
43.150	77.100		-2.81			70	-11		28			1.75		3.55						
43.148	77.193		-3.18			69	-10		28			1.80		3.50						
43.147	77.286		-3.34			71	-12		26			1.75		3.50						
43.146	77.379		-2.67			70	-11		26			1.90		3.50						
43.146	77.472		-4.21			69	-10		26			1.60		3.35						
43.145	77.566		-2.90			69	-10		25			1.30		3.20						
43.145	77.660		-3.00			69	-10		25			1.30		3.20						
43.158	77.751		-3.37			70	-11		23			1.30		3.50						
43.183	77.838		-3.22			68	-8		24			1.50		3.25						
43.207	77.927		-3.72			69	-9		22			1.50		3.20						
43.220	78.015		-2.85			69	-9		22			1.30		3.20						
43.237	78.106		-1.97			69	-9		21			1.15		3.20						
43.260	78.193		-1.79			68	-7		21			1.30		3.20						
43.299	78.270		-2.59			65	-4		24			1.35		3.10						
43.340	78.345		-2.35			63	-2		25			1.35		3.20						
43.367	78.430		-2.44			59	2		29			1.30		3.10						
43.378	78.523		-2.45			57	5		31			1.30		2.90						
43.386	78.615		-1.88			56	7		32			1.35		3.15						
43.397	78.710		-2.13			55	7		32			1.30		3.20						
43.408	78.804		-2.34			54	8		32			1.60		3.20						
43.429	78.890		-2.38			55	7		31			1.80		3.15				-2.30	-2.82 f	
43.473	78.956		-1.97			53	9		32			1.85		2.90				-2.12	-8.04	
43.515	79.020		-2.23			54	9		32			1.55		3.15				-2.11	-8.01	
43.560	79.087		-1.18			53	10		32			1.55		3.20				-1.61	-8.22	
43.604	79.163		-1.81			54	9		31			1.45		3.20				-1.65	-8.20	
43.647	79.240		-1.77			54	9		30			1.35		3.20				-1.65	-8.21	
43.697	79.315		-1.96			54	9		30			1.55		3.20				-2.03	-7.92	
43.749	79.386		-2.53			54	10		30			1.45		3.20						
43.799	79.459		-2.28			54	10		30			1.55		3.10						
43.846	79.537		-2.48			54	9		29			1.45		3.20			3.60	-1.96		
43.895	79.611		-2.40			54	9		28			1.40		3.05			3.62	-2.67		
43.942	79.688		-2.85			55	8		27			1.20		3.00			3.62	-2.48		
43.990	79.766		-1.98			56	7		26			1.45		3.10			3.67	-2.33		
44.037	79.843		-1.79			55	8		26			1.30		2.90			4.03	-1.98		
44.086	79.914		-.17			55	8		26			1.55		2.90			4.56	-.59		
44.139	79.992		-1.49			55	9		27			1.50		2.90			4.33	-1.20		
44.184	80.069		-1.49			54	9		26			1.30		2.90			4.30	-1.15	3.44	
44.225	80.154		-.98			56	8		24			1.25		2.90				-1.11	3.27	
44.266	80.240		-1.33			55	8		24			1.45		2.77				-1.20	3.41	

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 2

REFERENCE							ONI-7000#1										TDL-711		
LAT	LONG	TD BIAS uS			ATM NOISE	SNR dB					ECD uS					TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
44.307	80.325		-.65			54	9		25			1.60		2.90				-.89	3.40	
44.347	80.411		-1.30			55	8		24			1.60		2.90				-1.26	3.17	
44.389	80.497		-1.48			54	9		24			1.45		2.70				-1.39	3.34	
44.432	80.583		-1.51			54	9		23			1.55		2.50				-1.46	3.31	
44.481	80.661		-1.30			55	8		22			1.40		2.45				-1.30	3.20	
44.531	80.739		-1.59			55	8		22			1.30		2.40				-1.24	3.14	
44.581	80.818		-1.21			54	9		23			1.40		2.50				-1.24	3.18	
44.629	80.899		-.95			54	9		23			1.55		2.57				-1.25	3.25	
44.679	80.980		-2.02			54	9		23			1.40		2.90				-1.67	2.88	
44.727	81.060		-1.24			55	8		22			1.45		2.77				-1.48	3.00	
44.776	81.141		-1.30			56	8		21			1.40		2.83				-1.33	2.78	
44.825	81.223		-1.16			55	9		22			1.35		2.90				-1.36	2.69	
44.869	81.309		-.39			54	10		21			1.50		2.63				-.78	2.14	
44.912	81.392		-.12			54	10		20			1.65		2.45				.02	1.80	
44.960	81.477		.08			54	10		20			1.60		2.20				.10	1.72	
45.012	81.557		.09			53	11		21			1.60		2.45				.06	1.65	
45.059	81.643		.24			53	11		21			1.60		2.50				-.17	1.31	
45.106	81.728		-.13			52	12		22			1.60		2.50				-.18	1.37	
45.153	81.813		.03			53	11		21			1.65		2.50				-.24	1.27	
45.204	81.892		-.64			53	11		20			1.85		2.50				-.37	1.12	
45.255	81.969		-.36			52	12		21			1.55		2.50				-.35	1.25	
45.303	82.050		-.55			54	10		19			1.45		2.50				-.55	1.24	
45.348	82.134		-.45			53	11		20			1.60		2.45				-.57	.90	
45.392	82.218		-.76			52	12		20			1.60		2.50				-.62	.66	
45.438	82.303		-.25			53	11		19			1.60		2.25				-.60	.57	
45.485	82.385		-.30			52	12		19			1.55		2.20				-.07	1.03	
45.531	82.469		-.20			52	12		19			1.60		2.20				-.26	.88	
45.574	82.555		-.61			53	12		19			1.60		2.20				-.68	.30	
45.614	82.642		-.63			53	11		18			1.55		2.20				-.66	.07	
45.656	82.729		-.40			52	12		19			1.55		2.20				-.71	.35	
45.697	82.816		-.82			52	12		18			1.45		2.35				-.79	.32	
45.738	82.904		-.61	-.10		53	11		17	-2		1.40		2.20	-3.50			-.89	.25	
45.776	82.993		-.95	.16		52	12		18	-1		1.60		2.20	-2.95			-.86	.25	
45.816	83.083		-1.14	.30		52	12		18	-0		1.60		2.20	-2.80			-.88	.31	
45.854	83.173		-.60	.33		52	12		18	0		1.66		2.26	-2.68			-.95	.29	
45.895	83.261		-.72	.63		52	11		18	0		1.60		2.50	-2.30			-.86	.54	
45.935	83.352		-1.18	.42		51	12		18	1		1.60		2.45	-1.85			-1.20	.49	
45.977	83.440		-1.59	.37		51	12		18	2		1.60		2.20	-1.60			-1.35	.26	
46.022	83.526		-1.31	.47		51	12		17	3		1.60		2.20	-1.20			-1.42	.33	
46.074	83.606		-1.23	.81		51	12		17	3		1.60		2.20	-1.20			-1.32	.56	
46.122	83.689		-1.36	.77		51	12		17	3		1.35		2.20	-1.05			-1.48	.45	
46.166	83.776		-1.61	.53		50	13		18	4		1.45		2.20	-.60			-1.70	.46	
46.208	83.866		-1.37	.55		51	12		17	3		1.70		2.20	-.07			-1.54	.42	
46.248	83.959		-1.95	.12		51	12		16	4		1.70		2.20	.80			-2.06	.32	
46.289	84.052		-2.22	.34		51	12		16	4		1.70		2.20	.45			-2.48	.24	
46.330	84.143		-2.09	-.05		52	12		16	4		1.60		2.20	.27			-1.65	.13	
46.372	84.228		.08	.43		51	12		16	4		1.80		2.25	.40			.08	.12	
46.409	84.319		-.19	.91		52	11		14	4		1.80		2.30	.40			-.04	-.23	
46.420	84.427		-.19	.31		52	11		14	3		1.25		2.15	.40			-.31	.26	

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 2

REFERENCE						ONI-7000#1												TDL-711		
LAT	LONG		TD BIAS uS			ATM NOISE		SNR dB					ECD uS					TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.418	84.534		.27	-1.20		52	11		14	3		1.75		2.40	.33			-.13	-1.00	
46.430	84.641		.01	-1.06		52	11		14	4		1.85		2.50	-.30			.03	-1.15	
46.441	84.749		-.03	-.30		52	11		14	4		1.55		2.20	-.30			-.18	-.08	
46.448	84.857		-.12	-.37		52	11		14	5		1.25		1.90	.13			.05	-.13	
46.454	84.965		.22	-.05		52	12		13	5		1.40		1.80	.33			.05	-.12	
46.460	85.074		-.31	-.21		52	12		13	5		1.60		1.60	-.03			.02	-.15	
46.467	85.183		.09	.34		51	12		13	6		1.60		1.70	-.15			-.09	.44	
46.467	85.292		.28	-.08		52	11		12	5		1.60		1.95	-.15			.16	-.07	
46.470	85.400		.19	-.32		53	11		12	4		1.60		2.15	-.20			-.01	.16	
46.472	85.509		.20	.47		53	11		12	4		1.60		2.50	-.10			.19	.14	
46.473	85.617		.06	-.35		52	11		12	6		1.55		2.50	-.20			.44	-.33	
46.476	85.726		.23	-.21		53	10		11	5		1.25		2.50	-.50			.51	-.59	
46.480	85.835		.32	-.10		53	10		10	5		1.20		2.20	-.35			.39	-.35	
46.484	85.947		.54	.34		53	11		11	7		1.20		2.10	-.30			.33	.37	
46.483	86.057		.78	-.15		52	11		10	7		1.30		2.05	-.30			.42	.08	
46.480	86.165		.49	-.32		52	12		10	7		1.20		2.20	.02			.46	-.29	
46.479	86.276		.91	-.53		52	12		10	7		1.45		2.20	-.03			.63	-.43	
46.479	86.387		.50	-.64		53	11		9	6		1.30		2.15	-.50			.46	-.34	
46.477	86.498		.57	-.45		53	11		9	6		1.35		2.35	-.70			.33	-.46	
46.476	86.608		.44	-.23		53	10		9	7		1.50		2.50	-.60			.16	-.51	
46.487	86.716		.31	-.53		53	10		9	7		1.45		2.52	-.60			.19	-.49	
46.496	86.823		.21	-.71		53	11		9	8		1.25		2.25	-.60			.19	-.44	
46.509	86.929		.30	.11		53	10		8	8		1.20		2.15	-.55			.24	-.09	
46.520	87.037		.18	-.36		52	11		9	9		1.05		2.05	-.60			.39	.29	
46.530	87.144		.28	.55		52	11		9	8		1.35		2.20	-.60			.20	.40	
46.532	87.251		.14	.01		55	9		7	5		1.10		2.15	-.60			.23	.23	
46.530	87.360		.44	.22		55	8		6	5		1.25		2.00	-.60			.35	-.01	
46.528	87.468		.66	.25		53	9		8	7		1.10		2.20	-.65			.23	.09	
46.526	87.579		.38	.32		50	12		10	11		1.00		2.00	-.65			.14	.25	
46.528	87.689		.41	.08		52	10		7	8		1.20		1.60	-.60			.09	.10	
46.533	87.798		.06	.52		52	10		7	9		1.35		2.15	-.60			-.07	.26	
46.537	87.908		.32	-.14		52	9		7	9		1.10		2.05	-.60			-.09	-.24	
46.542	88.017		.23	.04		52	9		6	10		.80		1.60	-.60			-.02	-.08	
46.547	88.127		-.44	.09		52	10		6	11		1.00		1.55	-.45			-.19	-.01	
46.552	88.237		-.23	.40		52	10		5	13		1.20		1.25	-.15			-.22	.07	
46.556	88.346		-.24	.48		52	9		4	13		1.15		.55	.20			-.15	.10	
46.555	88.456		-.05	.14		52	10		4	14		1.15		.45	.45			-.36	.18	
46.554	88.564		-.38	-.25		52	10		3	14		1.30		.38	.40			-.70	-.23	
46.554	88.673		-.55	-.14		51	10		4	16		1.10		-.20	.50			-.81	-.24	
46.552	88.782		-.79	.21		52	9		3	15		1.24		.46	.46			-.68	-.17	
46.543	88.889		-.39	.15		52	9		4	16		1.00		.70	.70			-.50	-.09	
46.535	88.997		-.76	.11		52	9		4	16		.80		1.00	.70			-.66	-.30	
46.527	89.104		-1.01	-.51		51	10		5	17		.85		1.00	.65			-.92	-.63	
46.519	89.212		-.51	-.35		53	8		3	16		1.10		1.05	.70			-.70	-.40	
46.512	89.319		-.97	-.38		52	10		4	17		1.35		.75	.65			-.59	-.81	
46.515	89.426		-.36	-.63		51	10		4	19		1.35		.20	.60			-.39	-.31	
46.521	89.535		-.16	-.38		52	9		3	18		1.00		-.10	.70			-.43	-.44	
46.526	89.643		-.40	-.72		51	10		4	19		.85		-.50	.65			-.62	-.53	
46.529	89.751		-.84	-.51		51	10		3	19		.75		-.90	.75			-.86	-.90	

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 2

REFERENCE						ONI-7000#1											TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.533	89.859		-.91	-.59		51	10		3	20		1.00		-.85	.75			-1.11	-1.05	
46.537	89.969		-1.29	.28		51	11		2	20		1.45		-.90	.70			-1.19	-.30	
46.540	90.071		-.58	-1.66		52	9		1	20		1.50		-.75	.85			-.19	-1.73	
46.546	90.179		.14	-1.81		51	10		2	21		1.50		-.80	.80			-.09	-1.74	
46.551	90.287		-.09	-1.62		51	9		2	21		1.10		-.75	.70			-.05	-1.85	
46.560	90.396		-.08	-2.26		51	9		2	21		1.00		-1.05	.70			.06	-2.33	
46.577	90.502		.24	-2.19		52	8		0	21		1.30		-1.40	.70			.32	-2.31	
46.594	90.606		.28	-3.06		51	9		1	22		1.35		-1.65	.70			.54	-3.05	
46.610	90.714		.04	-3.06		51	10		1	22		1.60		-1.68	.70			.17	-3.27	
46.632	90.819		.55	-2.75		71 d	-10 d		-19 d	2 d		1.55		-1.80	.70			.78	-2.69	
46.648	90.926		.76	-2.42		73	-14		-23	-1		1.30		-2.02	.65			.89	-2.23	
46.658	91.034		.74	-2.81		66	-8		-17	3		.50		-2.50	-.35			.79	-2.62	
46.666	91.142		-.05	-3.35		60	-1		-10	14		.33		-2.80	-.60			.10	-3.91	
46.678	91.243		-.29	-3.80		55	4		-5	19		-.25		-3.10	-.60			-.12	-4.29	
46.690	91.346		-.26	-3.66		54	6		-5	22		.37		-3.30	-.33			.20	-4.15	
46.695	91.449		-.07	-4.21		53	8		-4	24		1.40		-3.10	.95			.03	-4.14	
46.705	91.550		-.79	-4.19		53	8		-2	24		1.60		-3.10	1.00			-.40	-4.66	
46.728	91.644		-.71	-4.89		54	7		-3	23		1.95		-3.10	.90			-.51	-4.92	
46.758	91.735		-.95	-5.57		54	7		-3	24		1.65		-3.10	1.00			-.70	-5.44	
46.789	91.814		-.64	-4.96		54	7		-4	23		1.55		-3.45	.85			-.32	-5.32	
46.820	91.882		-.04	-4.87		54	6		-5	23		1.40		-3.70	.70			.19	-4.86	
46.838	91.947		.12	-4.37		54	6		-5	23		1.40		-3.55	.85			.55	-4.54	
46.833	91.987		-.01	-3.90		54	6		-5	23		1.10		-3.40	.80			.46	-4.25	
46.834	92.038		-.03	-3.93		54	6		-5	24		1.30		-3.40	.40			.55	-4.06	
46.835	92.088		.23	-3.86		53	8		-3	25		1.05		-3.55	.45			.64	-4.02	

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 3

REFERENCE							ONI-7000#1											TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.848	92.291	3.00	1.52	-2.55		46	14	-9	5	33		1.90	.48	2.35	1.30			1.57	-2.45	
46.862	92.365	2.94	1.65	-1.87		47	14	-10	5	33		2.00	.40	2.40	1.30			1.39	-2.47	
46.880	92.434	3.26	1.10	-3.01		46	14	-10	5	34		2.05	.40	2.20	1.60			1.29	-2.59	
46.902	92.506	3.22	.88	-3.04		46	14	-10	5	35		1.90	.40	2.20	1.60			.83	-2.99	
46.925	92.581	3.29	.91	-2.90		43	16	-7	7	37		1.90	.40	2.20	1.60			.81	-2.88	
46.946	92.657	3.29	.79	-2.72		44	16	-8	7	37		1.75	.65	2.20	1.60			.77	-2.76	
46.968	92.738	3.11	.79	-2.77		44	15	-8	6	37		1.75	.80	2.20	1.60			.71	-2.73	
46.986	92.828	3.08	.70	-2.80		45	14	-9	5	36		1.60	.70	2.40	1.50			.56	-2.88	
47.002	92.929	2.77	.76	-2.78		45	15	-9	6	37		1.60	.70	2.45	1.30			.66	-2.79	
47.021	93.033	2.86	.89	-1.93		46	13	-10	4	36		1.60	.70	2.40	1.30			.66	-2.66	
47.052	93.135	2.79	.86	-2.57		44	15	-8	6	38		1.90	.60	2.40	1.30			.73	-2.51	
47.084	93.238	2.83	.79	-2.02		46	13	-10	4	36		1.90	.40	2.50	1.45			.81	-2.56	
47.118	93.339	2.83	.76	-2.37		46	12	-10	3	36		1.80	.40	2.50	1.30			.66	-2.35	
47.153	93.441	2.83	.81	-2.21		46	12	-10	3	37		1.80	.40	2.50	1.50			.73	-2.26	
47.188	93.541	2.94	.69	-2.48		45	13	-9	4	38		1.60	.40	2.50	1.55			.58	-2.33	
47.221	93.640	3.16	.78	-1.64		45	13	-9	4	39		1.50	.40	2.63	1.55			.59	-2.29	
47.255	93.738	3.15	.86	-1.59		45	14	-9	5	40		1.60	0.00	2.77	1.50			.64	-2.08	
47.287	93.834	3.22	.82	-1.08		44	13	-8	5	41		1.40	0.00	2.90	1.50			.75	-1.92	
47.313	93.933	3.13	.83	-1.31		45	12	-10	4	40		1.35	0.00	2.83	1.55			.68	-1.78	
47.339	94.031	3.20	.74	-1.23		46	11	-11	3	39		1.45	.07	2.57	1.55			.63	-1.61	
47.363	94.131	3.26	.70	-1.23		45	12	-10	3	41		1.60	-.15	2.50	1.35			.63	-1.44	
47.377	94.230	3.18	.68	-1.86		47	10	-12	1	39		1.45	-.30	2.40	1.60			.50	-1.97	
47.392	94.329	3.00	.79	-.64		48	10	-13	1	39		1.30	-.45	1.95	1.40			.57	-1.84	
47.410	94.428	2.87	.81	-1.66		48	10	-13	-0	39		1.50	-.60	1.85	1.30			.67	-1.59	
47.432	94.527	2.84	.80	-1.56		48	9	-13	-1	38		1.30	-.50	1.40	1.30			.62	-1.79	
47.459	94.626	3.17	.72	-1.18		49	7	-14	-3	37		.95	-.85	.65	1.00			.63	-1.62	
47.487	94.724	3.37	.91	-1.38		48	8	-13	-3	38		1.60	-.75	.27	1.30			.91	-1.50	
47.518	94.840	3.25	.99	-.89		49	7	-14	-4	37		2.05	-.60	-.18	1.30			1.19	-1.80	
47.541	94.923	3.16	1.28	-1.11		49	6	-14	-5	37		2.15	-.60	-1.15	1.30			1.80	-1.51	
47.563	95.025		1.31	-1.60		50	5		-6	36		2.10		-1.50	1.30			2.08	-1.61	
47.579	95.129		1.47	-1.98		52	3		-8	34		1.95		-.80	1.30			2.16	-2.07	
47.594	95.233		1.49	-2.14		51	4		-7	35		2.15		-.25	1.30			2.17	-2.25	
47.609	95.337		1.42	-2.24		50	5		-5	36		2.20		.95	1.30			2.20	-2.14	
47.625	95.441		1.47	-2.20		51	4		-6	35		2.10		2.00	1.30			2.29	-2.40	
47.644	95.547		1.86	-1.75		51	5		-5	36		2.10		2.75	1.30			2.35	-1.80	
47.667	95.645		2.07	-1.83		51	4		-5	35		2.10		3.40	1.30			2.78	-1.73	
47.687	95.750		2.14	-1.85		51	3		-5	34		1.65		4.05	1.15			2.58	-2.07	
47.706	95.855		2.01	-2.21		51	3		-5	34		1.65		4.55	1.25			2.46	-2.43	
47.727	95.959		2.09	-2.32		51	3		-5	34		1.70		5.13	1.30			2.36	-2.49	
47.751	96.065			h-2.25		51	3		h	34		2.00			h1.15			2.26	-2.49	
47.777	96.168			-2.79		50	4			34		2.05			1.05			2.11	-2.83	
47.804	96.272			-2.69		51	3			33		1.70			1.15			2.27	-2.60	
47.828	96.378		22.25	a-2.54		50	3		9	a 33		1.10		2.50	1.30			2.11	-2.64	
47.849	96.483		22.41	-2.21		50	3		9	33		1.30		2.35	1.30			2.37	-2.22	
47.868	96.589		22.21	-2.09		50	2		9	32		1.18		2.20	1.06			2.41	-2.20	
47.887	96.697		22.29	-2.05		50	2		8	32		1.25		1.95	1.20			2.29	-2.17	
47.902	96.804		22.25	-2.28		51	1		7	31		1.25		1.90	1.15			2.23	-2.22	
47.912	96.911		22.30	-1.99		51	1		7	30		.95		1.90	1.05			2.25	-2.27	
47.923	97.018			-1.83		51	1			30		.85			1.00			2.47	-1.89	

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 3

REFERENCE								ONI-7000#1														TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB						ECD uS						TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
47.933	97.125					52	0			29		1.00			1.00			2.41	-2.07	
47.945	97.233																	2.46	-2.07	
47.956	97.336																	2.48	-2.21	
47.969	97.443																	2.42	-2.22	
47.981	97.550																	12.41	a-2.36	
47.993	97.657																	12.42	-2.37	
48.004	97.763																	12.41	-2.42	
48.016	97.872																	12.39	-2.28	
48.026	97.980																	12.46	-2.27	
48.037	98.091																	12.44	-2.11	
48.048	98.201																	12.58	-2.10	
48.059	98.312																	12.43	-2.16	
48.069	98.422																	12.63	-2.04	
48.080	98.532		22.40	a-2.11		52	-2		5	25		.40		2.20	1.30			12.69	-1.80	
48.091	98.646		22.49	-1.97		51	-1		7	26		.20		1.85	1.30			12.69	-1.87	
48.095	98.718		22.50	-1.99		51	-1		6	25		.70		1.90	1.00			12.21	-2.73	
48.112	98.890		22.43	-2.16		51	-1		6	25		0.00		1.80	1.05			12.75	-2.00	
48.121	99.002		22.41	-2.39		49	1		8	27		-.45		1.55	.90			12.40	-2.56	
48.130	99.097		22.90	-1.97		49	1		8	27		-1.12		1.45	-2.23			12.86	-2.05	
48.136	99.244		22.96	-1.71		49	1		8	28		-.90		1.60	-.75			13.21	-1.66	
48.142	99.357		23.00	-1.54		49	2		9	28		-.75		1.60	.38			13.11	-1.56	
48.145	99.471		22.97	-1.74		49	1		8	27		-.80		1.60	1.00			13.18	-1.62	
48.153	99.584		22.92	-1.67		49	1		7	27		-.75		1.80	.85			13.11	-1.76	
48.164	99.696		22.99	-1.72		48	2		8	28		-.90		1.80	.90			13.09	-1.79	
48.173	99.808		22.88	-1.87		49	0		7	26		-.60		1.90	1.00			13.03	-1.92	
48.184	99.921																	13.23	-1.75	
48.194	100.033			-1.99		50	-1			25		-.15			1.00			13.03	-1.90	
48.202	100.146																	12.81	-2.05	
48.204	100.262			-1.89		50	-1			24		-.10			.70			12.99	-2.04	
48.207	100.379			-2.00		50	-1			24		0.00			.70			13.15	-1.94	
48.211	100.494																	13.13	-2.05	
48.214	100.610																	13.37	-1.68	
48.219	100.727																	13.32	-1.52	
48.226	100.842																	13.32	-1.74	
48.233	100.956																	13.32	-1.87	
48.241	101.070																	13.39	-1.73	
48.249	101.184																	13.38	-1.74	
48.259	101.297																	13.73	-1.37	
48.267	101.412			-1.68		50	-3			21		-1.20			1.06					
48.268	101.528			-1.69		50	-3			21		-.85			1.00					
48.268	101.641																			
48.270	101.757																			
48.270	101.874																			
48.272	101.991																			
48.275	102.108																			
48.274	102.225																			
48.276	102.342																			
48.279	102.460																			
48.282	102.577			-1.66		51	-5			18		-1.20			1.00					

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 3

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
48.284	102.696			-2.04		50	-4			19		-1.20			1.00					
48.285	102.816			-1.85		50	-4			18		-1.20			1.00					
48.286	102.934			-1.67		50	-5			18		-1.20			1.20					
48.288	103.053			-1.63		50	-5			18		-1.20			1.00					
48.290	103.173			-1.55		50	-5			18		-1.20			1.00					
48.292	103.291			-1.98		50	-5			17		-1.30			1.00					
48.280	103.412			-2.16		50	-5			17		-1.50			.85					
48.268	103.513			-2.04		50	-6			18		-1.50			.70					
48.266	103.533																			
48.265	103.553			-1.25																
48.212	104.663			-1.17		51	-8			14		-1.80			1.00					
48.209	104.763			-1.17		52	-9			14		-1.80			1.15					
48.199	105.044			-1.15		51	-8			13		-1.80			1.10					
48.197	105.124			-1.07		52	-10			12		-1.80			.80					
48.192	105.284			-1.30		52	-10			13		-1.80			1.00					
48.165	105.698			-1.25		52	-10			11		-2.10			1.30					
48.226	104.750			-1.10		52	-11			10		-2.10			1.60					
48.372	107.842			-1.32		53	-14			6		-2.50			.85					
48.392	108.156			-.65		53	-14			6		-2.50			.70					
48.440	108.762			-.01		51	-13			6		-2.58			.13					
48.444	108.800			-.94		50	-13			7		-2.50			.40					
48.500	109.281			-1.24		51	-14			6		-2.50			-.38					
48.512	109.379					50	-13			6		-2.50			-.30					
48.540	109.629			-.53		50	-13			6		-2.50			-.90					
48.534	109.723					51	-14			5		-2.50			-.90					

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 4

REFERENCE						ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS				TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

Entire segment-h

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 5

REFERENCE							ONI-7000#1													TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
45.654	108.359			-1.25		50	-9			8		1.00			1.10					
45.606	108.284			-1.63		51	-10			7		.95			.95					
45.559	108.204			-1.74		51	-10			7		1.00			.65					
45.509	108.119			-1.78		50	-9			8		.95			.70					
45.453	108.029			-1.67		50	-8			8		1.10			.50					
45.394	107.935			-1.47		50	-8			8		1.25			.55					
45.334	107.842			-1.84		50	-8			8		1.24			.88					
45.274	107.748			-1.40		50	-8			8		1.15			.70					
45.214	107.654			-1.31		50	-8			9		1.00			.60					
45.155	107.559			-1.62		50	-8			9		.95			.75					
45.096	107.465			-.92		50	-8			9		.50			.70					
45.035	107.367			-1.89		50	-7			9		.33			.85					
44.977	107.273			-1.35		50	-7			9		.40			.80					
44.919	107.177			-1.85		51	-7			9		.40			.65					
44.863	107.075			-1.86		50	-6			9		.65			.55					
44.833	106.964			-1.77		50	-6			9		.94			.16					
44.804	106.842			-1.61		50	-6			9		.75			.38					
44.782	106.724			-1.64		51	-7			9		.94			.76					
44.759	106.601			-1.69		51	-7			9		.70			.55					
44.736	106.480			-1.81		51	-6			9		.95			.85					
44.714	106.359			-1.79		51	-6			9		.85			.90					
44.689	106.239			-1.90		51	-6			9		.50			.70					
44.664	106.120			-1.73		52	-7			8		.65			.55					
44.638	106.001			-2.07		51	-6			9		1.00			.52					
44.616	105.876			-1.67		52	-7			10		.70			.50					
44.590	105.756			-1.75		53	-8			8		.70			.75					
44.566	105.633			-1.83		53	-8			9		.55			.80					
44.541	105.510			-2.06		52	-6			9		.50			.85					
44.517	105.389			-1.69		52	-6			10		.40			1.00					
44.494	105.265			-1.78		52	-6			10		.50			1.00					
44.468	105.143			-2.31		52	-6			10		.27			1.00					
44.444	105.021			-2.02		52	-5			10		.40			.95					
44.415	104.900			-2.60		52	-5			10		.70			1.15					
44.392	104.779			-1.60		53	-6			10		.40			1.05					
44.361	104.658			-.58		52	-5			10		.40			1.00					
44.340	104.540			-.38		52	-5			10		.40			1.00					
44.318	104.416			2.23		52	-5			11		.50			.95					
44.290	104.297			1.62		52	-5			11		.52			1.00					
44.250	104.179			-1.16		52	-4			10		.52			.85					
44.223	104.057			-2.20		53	-5			10		0.00			.95					
44.196	103.936			-2.24		53	-5			10		-.05			1.00					
44.176	103.811			-1.56		53	-4			10		0.00			.82					
44.142	103.694			-1.42		52	-3			11		.03			1.00					
44.117	103.572			-1.99		52	-3			11		.27			.95					
44.089	103.451			-1.78		53	-3			11		.07			.95					
44.061	103.328			-1.93		53	-3			11		-.10			1.05					
44.035	103.206			-2.02		53	-2			11		-.20			1.05					
44.004	103.083			-2.09		53	-2			11		-.24			1.06					
43.993	102.960			-1.49		54	-3			10		.07			.85					

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 5

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
44.000	102.834			-1.70		53	-2			12		.07			.80					
44.008	102.707			-1.98		54	-2			12		-.03			1.00					
44.011	102.581			-1.99		54	-2			12		-.05			1.00					
44.018	102.455			-2.03		53	-1			12		.27			.95					
44.023	102.328			-2.01		53	-1			12		-.20			1.05					
44.028	102.204			-2.06		54	-2			11		.42			1.00					
44.032	102.078			-1.54		54	-1			12		.45			1.00					
44.037	101.953			-2.01		54	-1			12		.50			1.00					
44.044	101.827			-2.01		53	-0			13		-.65			.90					
44.056	101.702			-1.87		53	-0			13		-.08			1.00					
44.072	101.582			-1.61		53	-0			13		-.06			1.00					
44.096	101.460			-1.15		54	0			12		-.10			1.00					
44.119	101.342			-1.58		54	0			13		.33			1.00					
44.146	101.223			-1.75		53	1			14		.47			.75					
44.174	101.106			-2.25		53	1			14		.18			.82					
44.203	100.988			-10.46		54	-0			13		-.05			.80					
44.226	100.869			-6.06		54	1			13		.02			.75					
44.223	100.769			-15.33		53	2			15		0.00			1.00					
44.287	100.636																			
44.318	100.500			-2.36		54	1			14		.40			1.00					
44.351	100.348																			
44.362	100.225																			
44.392	100.110																			
44.352	99.973																			
44.320	99.856																			
44.286	99.736																			
44.252	99.615		1.26	-2.05		54	2		-12	15		.70		2.50	1.00					
44.216	99.495		1.21	-2.31		54	2		-12	15		.65		2.70	1.00					
44.180	99.376		.59	-2.69		54	2		-12	15		.55		2.90	.90					
44.144	99.257		1.32	-2.66		53	3		-11	16		.80		2.70	1.00					
44.107	99.139		.60	-2.63		54	3		-12	15		.85		2.50	1.00					
44.064	99.001		1.36	-2.32		54	3		-12	15		.70		2.63	1.00					
44.029	98.882		1.32	-2.49		54	3		-12	15		.60		2.90	.90					
43.992	98.761		1.19	-2.38		54	4		-11	15		.50		2.90	.90					
43.958	98.641		1.23	-1.79		53	5		-10	16		.40		2.67	.87					
43.916	98.501		1.11	-2.43		53	5		-11	16		.61		2.24	.66					
43.880	98.378		1.20	-2.46		54	4		-12	15		.92		2.20	1.00					
43.839	98.235		1.20	-2.45		53	5		-11	16		1.00		1.90	.92					
43.805	98.115		1.09	-2.61		53	6		-11	16		1.00		1.90	.94					
43.779	97.989		1.39	-2.51		53	6		-11	16		1.10		1.75	.75					
43.770	97.863		1.46	-2.01		54	5		-11	15		1.13		1.60	.79					
43.756	97.716		.69	-2.26		54	6		-11	15		1.13		1.43	1.00					
43.743	97.565		1.25	-2.48		54	6		-11	15		1.20		1.30	1.05					
43.727	97.439		.23	-3.53		54	6		-11	15		1.00		1.30	1.00					
43.715	97.312		.82	-4.11		54	6		-10	15		1.10		1.30	1.00					
43.653	96.779		1.33	-1.17		54	7		-9	16		1.15		.45	.90					
43.648	96.627		1.51	-1.41		54	8		-9	16		1.17		.07	.91					
43.644	96.473		1.45	-1.22		54	8		-9	15		1.35		-.30	.85					
43.646	96.344		1.39	-1.45		54	8		-9	15		1.30		-.35	.85					

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 5

REFERENCE LAT DEG	LONG	TD BIAS uS MW	MX	MY	MZ	ATM NOISE dB	SNR dB M	W	X	Y	Z	ONI-7000#1 ECD uS M	W	X	Y	Z	TDL-711 TD BIAS uS MW	MX	MY	MZ
43.647	96.214		1.41	-1.02		54	8		-9	15		1.30		-.60	.95					
43.649	96.082		1.21	-1.30		55	7		-9	15		1.30		-.90	.87					
43.652	95.929		1.32	-1.18		55	8		-9	15		1.30		-.86	.79					
43.654	95.775		1.37	-1.60		54	9		-8	16		1.05		-.95	.95					
43.653	95.641		1.40	-.84		55	8		-9	15		1.25		-.95	1.00			1.78	-1.37	
43.655	95.514		1.40	-1.04		55	8		-8	15		1.25		-1.25	1.00					
43.656	95.381		.80	-1.44		55	9		-8	15		1.26		-1.03	1.00			4.03	-1.39	
43.657	95.227		1.27	-.80		55	9		-8	15		1.00		-.90	1.00			1.67	-1.33	
43.660	95.073		1.38	-1.18		55	9		-7	15		1.30		-1.05	.75			1.49	-1.14	
43.661	94.940		1.32	-1.26		55	9		-7	15		1.20		-1.20	.80			1.30	-1.59	
43.663	94.806		1.28	-1.62		54	10		-6	16		1.04		-1.33	1.00			1.26	-1.60	
43.665	94.649		1.26	-1.43		55	10		-7	16		1.15		-1.30	1.00			1.19	-1.73	
43.667	94.514		1.25	-1.52		55	10		-7	15		1.05		-1.25	.85			1.40	-1.64	
43.670	94.379		1.32	-1.78		55	10		-6	15		1.17		-1.20	.74			1.30	-1.83	
43.683	94.223		1.21	-1.39		55	10		-6	15		1.30		-1.20	.65			1.42	-1.96	
43.694	94.089		1.17	-2.28		55	11		-6	16		1.30		-1.45	.65			1.20	-2.50	
43.705	93.954		1.18	-2.22		55	11		-6	15		1.30		-1.45	.65			1.28	-2.17	
43.713	93.822		1.15	-1.75		54	12		-5	16		1.21		-1.50	.91			1.33	-1.92	
43.719	93.660	2.98	1.41	-2.18		53	13	-7	-4	17		1.30	4.70	-1.50	1.00			1.61	-2.51	
43.724	93.526	2.93	1.40	-2.11		54	12	-8	-4	16		1.05	4.70	-1.50	.75			1.58	-2.43	
43.729	93.391	2.60	1.50	-2.31		54	12	-8	-4	16		1.26	4.70	-1.54	.70			1.65	-2.21	
43.737	93.256	2.62	1.52	-1.43		55	12	-9	-5	15		1.25	4.70	-1.50	.60			1.79	-1.70	
43.749	93.098	2.64	1.41	-1.83		55	12	-9	-5	15		1.30	4.70	-1.75	.45			1.56	-2.24	
43.760	92.963	2.81	.85	-2.47		55	12	-10	-4	14		1.26	4.70	-1.80	.79			1.52	-2.46	
43.769	92.812	3.01	.84	-2.56		54	13	-9	-3	15		1.30	4.70	-1.75	.70			.90	-2.49	
43.780	92.679	3.05	.90	-1.87		55	13	-9	-4	15		1.30	4.70	-1.80	.65			1.02	-2.04	
43.783	92.544	3.12	.74	-1.85		55	12	-9	-4	14		1.10	4.70	-1.80	.85			.95	-2.09	
43.765	92.413	3.43	.61	-1.75		55	12	-9	-4	14		1.30	4.70	-1.70	.75			.81	-2.09	
43.744	92.282	3.41	.89	-1.45		54	13	-8	-3	15		1.25	4.70	-1.80	.80			1.08	-1.49	
43.716	92.152	3.16	.98	-1.80		54	13	-8	-2	14		1.30	4.70	-1.80	.60			.95	-2.33	
43.688	92.003	3.13	1.02	-.80		55	14	-9	-3	14		1.10	4.45	-1.80	.70			1.04	-1.04	
43.664	91.875	2.91	1.05	-.60		54	14	-8	-2	13		1.17	4.40	-1.67	.44			1.01	-.99	
43.633	91.723	2.90	.91	-.68		56	12	-10	-3	11		1.05	4.40	-1.35	.55			.80	-.78	
43.610	91.596	2.78	.38	-.76		56	13	-10	-3	11		1.30	4.40	-1.20	.50			.82	-.42	
43.587	91.463	2.90	.99	-.05		55	13	-9	-2	11		1.30	4.50	-1.20	.40			.96	-.68	
43.562	91.335	3.04	1.04	.09		56	12	-10	-2	10		1.04	4.40	-1.16	.44			.97	-.77	
43.533	91.188	2.98	1.11	.56		55	14	-9	-1	11		1.25	4.40	-.65	.55			.91	.10	
43.511	91.082	2.95	.93	-.57		55	14	-9	-1	11		1.25	4.40	-.90	.55			.77	-.37	
43.486	90.957	2.84	.84	-1.32		55	14	-9	0	11		1.25	4.40	-.60	.65			.80	-.45	-4.38
43.456	90.809	2.81	1.07	-.30		54	16	-8	1	12		1.13	4.40	-.73	.87			.93	-.23	
43.426	90.660	2.89	1.32	.58		55	15	-9	-0	10		1.20	4.30	-.30	.95			1.20	.60	
43.398	90.532	2.81	1.33	.46		55	15	-8	1	10		1.30	4.10	.01	.49			1.25	.09	
43.367	90.384	2.66	1.00	-.73		55	15	-8	1	9		1.25	4.10	.20	.40			1.36	.02	
43.341	90.257	2.58	1.61	-1.10		55	16	-8	2	9		1.30	4.10	.55	.55			1.42	.11	
43.308	90.111	2.72	.61	.21		56	15	-9	1	7		1.15	4.10	1.25	.60			1.14	.30	
43.285	89.987	2.76	1.25	.70		57	15	-10	2	7		1.05	4.10	1.25	.75			1.16	.45	
43.262	89.860	2.35	1.05	.54		56	16	-9	2	7		1.00	4.10	1.30	.80			1.41	.76	
43.238	89.733	2.89	1.14	.48		57	15	-10	1	5		1.00	4.01	1.39	1.00			1.10	.40	
43.210	89.585	2.83	1.85	-.29		56	17	-8	3	6		1.21	3.80	1.34	.79			1.65	1.33	

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 5

REFERENCE						ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.182	89.436	2.79	1.58	.77		55	17	-8	3	6		1.17	3.80	1.39	.83			1.62	.55	
43.159	89.289	2.77	1.18	.47		55	17	-8	3	6		1.10	3.60	1.40	.90			1.59	.82	
43.151	89.180	2.79	1.46	-.01		55	17	-8	3	6		1.20	3.50	1.70	.65			1.75	.61	
43.140	89.027	2.90	2.00	.04		55	17	-8	4	6		1.05	3.50	1.90	1.05			1.86	.31	
43.130	88.897	2.43	1.68	-.37		57	15	-10	2	4		1.25	3.50	1.80	1.30			1.70	.21	
43.127	88.746	2.92	1.29	.27		57	16	-10	3	5		1.00	3.50	1.65	1.20			1.33	.41	
43.125	88.612	3.07	1.73	-.09		58	14	-11	2	3		1.00	3.50	1.90	1.00			1.93	.08	
43.122	88.482	3.18	.72	-.75		58	15	-11	2	2		1.00	3.50	1.85	1.10			1.27	-.40	
43.120	88.352	3.24	1.32	.40		59	14	-12	1	1		1.20	3.45	1.85	1.00			1.48	.32	
43.119	88.200	3.32	2.04	.33		59	14	-12	2	1		1.00	3.20	2.11	1.21			2.03	.35	
43.123	88.046	3.39	1.88	.06		58	15	-11	3	1		1.25	3.20	1.95	1.05			1.90	-.10	
43.129	87.916	3.64	1.54	.02		58	15	-11	3	1		1.15	3.20	1.90	1.35			1.79	-.04	
43.132	87.807	3.80	1.34	-.12		59	15	-12	3	1		1.15	3.30	1.90	1.70			1.74	-.01	
43.136	87.655	3.79	1.68	-.22		58	15	-11	4	1		1.15	3.40	1.80	1.50			1.70	.17	
43.140	87.525	3.63	1.67	.55		57	16	-10	5	1		1.00	3.37	1.73	1.39			1.87	.38	
43.146	87.373	3.90	2.59	.72		57	17	-10	7	3		1.50	3.50	2.20	1.50			2.15	.67	
43.151	87.243	3.84	2.45	.83		58	16	-11	6	2		1.60	3.50	2.70	1.75			2.19	.82	
43.155	87.137	3.85	2.07	.88		57	17	-9	7	2		1.60	3.40	2.70	1.90			2.20	.72	
43.160	87.008	4.05	1.69	.87		58	16	-10	6	1		1.60	3.25	2.95	1.40			2.03	.88	
43.165	86.879	3.85	1.68	.83		58	16	-10	6	0		1.75	3.20	3.10	1.35			1.85	.60	
43.172	86.748	4.15	2.16	.49		58	16	-10	7	0		1.80	3.20	2.95	1.35			1.77	.54	
43.181	86.596	3.86	1.89	.72		58	16	-10	7	0		1.73	3.20	2.90	1.43			2.13	.74	
43.184	86.446	4.21	1.92	.76		59	15	-11	6	-1		1.60	3.20	2.90	1.60			2.10	.72	
43.184	86.318		2.07	.34		58	16		7	-0		1.60		2.90	1.50			1.63	.42	
43.184	86.189		2.12	.49		58	17		8	0		1.65		2.90	1.80			1.83	.48	
43.186	86.062		1.18	.24		58	16		9	-1		1.65		2.90	1.55			1.36	.21	
43.189	85.937		.63	.84		57	16		9	-0		1.81		2.94	1.13			.63	.74	
43.214	85.790		-.08	1.08		58	16		9	-1		1.90		2.95	1.10			.21	.99	
43.235	85.663		.26	.86		57	16		10	-1		1.65		2.90	.95			.39	.70	
43.257	85.514		1.76	.57		56	17		11	0		1.60		2.90	1.15			.19	.65	
43.278	85.387		.72	.71		56	17		11	-0		1.70		2.90	1.20			.03	.83	
43.297	85.255	14.20 a	.68	.79		57	15	-4	10	-2		1.60	1.15	2.90	1.00			.68	.87	
43.323	85.108		1.32	1.18		58	14		10	-3		1.85		2.90	.95			.88	.87	
43.343	85.002		2.86	1.02		59	13		9	-4		1.60		2.90	.65			1.02	.93	
43.372	84.859	3.27	.26	.65		59	13	-11	9	-4		1.70	3.42	2.90	.70			.66	.72	
43.401	84.733	3.37	.97	1.25		58	13	-11	11	-3		1.73	3.20	2.90	.74			1.30	1.19	
43.425	84.592		.63	.91		56	15		13	-2		1.65		2.90	.85			1.03	1.11	
43.417	84.477		.90	1.18		58	13		11	-4		1.35		2.90	1.00			1.15	1.12	
43.415	84.367		1.18	1.69		58	13		11	-4		1.60		2.90	.79			1.29	1.67	
43.412	84.251		.66	1.54		58	13		12	-4		1.75		3.20	.05			.79	1.80	
43.464	84.178		1.01	1.77		58	13		12	-4		1.80		3.25	.10			.66	1.77	

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 6

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.451	83.925		.00	1.11		54	17		17	1		1.95		2.95	1.45			-.35	.86	
43.398	83.860		.61	1.02		53	18		18	2		2.25		2.90	1.05			.21	.74	
43.355	83.786		.52	.82		55	16		16	-1		2.20		2.95	.70			.07	.63	
43.311	83.717		.37	.28		54	17		17	0		1.90		3.20	.70			-.31	.52	
43.248	83.674		-.40	.11		54	17		17	-0		1.55		3.20	.75			-.49	.20	
43.182	83.630		-.14	-.07		56	15		16	-2		1.90		3.20	.75			-.58	.13	
43.113	83.583		-.14	-.03		55	16		17	-1		1.84		3.20	.82			-.44	.18	
43.039	83.532		.14	.22		57	15		16	-3		1.85		3.20	.90			-.01	.43	
42.963	83.470		.09	.42		57	14		15	-4		2.00		2.90	.75			-.02	.10	
42.891	83.401		-.27	.01		57	14		16	-4		1.90		2.90	.32			-.46	.20	
42.816	83.328		-.09	.18		57	15		17	-4		1.85		2.90	.27			-.20	-.01	
42.744	83.255		-.00	.57		57	14		16	-5		1.90		3.10	-.35			.02	.31	
42.671	83.181		.50	.17		56	15		18	-4		1.75		3.20	-.20			-.13	.46	
42.598	83.105		.20	.08		55	16		19	-4		1.85		3.20	-.20			.04	.15	
42.525	83.033		.19	.76		55	16		19	-4		1.60		3.20	-.55			.14	.51	
42.448	82.968		.66	.81		55	17		19	-4		1.60		3.20	-1.00			.24	.63	
42.369	82.909		.39	.40		54	18		20	-3		1.60		3.20	-1.15			.15	.70	
42.288	82.849		.07	.03		55	17		19	-4		1.65		3.20	-1.20			-.21	.30	
42.209	82.788		.22	.17		55	18		20	-4		1.90		3.20	-1.20			-.75	-.27	
42.131	82.727		.46	.41		55	18		20	-4		1.60		3.15	-1.40			.36	.52	
42.051	82.667		.09	.63		56	17		19	-6		1.70		3.05	-1.20			-.06	.47	
41.974	82.603		.39	1.81		56	16		18	-6		1.80		2.90	-1.30					
41.895	82.542		-.16	.90		56	17		19	-6		1.65		2.90	-1.50					
41.816	82.480		-.03	.24		57	14		17	-7		1.60		2.95	-1.50					
41.735	82.427		.60	.21		57	15		18	-7		1.60		3.15	-1.65					
41.654	82.373		.61	.41		57	14		18	-8		1.60		2.95	-1.75					
41.577	82.306		.59	.55		56	15		19	-7		1.60		2.90	-1.85					
41.501	82.241		.61	.56		57	14		18	-8		1.50		3.00	-2.10					
41.423	82.181		-.15	.51		56	15		19	-8		1.55		3.20	-2.10					
41.346	82.110		.76	.59		57	13		18	-10		1.70		2.87	-2.43					
41.320	81.987		1.19	1.29		58	13		17	-10		1.80		2.40	-2.80					
41,295	81.860		1.09	1.40		58	14		18	-10		1.60		2.63	-3.10					
41.269	81.734		1.09	1.16		54	17		21	-7		1.55		2.90	-3.10					
41.234	81.608		1.21	.97		54	16		21	-7		1.40		2.90	-3.10					
41.194	81.488		1.95	1.40		54	16		22	-7		1.50		3.05	-3.15					
41.154	81.370		1.51	1.51		55	15		21	-8		1.45		3.10	-3.55					
41.124	81.247		1.27	1.70		57	13		19	-11		1.60		2.70	-4.15					
41.109	81.117		2.17	2.04		56	13		20	-11		1.60		2.57	-4.57					
41.113	80.984		3.34	2.11		57	12		20	-12		1.40		2.70	-5.10					
41.115	80.856		2.02			56	13		21			1.35		2.90						
41.117	80.723		1.34			56	13		21			1.30		2.90						
41.119	80.592		1.93			54	14		24			1.35		2.90						
41.123	80.459		1.31			54	14		24			1.30		2.90						
41.131	80.328		1.67			56	12		22			1.30		2.90						
41.142	80.198		1.67			56	11		22			1.30		2.83						
41.150	80.067		1.04			55	12		24			1.30		2.90						
41.157	79.937		1.65			55	12		24			1.30		2.90						
41.158	79.804		.43			54	12		25			1.25		2.90						
41.154	79.673		1.07			55	12		25			1.30		2.90						

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 6

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.144	79.544		1.41			55	10		25			1.30		2.90						
41.117	79.420		-.64			54	10		25			.85		3.20						
41.040	79.418		-.30			54	11		26			.80		3.40						
40.957	79.409		-.34			56	9		24			1.30		3.05						
40.875	79.404		-.52			56	10		25			1.15		3.15						
40.798	79.413		-.37			56	10		24			1.30		2.98						
40.719	79.420		-.61			56	10		24			1.30		2.50						
40.639	79.426		-.28			57	9		22			1.35		2.70						
40.556	79.415		-.45			56	10		24			1.60		2.83						
40.472	79.388		.38			54	11		24			1.60		2.50						
40.390	79.358		.24			55	11		23			1.50		2.50						
40.321	79.344		.04			54	12		23			1.18		2.90						
40.225	79.349		-.04			56	9		21			1.00		2.83						
40.144	79.354		.33			54	12		23			1.40		2.50						
40.060	79.352		.53			54	12		22			1.55		2.50						
39.978	79.347		.65			53	12		23			1.25		2.50						
39.911	79.386		.84			54	11		21			.75		2.50						
39.860	79.454		-.00			55	10		20			.85		2.50						
39.815	79.523		.48			56	10		19			1.20		2.50						
39.772	79.598		-.66			54	12		20			1.35		2.45						
39.721	79.666		-.90			54	12		20			1.45		2.45						
39.662	79.729		-1.25			53	13		21			1.50		2.20						
39.607	79.789		-.90			56	10		17			1.45		1.95						
39.550	79.846		-.19			53	13		20			1.45		1.90						
39.475	79.875		.12			54	12		18			1.60		1.80						
39.391	79.879		-.13			53	13		20			1.50		2.30						
39.309	79.898		-.58			54	12		20			1.30		2.77						
39.232	79.927		-.49			53	13		20			1.20		2.90						
39.164	79.976		-.49			52	14		21			1.00		2.95						
39.098	80.028		-.83			52	14		21			1.30		2.96						
39.028	80.068		-.43			53	13		20			1.55		3.10						
38.951	80.080		-.70			52	14		20			1.55		2.63						
38.895	80.123		-.39			53	13		18			1.10		2.30						
38.902	80.201		.35			53	14		18			1.15		2.48						
38.900	80.282		-.62			54	14		18			1.30		2.63						
38.900	80.377		.13			53	14		18			1.30		2.50						
38.899	80.447		-.38			54	13		17			1.25		2.45						
38.892	80.529		-.17			52	15		19			1.30		2.50						
38.886	80.613		-.60			54	13		17			1.30		2.35						
38.879	80.695		-.99			54	13		17			1.30		2.20						
38.872	80.778		-.41			55	13		17			1.30		2.40						
38.864	80.861		-.32			54	14		17			1.30		2.50						
38.854	80.944		-.40			55	13		16			1.30		2.50						
38.845	81.027		-.27			54	14		17			1.30		2.50						
38.828	81.110		-1.10			55	14		16			1.30		2.50						
38.819	81.194		-.67			55	15		16			1.30		2.30						
38.813	81.278		-1.18			55	15		16			1.30		2.50						
38.810	81.363		-.52			54	16		16			1.30		2.50						
38.815	81.449		-1.15			54	16		16			1.40		2.50						

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 6

REFERENCE							ONI-700081											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.812	81.535		-1.21			53	17		17			1.40		2.50						
38.796	81.620		-.68			55	15		15			1.36		2.50						
38.776	81.703		-.39			54	17		17			1.30		2.57						
38.764	81.788		-1.06			54	16		16			1.30		2.50						
38.760	81.874		-1.10			55	17		16			1.30		2.50						
38.757	81.961		-.72			54	17		16			1.30		2.50						
38.755	82.049		-.63			55	16		15			1.30		2.50						
38.748	82.135		-.84			55	16		15			1.35		2.77						
38.728	82.220		-.88			54	17		16			1.40		2.50						
38.711	82.306	3.39	-.42			54	17	-1	16			1.30	-.38	2.50						
38.703	82.390	2.76	-.36			54	18	-1	16			1.30	.43	2.50						
38.701	82.478	2.97	-1.21			56	17	-3	14			1.30	-.15	2.50						
38.702	82.565	2.82	-1.06			55	17	-1	14			1.30	-.40	2.50						
38.700	82.653	3.10	-.23			57	16	-3	13			1.35	-.35	2.50						
38.680	82.736	3.61	-.79			55	18	-1	14			1.45	-.45	2.90						
38.655	82.822	3.33	.25			55	18	-1	14			1.35	-.25	2.50						
38.638	82.922	3.25	.31			53	20	1	15			1.20	.15	2.50						
38.636	83.010	3.36	-.30			53	20	1	15			1.25	-.05	2.30						
38.635	83.096	3.24	-.07			53	20	2	15			1.30	.08	2.20						
38.638	83.182	2.68	-.94			53	21	2	15			1.30	.45	2.20						
38.646	83.268	3.72	.00			53	21	3	14			1.30	.60	2.20						
38.647	83.356	3.29	-.07			55	19	1	12			1.30	.60	2.25						
38.642	83.445	3.26	-.22			55	20	2	13			1.40	.55	2.40						
38.633	83.532	2.94	-.25			54	21	3	13			1.30	.65	2.50						
38.628	83.619	2.67	.09			55	20	3	12			1.30	.70	2.35						
38.628	83.707	2.99	-.52			55	20	3	12			1.40	.95	2.40						
38.632	83.794	2.89	.01			54	22	4	13			1.50	.95	2.50						
38.635	83.881	2.77	-.44			54	22	5	13			1.60	1.10	2.50						
38.641	83.968	2.98	.49			55	22	5	13			1.60	1.10	2.50						
38.646	84.056	3.18	.37			55	23	5	12			1.55	1.30	2.50						
38.652	84.144	2.89	.07			56	22	4	11			1.60	1.15	2.50						
38.646	84.233	3.18	.22			56	21	3	10			1.60	1.00	2.50						
38.641	84.324	2.33	-.42			56	22	4	10			1.55	1.35	2.45						
38.644	84.413	1.76	.11			54	24	6	12			1.60	1.60	2.50						
38.645	84.503	1.92	-.12			56	22	4	10			1.60	1.60	2.20						
38.644	84.590	2.47	.54			57	22	4	10			1.60	1.60	2.40						
38.645	84.684	3.54	1.61			57	21	3	9			1.60	1.35	2.50						
38.640	84.772	3.73	1.61			57	23	4	9			1.60	1.50	2.50						
38.628	84.862	3.35	1.62			55	24	6	10			1.60	1.30	2.50						
38.614	84.954	3.77	1.45			55	24	6	10			1.60	1.30	2.35						
38.604	85.044	3.54	1.40			56	23	5	9			1.60	1.30	2.20						
38.600	85.134	3.58	1.12			54	26	7	11			1.55	1.40	2.30						
38.598	85.225	3.96	.81			55	26	7	11			1.60	1.55	2.35						
38.598	85.317	4.18	1.00			54	26	7	11			1.60	1.55	2.20						
38.599	85.406	3.57	1.52			55	26	6	9			1.60	1.35	2.20						
38.592	85.498	3.40	1.32			54	27	7	10			1.70	1.30	2.20						
38.582	85.586	3.29	1.43			56	26	6	9			1.60	1.30	2.20						
38.565	85.672	3.65	1.31			55	27	7	9			1.80	1.50	2.25						
38.538	85.754	3.33	.86			56	25	5	7			1.65	1.35	2.20						

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 6

REFERENCE									ONI-7000#1									TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.514	85.836	3.10	1.31			57	24	4	6			1.60	1.60	2.20						
38.493	85.918	3.16	1.16			57	25	4	6			1.60	1.65	2.10						
38.473	86.001	3.25	1.45			55	27	6	8			1.60	1.60	2.10						
38.454	86.083	3.33	.95			56	26	5	7			1.60	1.60	1.90						
38.432	86.164	3.70	1.18			55	27	6	8			1.60	1.40	1.90						
38.410	86.245	3.43	1.13			55	28	7	8			1.60	1.40	2.00						
38.386	86.327	3.45	.38			55	27	6	7			1.60	1.25	1.90						
38.363	86.408	3.57	.72			56	26	5	6			1.60	1.15	1.90						
38.339	86.487	3.47	.49			58	25	4	5			1.60	1.25	1.90						
38.315	86.567	3.19	.82			60	24	2	2			1.60	1.30	1.90						
38.288	86.646	3.19	.87			57	26	4	4			1.65	1.35	1.70						
38.264	86.725	3.20	1.03			57	26	4	4			1.60	1.35	1.90						
38.235	86.818	3.31	1.02			57	26	5	4			1.60	1.35	1.65						
38.214	86.884	3.39	1.05			58	25	4	3			1.60	1.30	1.70						
38.190	86.964	3.86	1.07			58	26	5	4			1.60	1.30	1.65						
38.165	87.042	3.24	1.15			57	27	6	5			1.60	1.40	1.65						
38.139	87.121	3.59	1.25			57	26	5	4			1.65	1.35	1.60						
38.113	87.199	3.38	1.03			57	26	5	4			1.60	1.60	1.60						
38.088	87.277	3.13	1.19			57	26	6	3			1.60	1.55	1.40						
38.062	87.356	3.37	.94			58	25	5	2			1.60	1.60	1.50						
38.036	87.434	3.43	1.23			57	25	6	3			1.65	1.40	1.60						
38.002	87.506	3.52	1.10			55	27	8	5			1.70	1.35	1.80						
37.971	87.583	3.74	1.07			56	26	7	4			1.60	1.60	1.60						
37.946	87.661	3.54	1.42			58	24	5	2			1.60	1.60	1.60						
37.924	87.740	3.30	1.43			57	25	6	2			1.50	1.75	1.50						
37.927	87.835	3.03	1.52			58	24	5	1			1.30	2.00	1.30						
37.936	87.915	3.07	1.36			58	24	5	1			1.45	1.90	1.50						
37.945	87.996	3.16	1.83			58	24	5	1			1.60	1.90	1.40						
37.956	88.077	3.17	1.56			57	26	7	3			1.60	1.85	1.50						
37.965	88.159	3.48	1.77			57	25	6	2			1.60	1.65	1.60						
37.973	88.239	3.52	1.56			59	24	5	1			1.60	1.55	1.60						
37.981	88.322	3.32	1.60			58	24	4	0			1.60	1.40	1.30						
37.989	88.403	3.16	1.60			58	24	4	0			1.60	1.40	1.30						
37.996	88.486	3.44	1.63			58	24	5	1			1.60	1.60	1.50						
38.005	88.568	3.00	1.17			58	23	4	-0			1.60	1.60	1.50						
38.014	88.649	3.05	1.59			58	22	3	-1			1.75	2.00	1.60						
38.023	88.730	2.48	1.47			57	23	4	-0			1.78	2.14	1.84						
38.031	88.814	2.79	1.48			60	20	1	-3			1.85	1.80	1.75						
38.040	88.895	2.62	1.52			60	20	1	-3			1.78	1.60	1.60						
38.047	88.971	2.96	1.61			58	22	2	-1			1.60	1.60	1.35						
38.055	89.053	3.05	1.41			59	22	2	-2			1.80	1.60	1.85						
38.060	89.137	2.70	1.32			57	22	3	-1			1.84	1.60	1.90						
38.062	89.223	2.95	1.39			57	22	3	-1			1.80	1.60	1.75						
38.064	89.308	2.98	1.43			58	21	2	-2			1.70	1.60	1.55						
38.068	89.388	2.81	1.44			57	22	4	-1			1.60	1.80	1.30						
38.068	89.470	3.31	1.43			56	23	5	-0			1.60	1.90	1.30						
38.069	89.555	3.11	1.33			57	22	4	-1			1.60	2.05	1.30						
38.068	89.639	3.66	1.44	1.23		55	23	6	-0	-4		1.65	2.05	1.30	-2.00					
38.070	89.718	3.03	1.42	1.15		56	22	5	-1	-5		1.50	2.05	1.10	-1.70					

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 6

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.089	89.793	2.58	1.25	1.48		56	22	5	-1	-4		1.50	2.20	.85	-1.30					
38.114	89.862	3.21	1.45	.54		56	22	5	-1	-4		1.60	2.20	1.15	-1.40					
38.156	89.921	3.82	1.77	.54		58	20	3	-3	-6		1.30	2.20	.90	-1.35					
38.202	89.973	3.56	1.33	.83		56	22	5	-1	-4		1.40	2.20	.60	-.80					
38.253	90.017	3.66	1.61	1.03		56	23	5	-1	-4		1.60	2.20	.75	-.35					
38:309	90.046	3.32	1.74	1.15		55	23	5	-0	-2		1.40	2.20	.75	-.45					
38.373	90.047	3.59	1.30	.62		54	24	6	1	-1		1.40	1.75	.50	-.40					
38.435	90.047	3.57	1.30	.57		55	23	5	-0	-2		1.60	1.75	1.00	-.20					
38.498	90.047	3.15	1.67	-.13		55	23	5	-0	-2		1.70	1.80	1.20	-.10					
38.559	90.060	2.49	1.22	.30		55	23	5	0	-2		1.90	2.05	1.35	0.00					
38.611	90.093	3.29	1.23	.24		57	21	3	-2	-4		2.15	1.75	1.70	.13					
38.637	90.146	3.47	1.42	.46		54	24	5	1	-1		2.05	1.60	1.95	.45					
38.657	90.190	3.85	1.33	.12		55	24	4	-0	-1		1.60	1.50	1.45	.70					
38.680	90.233	3.77	1.50	.60		55	24	5	0	-1		1.60	1.80	1.30	.70					
38.702	90.272	3.94	1.31	.27		54	25	6	1	0		1.60	1.90	1.35	.60					
38.719	90.309	3.86	1.25	.51		54	25	6	2	1		1.65	1.85	1.55	.55					

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 7

REFERENCE						ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.762	90.314	1.96	1.49	.98		57	21	1	-3	-4		1.80	2.88	2.15	2.00			1.12	.74	
38.786	90.260	1.23	1.12	.33		56	22	3	-2	-3		1.90	2.57	2.20	2.35			1.11	.50	
38.830	90.224	1.41	1.08	1.15		56	22	3	-1	-2		2.30	3.00	2.53	1.65			1.08	.99	
38.891	90.249	.93	1.13	1.62		55	24	4	-0	-1		2.45	3.20	2.83	1.35			1.09	1.26	
38.954	90.269	1.64	1.10	1.68		55	24	4	0	-0		2.30	2.90	2.77	1.90			1.10	1.12	
39.003	90.314	1.95	1.14	1.37		55	23	3	0	0		2.40	2.83	3.00	2.20			1.14	1.36	
39.051	90.354	1.90	1.17	1.44		55	23	3	-0	-0		2.10	2.50	2.77	2.20			1.15	1.30	
39.097	90.390	1.92	1.18	1.56		55	24	4	1	1		2.05	2.50	2.50	1.95			1.18	1.36	
39.144	90.418	1.87	1.21	1.30		57	21	1	-2	-2		1.90	2.50	2.50	1.90			1.18	1.26	
39.193	90.440	1.99	1.20	1.35		54	24	4	1	1		1.90	2.50	2.20	1.70			1.18	1.24	
39.243	90.462	1.78	1.23	1.67		53	25	4	2	2		1.90	2.50	2.35	1.55			1.18	1.37	
39.295	90.486	2.27	1.21	1.95		55	23	2	-0	0		2.15	2.50	2.50	1.65			1.15	1.55	
39.315	90.547	2.94	1.16	2.01		54	24	3	1	2		2.50	2.20	2.83	1.90			1.13	1.69	
39.328	90.624	3.25	1.22	2.93		54	24	3	1	2		2.35	2.20	2.90	1.65			1.19	2.58	
39.340	90.701	3.22	1.18	2.14		53	25	4	2	3		2.00	2.20	2.77	1.60			1.18	2.02	
39.355	90.779	3.28	1.20	2.13		53	25	5	3	4		1.90	2.20	2.35	1.60			1.22	2.22	
39.376	90.853	2.73	1.23	2.41		54	23	3	1	2		1.75	2.35	2.10	1.40			1.25	1.98	
39.420	90.911	2.40	1.32	3.12		54	23	3	1	2		1.75	2.50	1.90	1.35			1.31	2.00	
39.465	90.971	2.64	1.23	2.15		53	24	4	2	4		1.85	2.40	1.90	1.35			1.21	2.03	
39.515	91.023	2.45	1.28	2.19		53	24	4	1	4		1.80	2.40	1.90	1.40			1.24	1.94	
39.570	91.069	2.30	1.26	2.19		53	24	4	2	4		1.85	2.25	1.90	1.55			1.20	1.90	
39.625	91.114	2.48	1.23	1.91		52	25	5	2	5		1.90	2.15	1.90	1.60			1.22	1.85	
39.680	91.161	2.33	1.52	2.73		52	25	4	2	5		1.90	1.90	1.96	1.60			1.35	2.05	
39.736	91.206	2.21	1.45	2.39		52	25	4	2	6		1.90	1.75	1.90	1.60			1.47	2.15	
39.790	91.253	2.57	1.35	2.00		52	25	4	2	6		1.90	1.90	1.90	1.60			1.41	1.70	
39.836	91.311	3.14	1.19	1.75		53	23	2	1	4		2.20	1.85	2.05	1.85			1.16	1.93	
39.851	91.388	2.39	1.21	1.23		53	23	2	1	5		2.15	1.60	2.20	2.05			1.19	.69	
39.869	91.471	2.41	1.18	.26		52	24	3	2	6		1.90	1.85	2.05	1.65			1.17	.12	
39.887	91.553	2.41	1.19	.35		52	24	3	2	6		1.90	1.90	1.90	1.60			1.22	.16	
39.905	91.637	2.41	1.19	.40		51	24	4	3	7		1.90	1.70	1.90	1.60			1.21	.27	
39.922	91.721	2.51	1.20	.45		52	23	3	2	6		1.90	1.40	1.85	1.60			1.24	.34	
39.940	91.803	2.59	1.20	.64		53	22	2	1	6		1.70	1.35	1.90	1.65			1.14	-.06	
39.958	91.888	2.67	1.15	.30		54	21	2	1	6		1.60	1.35	1.90	1.60			1.18	.13	
39.976	91.972	2.59	1.20	.80		53	21	2	1	6		1.60	1.60	1.60	1.65			1.18	-.08	
39.995	92.056	2.49	1.15	.19		53	21	2	0	6		1.60	1.60	1.60	1.60			1.17	.04	
40.015	92.141	2.52	1.21	.64		52	22	3	1	7		1.60	1.65	1.35	1.40			1.21	.05	
40.034	92.226	2.45	1.17	.71		53	22	3	1	7		1.60	1.80	1.20	1.30			1.26	.34	
40.056	92.313	2.52	1.27	.96		51	22	3	2	8		1.60	1.90	1.30	1.30			1.29	.73	
40.084	92.394	2.52	1.30	1.07		52	21	2	1	7		1.60	1.90	1.40	1.30			1.30	.81	
40.112	92.474	2.46	1.26	.59		50	23	4	3	9		1.60	1.80	1.20	1.30			1.23	.45	
40.139	92.555	2.51	1.26	.77		50	24	4	4	11		1.60	1.50	1.30	1.40			1.31	.56	
40.169	92.638	2.52	1.26	.93		51	22	2	2	9		1.60	1.30	1.15	1.35			1.29	.73	
40.196	92.721	2.62	1.26	.87		52	20	1	-0	8		1.70	1.30	1.10	1.30			1.32	.82	
40.222	92.806	2.67	1.23	.90		51	22	3	2	10		1.60	1.30	1.30	1.35			1.26	.66	
40.248	92.889	2.60	1.24	.77		52	20	1	0	8		1.60	1.50	1.30	1.30			1.27	.56	
40.275	92.973	2.59	1.31	1.24		52	20	1	-0	8		1.60	1.30	.90	1.20			1.31	.60	
40.304	93.057	2.59	1.29	1.30		50	21	3	2	10		1.60	1.30	.90	1.30			1.25	.70	
40.331	93.140	2.59	1.34	1.42		50	21	3	2	10		1.60	1.25	1.00	1.40			1.38	1.01	
40.356	93.224	2.56	1.28	1.01		51	20	1	1	9		1.60	1.00	1.00	1.30			1.33	.88	

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 7

REFERENCE LAT DEG	REFERENCE LONG DEG	TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ	ATM NOISE dB	ONI-7000#1 SNR dB M	W	X	Y	Z	ECD uS M	W	X	Y	Z	TDL-711 TD BIAS uS MW	MX	MY	MZ
40.382	93.308	2.60	1.33	1.17		50	21	2	2	10		1.60	1.00	.95	1.35			1.43	1.13	
40.406	93.391	2.67	1.34	1.70		50	21	2	2	11		1.60	.95	1.05	1.30			1.36	1.07	
40.431	93.474	2.49	1.37	1.27		51	20	2	1	11		1.60	.85	1.40	1.30			1.38	1.14	
40.454	93.559	2.61	1.34	1.90		51	19	1	-0	10		1.60	1.05	1.20	1.45			1.40	1.04	
40.481	93.640	2.58	1.35	1.19		53	18	-1	-2	9		1.60	1.25	.95	1.30			1.42	1.05	
40.508	93.725	2.61	1.35	1.27		50	20	2	1	11		1.60	1.25	1.00	1.30			1.43	1.20	
40.536	93.806	2.58	1.38	1.34		50	21	3	2	12		1.60	1.45	1.00	1.30			1.44	1.14	
40.565	93.888	2.45	1.38	1.21		49	21	3	2	12		1.60	1.50	1.05	1.30			1.44	1.14	
40.594	93.968	2.50	1.40	1.14		50	19	2	1	11		1.55	1.30	1.35	1.35			1.50	.86	
40.619	94.055	2.40	1.43	1.33		49	20	3	1	12		1.60	1.55	1.20	1.35			1.46	1.24	
40.643	94.138	2.60	1.38	1.05		51	18	1	-1	10		1.45	1.35	.80	1.30			1.48	1.07	
40.666	94.222	2.61	1.41	1.36		52	17	-1	-2	9		1.60	1.00	.90	1.30			1.50	1.20	
40.691	94.305	2.63	1.39	1.15		49	21	3	2	13		1.60	1.10	1.00	1.30			1.49	1.33	
40.717	94.387	2.64	1.46	1.29		49	20	3	2	13		1.60	1.50	1.00	1.20			1.47	.83	
40.749	94.466	2.71	1.37	.75		49	19	3	1	13		1.45	1.35	.95	1.05			1.47	.65	
40.781	94.544	2.55	1.49	1.28		49	19	3	1	13		1.60	1.40	.90	1.20			1.45	.86	
40.814	94.627	2.56	1.37	.44		49	19	2	1	13		1.40	1.40	.45	1.20			1.42	.51	
40.847	94.704	2.55	1.47	1.02		49	19	2	1	13		1.45	1.40	.90	1.20			1.54	.83	
40.876	94.786	2.71	1.42	1.21		49	18	2	0	13		1.45	1.25	1.00	1.30			1.52	.88	
40.905	94.870	2.80	1.53	2.05		50	18	2	-1	13		1.40	1.15	1.15	1.30			1.55	1.17	
40.933	94.952	2.72	1.50	1.53		48	19	2	1	14		1.30	1.55	.70	1.30			1.55	.99	
40.960	95.036	2.72	1.42	1.29		49	18	1	-0	13		1.30	1.40	.50	1.30			1.50	1.19	
40.983	95.123	2.66	1.44	1.33		49	18	1	0	13		1.30	1.55	.38	1.25			1.57	1.26	
41.006	95.206	2.78	1.32	.53		48	18	2	1	14		1.35	1.45	.50	1.10			1.36	.23	
41.030	95.292	2.79	1.33	.64		48	18	2	1	14		1.30	1.40	.75	1.25			1.40	.20	
41.054	95.378	2.94	1.23	.17		48	18	1	0	14		1.30	1.60	.95	1.10			1.24	.14	
41.081	95.462	2.68	1.33	.85		48	18	1	0	14		1.30	1.60	.75	1.30			1.38	.29	
41.106	95.548	2.77	1.31	.38		49	17	0	-1	13		1.30	1.50	.13	1.20			1.38	-.24	
41.132	95.635	2.85	1.25	.08		49	17	1	-1	14		1.30	1.45	.32	1.15			1.34	.00	
41.159	95.719	2.79	1.37	.78		48	17	1	-1	15		1.30	1.55	-.15	1.30			1.50	.29	
41.173	95.808	3.06	1.16	-.00		48	17	0	-1	14		1.30	1.40	.07	1.65			1.23	-.11	
41.162	95.897	2.97	1.30	.43		48	17	-0	-1	14		1.30	1.25	.13	1.40			1.38	.01	
41.160	95.988	2.86	1.35	.28		47	18	1	0	16		1.30	1.50	.27	1.30			1.46	.07	
41.158	96.080	2.93	1.31	.06		47	18	1	0	16		1.30	1.40	0.00	1.30			1.46	-.09	
41.155	96.172	3.09	1.22	-.18		47	18	2	0	17		1.30	1.55	-.25	1.25			1.34	-.41	
41.154	96.266	2.92	1.32	.01		48	16	0	-1	15		1.30	1.55	.03	1.30			1.52	-.06	
41.150	96.359	2.94	1.33	.11		49	15	-1	-3	14		1.30	1.10	.50	1.30			1.38	.07	
41.142	96.452	2.86	1.32	.43		47	17	0	-1	16		1.25	1.35	0.00	1.30			1.51	.19	
41.133	96.546	3.04	1.30	.38		48	15	-1	-2	15		1.30	1.30	-.35	1.30			1.51	.08	
41.123	96.640	3.08	1.24	.18		48	15	-1	-2	15		1.30	1.05	-.25	1.30			1.37	-.09	
41.113	96.733	3.00	1.26	-.00		48	15	-1	-2	14		1.20	1.00	0.00	1.30			1.41	-.08	
41.101	96.825	2.94	1.33	.12		48	15	-1	-2	14		1.30	.90	-.25	1.20			1.38	-.02	
41.089	96.916	2.88	1.29	.09		48	15	-1	-3	14		1.30	.95	-.25	1.20			1.44	-.06	
41.077	97.008	2.88	1.31	.11		48	15	-1	-3	14		1.20	1.55	.07	1.30			1.43	-.05	
41.066	97.100	2.82	1.30	.06		49	14	-2	-4	13		1.05	1.55	0.00	1.25			1.43	.01	
41.055	97.192	2.74	1.39	.36		48	15	-1	-3	14		1.25	1.35	-.15	1.15			1.53	.22	
41.042	97.301	2.75	1.32	.22		48	15	-1	-3	14		1.30	1.40	-.35	1.30			1.43	.09	
41.035	97.376	2.68	1.36	.19		46	17	2	-1	17		1.25	1.50	-.25	1.20			1.54	.09	
41.025	97.483	2.68	1.34	.14		47	15	-0	-3	15		1.15	1.50	-.25	1.30			1.49	.02	

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 7

REFERENCE						ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.016	97.575	2.59	1.37	.09		47	15	-0	-3	15		1.25	1.55	-.25	1.30			1.51	-.03	
41.012	97.668	2.57	1.42	.27		48	15	-1	-4	15		1.20	1.50	-.45	1.30			1.50	.24	
41.008	97.761	2.66	1.36	.08		47	16	1	-3	16		1.15	1.40	-.95	1.30			1.45	-.05	
41.005	97.854	2.72	1.39	.45		46	15	1	-3	16		1.30	1.50	-1.35	1.30			1.63	.13	
41.002	97.946	2.63	1.35	.04		46	15	1	-3	16		1.15	1.45	-1.65	1.40			1.56	-.13	
41.000	98.038	2.57	1.45	.30		47	14	0	-4	15		1.05	1.20	-1.55	1.60			1.57	.16	
40.999	98.130	2.64	1.49	.35		47	15	1	-4	16		1.20	1.55	-1.75	1.55			1.52	.12	
40.999	98.222	2.69	1.40	.31		46	15	1	-3	16		1.15	1.55	-1.80	1.60			1.55	.07	
40.989	98.314	2.84	1.35	.29		47	13	-1	-5	15		1.15	1.20	-1.80	1.80			1.57	.30	
40.977	98.403	2.65		.25		46	15	1		16		1.20	1.20		1.70			1.59	.04	
40.970	98.491	2.32		.69		46	14	-0		15		1.20	1.45		1.60			1.78	.55	
40.976	98.580	2.41		.48		45	14	1		16		1.00	1.45		1.35			1.80	.47	
40.981	98.668	2.51		.32		46	13	0		15		1.00	1.60		1.60			1.65	-.09	
40.987	98.756	2.40		.24		45	14	1		16		1.20	1.60		1.60			1.67	.10	
40.992	98.846	2.52		.28		46	13	-1		16		1.05	1.35		1.55			1.66	.08	
40.997	98.935	2.46		.21		45	13	-1		15		1.00	1.20		1.55			1.71	.02	
40.997	99.026	2.56		.32		45	13	-1		15		.75	.70		1.45			1.67	-.17	
40.998	99.116	2.44		.31		45	13	-1		15		.80	.45		1.15			1.74	-.11	
40.998	99.208	2.39		.14		44	15	1		17		.75	.40		1.30			1.84	-.06	
40.999	99.300	2.38		-.08		44	13	-0		16		.76	.40		1.18			1.76	-.27	
41.001	99.392	2.22		.17		45	12	-1		15		.70	.40		1.30			1.78	-.02	
41.006	99.484	2.37		.29		45	13	-0		16		.70	.80		1.10			1.73	-.06	
41.009	99.577	2.48		-.02		46	12	-1		15		.70	.60		1.00			1.87	-.28	
41.011	99.670	2.54		-.04		46	11	-2		14		.75	.90		1.10			1.86	-.38	
41.015	99.764	2.23		.23		46	11	-2		14		.55	1.05		1.00			1.92	.08	
41.018	99.856	2.30		.14		46	10	-2		14		.55	.55		1.00			1.93	.05	
41.023	99.948	2.38		.16		45	11	-1		15		.65	.60		1.00			1.71	-.10	
41.028	100.041	2.33		.35		45	11	-2		15		.70	.45		1.05			1.88	-.15	
41.031	100.133	2.40		-.04		46	11	-3		14		.60	.70		1.10			1.88	-.23	
41.033	100.227	2.28		.18		46	10	-3		14		.50	.85		1.00			1.99	.08	
41.033	100.319	2.43		.28		45	10	-2		14		.60	1.00		1.00			1.87	-.17	
41.034	100.411	2.47		-.03		45	10	-2		14		.50	1.00		1.00			1.66	-.30	
41.036	100.504	2.33		.21		45	10	-3		14		.45	1.20		1.00			1.93	-.18	
41.039	100.595	2.42		.12		45	9	-3		13		.45	1.05		.75			1.76	-.26	
41.044	100.689	2.44		.10		45	9	-3		13		.40	.60		.70			1.84	-.14	
41.048	100.779	2.50		-.19		44	10	-2		14		.27	.40		.45			1.82	-.31	
41.054	100.872	2.41		.00		45	9	-3		13		.45	.55		.65			1.82	-.28	
41.060	100.963	2.46		.06		45	9	-4		13		.33	.40		.50			1.90	-.53	
41.066	101.054	2.43		-.27		44	10	-3		14		.40	.50		.40			1.90	-.48	
41.069	101.146			-.29		44	9			14		.40			.40			1.79	-.52	
41.071	101.239			-.02		44	9			14		.40			.27			1.90	-.18	
41.073	101.331			-.01		45	8			13		.40			.27			1.86	-.21	
41.073	101.423			.05		45	9			13		.33			.27			1.81	-.14	
41.073	101.514			.02		45	8			12		-.03			.07			1.81	-.36	
41.073	101.604			.37		45	8			12		0.00			.10		2.15	1.76	.07	
41.071	101.692			.11		44	8			13		-.15			-.35		2.21		.98	
41.074	101.783			.60		44	8			13		-.25			-.50					
41.076	101.871			.18		45	7			12		.02			-.45					
41.075	101.957			-.27		45	7			12		.07			-.50					

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 7

REFERENCE							ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.076	102.045			-.23		44	8			13		.08			-.50					
41.076	102.131			-.32		44	8			13		.33			-.50					
41.077	102.217			-.29		44	8			12		.07			-.40					
41.075	102.301			-.53		45	7			12		-.08			-.35					
41.076	102.391			-.26		44	7			12		-.25			-.35					
41.077	102.482			.21		44	7			12		-.30			-.50					
41.080	102.567			-.07		44	7			12		-.25			-.60					
41.081	102.654			-.30		44	7			13		-.13			-.85					
41.086	102.743			-.93		44	6			12		-.12			-.90					
41.091	102.833			-.67		44	6			12		.08			-.90					
41.096	102.926			-.95		44	6			12		-.03			-.80					
41.096	103.016			-.74		44	6			11		-.35			-.90					
41.101	103.107			-.58		45	5			10		-.45			-.85					
41.106	103.195			-.35		44	5			11		-.60			-.90					
41.112	103.281			-.09		45	4			10		-.55			-.80					
41.117	103.366			-.17		45	4			10		.28			-.85					
41.121	103.452			-.30		45	4			10		-.25			-.75					
41.130	103.537			-.33		44	5			11		-.50			-1.00					
41.142	103.623			-.19		45	3			10		.48			-.95					
41.150	103.705			-.77		45	3			10		-.02			-.80					
41.161	103.793			-.39		44	4			11		-.65			-.85					
41.170	103.878			-.46		44	4			11		-.30			-.85					
41.182	103.966			-.63		44	4			11		.55			-.90					
41.193	104.049			-1.02		44	4			10		.53			-.90					
41.206	104.135			-.96		44	3			10		.15			-.85					
41.215	104.223			-.95		45	3			10		-.25			-.95					
41.223	104.310			-1.18		45	2			9		.37			-1.00					
41.224	104.415			-1.04		45	2			9		.20			-.95					
41.218	104.502			-1.29		45	2			9		.48			-1.25					
41.214	104.594			-.64		44	2			10		.45			-1.35					
41.207	104.682			-1.17		45	2			10		.58			-1.40					
41.205	104.770			-1.03		45	3			10		.85			-1.50					
41.217	104.858			-.84		45	2			10		.90			-1.75					
41.228	104.947			-.98		45	2			10		.52			-1.75					
41.238	105.034			-1.25		45	2			10		.72			-1.60					
41.252	105.120			-1.11		46	2			9		.78			-2.03					
41.266	105.208			-1.17		45	2			9		1.00			-2.75					
41.278	105.295			-1.11		45	2			10		1.55			-1.92					
41.291	105.380			-.91		45	2			9		1.90			-1.20					
41.373	105.853			-1.08		46	-2			7		-1.95			-3.40					
41.421	106.048			-.91		46	-1			7		.40			-2.56					
41.442	106.128			-1.33		46	-0			7		2.87			-2.95					
41.461	106.205					46	-1			7		3.20			-2.90					
41.478	106.282					48				4					-3.05					
41.494	106.362					50				2					-3.10					
41.504	106.445					48				5					-2.70					
41.515	106.529					46				7					-2.95					
41.527	106.613					46				6					-2.95					
41.540	106.696					47				4					-3.10					

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 7

REFERENCE							ONI-7000#1													TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.557	106.775					47				4					-3.05					
41.576	106.852					47				4					-3.10					
41.598	106.929					47				4					-2.80					
41.619	107.006					46				5					-2.80					
41.638	107.082					47				4					-3.05					
41.656	107.155					48				3					-3.10					
41.673	107.228					51				0					-3.10					
41.691	107.304					54				-4					-3.10					
41.706	107.369					57				-7					-3.10					
41.720	107.455					59				-7					-3.10					
41.740	107.534					55				-4					-3.10					
41.756	107.611					52				-1					-2.95					
41.745	107.686					51				-1					-2.70					
41.732	107.761					51				-1					-2.50					
41.718	107.836					50				-0					-2.10					
41.704	107.911					51				-0					-2.05					
41.689	107.987					51				-1					-2.05					
41.674	108.065					50				-0					-1.85					
41.659	108.146					49				1					-1.75					
41.648	108.228			-1.51		49				0					-.90					
41.638	108.309					50	-8			-1		5.40			0.00					
41.627	108.390					53				-5					0.00					
41.619	108.467					54				-5					.13					
41.613	108.545					57				-9					.40					
41.610	108.623					60				-11					.40					
41.607	108.700					64				-15					.40					
41.603	108.778					67				-18					.40					
41.599	108.854					70				-20					.40					
41.589	108.975					68				-19					.40					
41.582	109.012					71				-25					.40					
41.574	109.125					74				-25					.40					
41.592	109.245					75				-25					.40					
41.542	109.303					72				-21					.40					
41.536	109.373					61				-11					.40					
41.570	109.453					56				-8					.40					
41.581	109.528					56				-8					.40					
41.562	109.598					55				-6					.40					
41.555	109.668					53				-5					.33					
41.527	109.735					50				-3					.32					
41.514	109.806					48				-1					.78					
41.518	109.882			-8.23		47				-1					1.30					

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WINTER STABILITY TABLE - 9970 CHAIN - SEGMENT 8

REFERENCE																							
										ONI-7000#1											TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.981	109.186																			
39.211	109.025					70				-25					-.23					
39.260	108.955					61				-15					-.30					
39.283	108.889					53				-9					-.23					
39.265	108.778					51				-6					0.00					
39.235	108.730					50				-6					.20					
39.198	108.700					49				-6					-.17					
39.218	108.771			-.18		50	-15			-7		-.30			-.50					
39.252	108.761			-.69		49	-15			-6		-.30			-.70					

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 9

REFERENCE							ONI-7000#1													TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
39.103	108.674			-.85		53	-18			-10		1.00			-1.30					
39.081	108.722			-.79		54	-19			-11		1.18			-1.14					
39.110	108.798			-1.03		54	-20			-11		1.15			-.45					
39.018	108.854			-1.68		54	-20			-10		1.00			.28					
38.991	108.789			-.97		53	-19			-10		1.00			-.08					
39.019	108.723			-.14		53	-19			-10		1.00			-.35					
39.066	108.710			-.88		53	-19			-10		.95			-.55					
39.107	108.740			-.73		52	-18			-10		.90			-.13					
39.092	108.799			-1.87		51	-17			-9		.95			.50					
39.029	108.759			-1.13		52	-19			-10		1.06			1.18					
39.007	108.652			-1.37		51	-18			-9		1.00			1.10					
38.972	108.543			-1.55		51	-18			-9		1.15			.90					
38.936	108.436			-1.72		52	-19			-10		1.30			.40					
38.899	108.328			-1.64		50	-18			-8		1.30			.10					
38.869	108.237			-1.53		51	-19			-9		1.30			-.60					
38.815	108.072			-1.68		51	-19			-8		1.30			-.85					
38.775	107.966			-1.90		50	-17			-7		1.30			-.30					
38.741	107.855			-2.05		49	-16			-6		1.30			-.30					
38.707	107.747			-1.69		48	-15			-6		1.30			-.20					
38.668	107.639			-.69		49	-15			-9		1.30			.13					
38.630	107.532			-.71		49	-15			-11		1.25			.20					
38.591	107.424			-.44		49	-14			-12		1.25			.27					
38.553	107.316			-1.17		48	-13			-11		1.00			.45					
38.515	107.208			-1.80		46	-10			-9		1.10			.75					
38.483	107.118			-1.23		45	-8			-7		1.00			1.00					
38.477	107.100			-.13		43	-2			2		1.00			0.00					
38.369	105.973			.12		41	0			3		.27			-.90					
38.364	105.896			.17		41	1			5		.40			0.00					
38.359	105.819			-.40		41	4			5		-.90			-1.90					
38.343	105.464			.13		41	5			5		-.30			-2.10					
38.339	105.309			.20		43	4			4		-.50			-1.80					
38.335	105.194			-.28		42	5			5		-.38			-1.50					
38.329	105.043			-.75		44	4			5		-.25			-1.90					
38.323	104.929			-.57		43	4			6		-.35			-1.80					
38.319	104.811			-.56		43	4			7		-.30			-1.65					
38.310	104.694			-.78		43	4			6		.15			-1.50					
38.301	104.578			-.18		44	3			5		.85			-.85					
38.292	104.463			-.34		44	3			5		.42			-1.15					
38.285	104.352			-.26		44	3			5		.38			-1.20					
38.282	104.231			-.81		43	5			6		.64			-1.26					
38.279	104.117			-.80		43	5			6		.55			-1.20					
38.276	104.001			-1.14		43	5			7		.75			-1.25					
38.270	103.886			-1.22		43	5			7		.80			-1.20					
38.264	103.768			-.98		44	4			6		.50			-1.30					
38.259	103.656			-.92		44	5			6		.70			-1.30					
38.252	103.541			-.96		45	4			5		.85			-.90					
38.244	103.426			-.91		45	4			5		.50			-.45					
38.237	103.314			-1.00		45	5			6		.55			-.55					
38.227	103.201			-1.12		45	4			5		.90			-.85					

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 9

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.219	103.086			-.91		45	5			5		.80			-1.00					
38.209	102.970			-1.26		46	4			4		.80			-1.20					
38.198	102.856			-1.55		45	5			5		.95			-1.10					
38.188	102.745			-1.73		45	6			7		.95			-.90					
38.179	102.631			-1.21		44	6			7		.95			-.75					
38.170	102.514			.01		45	6			7		.70			-.35					
38.154	102.404			-.30		45	6			6		.50			-.55					
38.134	102.289			-.50		45	6			6		.60			-.65					
38.114	102.156			-.53		45	7			7		.27			-.90					
38.095	102.041			-.95		44	8			7		.45			-.80					
38.073	101.909			-.69		45	7			6		.50			-.80					
38.059	101.814			-.88		45	7			6		.80			-.85					
38.041	101.680			-.52		45	7			6		.80			-.70					
38.021	101.567			-.90		45	8			6		.79			-.69					
37.996	101.433			-.48		45	8			6		1.00			-.50					
37.973	101.321			-.22		45	9			7		.85			-.70					
37.958	101.202			-.91		45	8			6		.83			-1.07					
37.944	101.069			-.20		46	8			6		.95			-.85					
37.935	100.957			-1.10		46	8			6		1.05			-.80					
37.927	100.863			-.93		46	9			7		1.05			-.80					
37.920	100.751			-.52		45	9			7		1.00			-.30					
37.908	100.623			-.53		45	9			7		1.05			-.13					
37.897	100.511			-.17		46	10			7		1.00			-.40					
37.886	100.392			-.02		46	9			6		1.00			-.30					
37.877	100.302			-.46		46	9			6		.95			-.30					
37.867	100.188			-.88		46	9			6		1.00			-.24					
37.854	100.055			-.19		47	8			5		1.10			-.40					
37.854	99.943	.32		-.20		47	8	2		5		.90	1.90		-.65					
37.859	99.833	2.53		.15		47	9	3		5		1.05	1.85		-.70					
37.864	99.724	2.61		.20		46	10	4		6		1.25	1.75		-.35					
37.867	99.615	2.52		.06		46	10	4		6		1.15	1.55		-.40					
37.869	99.522	2.54		.00		47	9	3		5		1.15	1.70		-.30					
37.875	99.394	2.48		.33		47	10	3		5		1.10	1.60		-.70					
37.887	99.288	1.80		-.32		47	10	3		5		1.25	1.60		-.65					
37.898	99.183	2.35		.39		47	10	3		6		1.05	1.70		-.20					
37.907	99.075	1.76		-.29		47	10	4		6		1.25	1.90		-.25					
37.917	98.966	2.61		-.18		48	10	3		5		1.30	1.70		-.35					
37.926	98.859	2.49		-.56		48	11	4		6		1.00	1.75		-.25					
37.937	98.751	2.64		-.17		48	10	3		5		1.00	1.70		-.35					
37.946	98.641	1.94		-.48		48	10	3		5		1.21	1.51		-.26					
37.956	98.513	1.77		-.73		49	10	3		5		1.00	1.55		-.30					
37.965	98.404	2.63		-.31		49	10	3		4		1.13	1.60		-.43					
37.977	98.276	2.68		-.54		49	10	3		4		1.20	1.60		-.30					
37.988	98.169	2.46		-.48		48	11	4		5		1.06	1.54		-.24					
37.993	98.060	2.48		-.77		49	10	3		4		1.30	1.55		.15					
37.998	97.950	2.60		-.39		50	9	2		3		1.25	1.30		-.25					
37.950	97.850	2.44		-1.29		49	11	3		4		1.25	1.35		.28					
37.871	97.766	2.53		-.73		50	10	2		3		1.30	1.30		.10					
37.808	97.669	1.70		-1.19		50	10	2		3		1.26	1.30		-.39					

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 9

REFERENCE						ONI-7000#1												TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS				
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
37.724	97.561	2.77		-1.09		47	13	6		5		1.30	1.51		-.34					
37.606	97.515	3.49		-1.68		49	11	4		4		1.30	1.35		-.05					
37.506	97.476	2.75		-.95		49	12	6		4		1.25	1.55		0.00					
37.405	97.442	2.84		-1.34		48	12	6		4		1.25	1.30		.33					
37.303	97.414	2.45		-1.22		47	13	7		5		1.21	1.30		-.17					
37.182	97.372	2.88		-1.38		48	12	6		4		1.15	1.35		-.30					
37.085	97.324	2.32		-1.43		47	13	7		4		1.25	1.30		-.35					
37.006	97.276	2.64		-.79		49	11	6		2		1.20	1.50		-.65					
36.893	97.213	2.50		-1.50		50	10	5		1		1.30	1.47		-.39					
36.785	97.147	1.01		-1.60		49	11	6		2		1.12	1.30		-.36					
36.787	97.037	1.93		-.78		49	11	6		1		1.30	1.50		-.55					
36.791	96.928	1.71		-.46		49	11	6		1		1.10	1.30		-.35					
36.813	96.823	1.57		-.35		49	11	6		1		1.30	1.65		-.25					
36.836	96.722	2.03		-.55		50	11	6		1		1.30	1.60		-.30					
36.856	96.637	1.93		-.17		49	12	6		2		1.30	1.45		-.30					
36.887	96.516	.61		-.57		50	11	6		1		1.30	1.34		-.30					
36.918	96.397	1.88		-.28		50	11	6		1		1.30	1.60		-.30					
36.948	96.294	1.85		-.02		50	11	6		1		1.30	1.69		-.30					
36.980	96.179	1.32		-.63		50	12	6		1		1.30	1.90		-.60					
37.005	96.073	1.44		-1.52		50	12	6		1		1.30	1.55		-.20					
37.031	95.969	1.29		-.83		50	12	6		1		1.25	1.45		0.00					
37.050	95.863	1.27		-.73		50	12	6		1		1.30	1.30		.13					
37.069	95.737	1.74		-.82		49	13	7		2		1.30	1.30		-.30					
37.081	95.626	1.51		-1.01		50	13	6		1		1.30	1.34		-.13					
37.099	95.496	1.54		-1.41		50	13	6		1		1.30	1.30		-.30					
37.113	95.386	1.75		-.75		50	13	6		1		1.30	1.60		-.56					
37.148	95.265	2.03		-.92		50	13	6		1		1.30	1.30		-.35					
37.132	95.157	1.24		-1.43		50	13	6		1		1.30	1.30		-.05					
37.095	95.047	1.91		-.71		50	14	6		1		1.30	1.30		.02					
37.053	94.943	1.51		-1.12		50	13	6		1		1.30	1.34		-.30					
37.005	94.843	1.94		-1.62		50	14	7		2		1.30	1.35		.28					
36.951	94.724	1.32		-.83		50	13	6		1		1.30	1.30		-.35					
36.907	94.622	1.31		-.92		49	14	7		2		1.26	1.26		-.43					
36.850	94.505	2.05		-.74		49	15	8		1		1.30	1.20		-.30					
36.801	94.406	.64		-1.61		49	15	8		1		1.30	1.20		-.20					
36.751	94.309	1.83		-.89		50	14	7		-0		1.30	1.15		-.50					
36.707	94.228	1.56		-.59		50	14	8		-0		1.25	1.25		-.30					
36.646	94.113	1.21		-1.24		51	13	7		-1		1.20	1.25		-.45					
36.597	94.015	1.23		-1.34		52	12	7		-2		1.30	1.30		-.30					
36.561	93.911	.76		-1.35		51	13	8		-2		1.26	1.30		-.56					
36.528	93.803	1.38		-1.47		52	12	8		-3		1.30	1.40		-.80					
36.487	93.679	1.48		-.61		52	12	8		-3		1.30	1.60		-.40					
36.456	93.572	1.71		-.92		52	13	9		-3		1.30	1.60		-.25					
36.424	93.483	1.50		-.65		52	12	9		-4		1.30	1.64		-.30					
36.386	93.387	1.27		-1.25		52	12	9		-4		1.30	1.65		-.35					
36.352	93.305	.84		-1.69		52	12	10		-4		1.24	1.60		-.78					
36.323	93.238	1.59		-.87		52	12	10		-4		1.25	1.60		-.90					
36.308	93.141	1.06		-.47		53	11	9		-6		1.30	1.75		-.50					
36.357	93.143	1.91		-.67		52	12	9		-5		1.30	1.70		-1.15					

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 9

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.373	93.195	2.42		-.97		54	10	7		-7		1.30	1.45		-1.15					
36.319	93.258	2.72		-1.38		53	11	8		-6		1.30	1.30		-1.10					
36.281	93.213	1.29		-.57		52	12	9		-6		1.30	1.40		-.90					
36.320	93.165	.57		.12		52	12	10		-5		1.30	1.81		-.81					
36.350	93.208	2.01		-.81		53	11	9		-6		1.30	1.65		-.60					
36.305	93.262	2.27		-1.28		53	11	8		-6		1.25	1.50		-.20					
36.256	93.208	1.70		-1.00		53	11	9		-6		1.30	1.66		-.36					
36.274	93.167	1.79		-.98		53	12	10		-5		1.30	1.90		-.65					
36.329	93.152	1.80		-.86		53	12	9		-5		1.30	1.90		-1.26					
36.346	93.196	2.22		-1.04		54	11	8		-6		1.30	1.75		-.85					

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 10

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.312	93.241	1.75		-.77		53	13	10		-4		1.70	2.83		1.00		1.63	1.97		
36.274	93.274	2.30		-1.07		52	13	10		-4		1.80	2.50		1.50		2.25	2.24		
36.251	93.213	1.60		-1.24		52	13	11		-4		1.30	2.50		.85		1.73	2.30		
36.256	93.149	1.39		-1.19		52	14	11		-4		1.45	2.70		-.03		1.57	2.22		
36.287	93.102	1.38		-.39		52	14	11		-4		1.60	2.90		-.35		1.23	1.98		
36.325	93.085	1.49		-.78		52	14	10		-4		1.65	2.90		-.55		1.57	1.98		
36.353	93.110	2.00		-.86		52	13	10		-4		1.80	2.90		.32		1.76	1.92		
36.363	93.160	1.43		-.20		52	13	10		-4		1.60	2.63		1.10		1.34	1.90		
36.369	93.210	1.60		-.81		51	14	11		-3		1.35	2.50		.70		1.46	1.95		
36.362	93.267	2.18		-.77		51	14	11		-3		1.60	2.30		.80		1.92	1.90		
36.298	93.287	3.15		-1.33		52	12	10		-4		1.35	1.90		.95		2.20	2.35		
36.269	93.211	1.48		-.94		52	12	10		-4		1.00	2.10		-.02		1.59	2.32		
36.272	93.117	1.28		-1.07		51	14	12		-3		1.05	2.20		-.20		1.28	2.10		
36.275	93.014	1.88		-.46		53	14	11		-5		1.30	2.20		0.00		1.33	2.03		
36.273	92.908	.87		.08		52	14	11		-4		1.45	1.90		.27		.89	1.90		
36.272	92.796	.97		-.35		52	14	11		-4		1.30	2.10		.20					
36.282	92.688	1.34		-.88		52	14	11		-4		1.30	2.20		-.10					
36.293	92.582	1.43		-.62		53	13	10		-5		1.35	1.90		.13					
36.294	92.471	2.43		-1.51		54	13	10		-6		1.60	1.70		.27					
36.283	92.357	2.56		-.84		54	13	9		-6		1.30	1.75		.33					
36.275	92.247	.96		-.22		54	13	10		-6		1.45	1.90		0.00					
36.258	92.132	1.34		-1.10		53	14	11		-5		1.30	1.90		0.00					
36.240	92.019	.96		-.37		53	14	11		-5		1.30	1.90		-.10					
36.222	91.905	.78		-.16		54	13	11		-6		1.30	2.10		-.35					
36.210	91.796	1.92		.61		53	15	12		-5		1.30	2.50		-.48					
36.203	91.684	1.77		.54		54	14	11		-6		1.30	2.35		0.00					
36.191	91.569	1.37		.96		55	13	11		-7		1.30	2.30		.33					
36.178	91.456	1.74		.94		55	13	11		-9		1.40	2.50		.65					
36.162	91.342	1.71		1.01		53	15	12		-7		1.30	2.50		1.20					
36.143	91.227	2.08		.66		55	13	11		-9		1.30	2.50		.90					
36.125	91.112	2.35		.84		56	13	10		-10		1.55	2.50		1.05					
36.106	90.996	2.21		1.41		56	13	10		-10		1.60	2.77		.85					
36.087	90.882	2.09		1.38		57	12	9		-11		1.60	2.90		1.00					
36.072	90.765	1.47		1.57		56	14	10		-10		1.45	2.90		.55					
36.070	90.652	2.81		1.65		55	15	11		-9		1.30	2.90		.20					
36.080	90.542	1.46		1.28		56	14	10		-10		1.30	2.77		-.55					
36.087	90.432	1.71		1.18		57	13	9		-11		1.55	2.50		-.02					
36.090	90.319	1.77		1.10		55	15	11		-10		1.60	2.50		.70					
36.084	90.204	1.58		.93		54	16	12		-9		1.60	2.45		.80					
36.076	90.087	1.69		1.04		56	14	10		-11		1.60	2.50		.88					
36.065	89.971	1.79		.85		57	14	9		-12		1.55	2.50		1.05					
36.055	89.856	1.82		1.02		57	14	10		-11		1.60	2.50		.90					
36.046	89.738	1.49		.52		57	14	10		-11		1.55	2.50		.75					
36.043	89.626	1.88		.65		56	15	11		-10		1.50	2.50		.70					
36.040	89.512	1.56		.51		56	15	11		-10		1.60	2.50		.70					
36.028	89.395	1.41		.04		57	14	10		-11		1.60	2.50		.65					
36.013	89.281	1.41		.21		56	15	11		-10		1.50	2.50		.53					
36.021	89.170	1.10				54	17	13				1.30	2.57							
36.032	89.062	1.09				55	16	12				1.30	2.50							

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 10

REFERENCE						ONI-7000#1														TDL-711	
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS				
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.043	88.952	1.52				56	15	11				1.30	2.40							
36.060	88.847	.75				54	17	13				1.30	2.25							
36.070	88.740	.87				54	18	14				1.55	2.05							
36.083	88.631	.82				54	17	13				1.55	2.15							
36.087	88.521	1.23				53	18	14				1.60	1.90							
36.086	88.410	1.03				54	17	12				1.30	1.90							
36.086	88.300	1.63				54	17	12				1.30	1.90							
36.089	88.190	1.71				54	17	12				1.30	1.90							
36.094	88.063	1.74				53	18	13				1.30	1.80							
36.095	87.955	1.73				52	19	14				1.30	1.70							
36.097	87.847	2.52				52	19	13				1.30	1.55							
36.101	87.740	1.67				55	17	11				1.60	1.60							
36.101	87.635	2.94				54	18	12				1.60	1.70							
36.099	87.527	3.65				54	18	12				1.50	1.65							
36.099	87.421	3.58				55	17	12				1.50	1.85							
36.098	87.314	3.11				56	16	11				1.45	1.90							
36.098	87.208	2.89				56	16	11				1.45	1.90							
36.096	87.100	2.79				57	16	11				1.40	1.90							
36.095	86.993	2.53				56	16	11				1.45	1.95							
36.101	86.886	2.67				57	16	11				1.30	1.90							
36.109	86.779	3.10				57	16	11				1.30	1.90							
36.121	86.673	2.63				57	15	10				1.30	1.90							
36.111	86.569	3.84				57	15	10				1.80	1.40							
36.065	86.454	3.16				57	15	10				1.66	1.48							
36.046	86.365	3.37				56	16	11				1.30	1.90							
36.032	86.258	3.04				55	17	12				1.40	1.70							
36.017	86.152	2.86				56	16	11				1.50	1.60							
36.003	86.045	2.37				56	15	10				1.45	1.45							
35.986	85.936	2.84				55	16	12				1.55	1.45							
35.972	85.829	2.68				55	16	12				1.55	1.60							
35.955	85.719	3.07				56	14	11				1.30	1.65							
35.939	85.613	3.73				55	14	12				1.30	1.80							
35.927	85.503	1.91				56	14	12				1.30	1.70							
35.908	85.397	2.64				56	13	11				1.50	1.55							
35.877	85.291	1.83				55	14	13				1.45	1.50							
35.840	85.190	2.05				54	15	14				1.35	1.55							
35.804	85.088	1.60				55	14	14				1.30	1.50							
35.774	84.983	1.20				54	14	14				1.10	1.85							
35.781	84.875	.68				53	15	15				.95	2.30							
35.803	84.772	.75				54	14	14				1.15	2.00							
35.822	84.665	.84				55	13	13				1.30	1.70							
35.839	84.559	1.22				55	12	12				1.30	1.60							
35.857	84.453	1.56				55	12	11				1.15	1.55							
35.870	84.344	1.85				54	13	11				1.30	1.05							
35.868	84.232	1.13				53	14	12				1.30	.70							
35.868	84.102	1.04				53	14	12				1.30	1.05							
35.866	84.008	1.49				52	14	11				1.30	.95							
35.867	83.897	1.75				52	14	10				1.25	-.02							
35.847	83.786	1.13				50	16	10				1.50	-.60							

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 10

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
35.846	83.673	.80				50	16	10				1.05	-.10							
35.848	83.563	1.11				50	16	10				1.30	-.35							
35.836	83.451	.99				50	15	9				1.30	-.60							
35.813	83.341	.70				52	13	7				1.30	-.55							
35.789	83.234	1.03				50	14	9				1.15	-.25							
35.759	83.124	.96				50	14	10				1.00	.20							
35.731	83.014	.70				51	12	9				.70	.27							
35.701	82.911	.53				51	12	9				.70	0.00							
35.665	82.803	1.09				50	12	10				.80	-.10							
35.630	82.701	.86				51	11	10				.70	.02							
35.591	82.596	.92				51	10	10				.45	0.00							
35.539	82.502	1.32				51	10	12				.70	.13							
35.482	82.410	1.21				50	11	13				.76	.70							
35.427	82.321	1.06				52	8	11				.70	.90							
35.367	82.233	.98				52	8	12				.70	1.00							
35.306	82.148	.82				52	5	12				.55	1.20							
35.231	82.082	1.49				53	2	13				-.03	1.35							
35.151	82.030	.78				54	1	12				-.15	2.00							
35.072	81.974	.79				53	2	13				-.05	2.50							
34.992	81.955	.28				53	1	13				-.50	1.95							
34.954	82.031	.71	1.19			52	3	15	-6			-.55	2.20	-1.88						
34.918	82.105	.59	1.60			52	2	15	-7			-.30	2.20	-1.80						
34.880	82.180	.92	1.49			52	1	16	-7			-.40	2.20	-1.65						
34.831	82.246	.88	1.40			55	-3	14	-10			-.40	2.20	-1.45						
34.778	82.310	1.50	1.06			52	-0	16	-7			-.65	2.35	-1.40						
34.728	82.375	.65		C		51	1	17		C		-.80	2.50			C				
34.687	82.448	.57				50	2	18				-1.05	2.57							
34.645	82.521	.65				54	-2	14				-.80	2.50							
34.603	82.592	1.02				54	-2	14				-.60	2.25							
34.559	82.664	.43				53	-1	15				-.60	2.20							
34.518	82.718	.49				54	-2	16				-.60	2.20							
34.452	82.787	.52				56	-4	15				-.60	2.35							
34.384	82.832	.36				56	-3	15				-.50	2.25							
34.320	82.881	.40				55	-3	15				-.55	2.45							
34.261	82.940	.03				57	-5	15				-.85	2.40							
34.203	83.003	.38				55	-3	17				-1.05	2.50							
34.155	83.073	.60				55	-3	17				-1.20	2.70							
34.110	83.145	.79				57	-5	15				-.95	2.63							
34.052	83.206	.90				57	-5	16				-.90	2.50							
33.991	83.263	.61				56	-3	17				-.75	2.50							
33.928	83.316	2.39				56	-3	18				-.55	2.50							
33.851	83.339	.74				56	-3	18				-.35	2.70							
33.777	83.372	.87				55	-2	19				-.50	2.57							
33.702	83.405	.38				57	-4	18				-.30	2.57							
33.628	83.428	-.41				57	-4	18				-.30	2.90							
33.534	83.451	-1.34				56	-3	19				-.30	2.95							
33.456	83.471	-.85				56	-3	21				-.35	3.20							
33.376	83.496	-.60				56	-3	20				-.35	3.15							
33.299	83.522	.14				57	-5	19				-.36	3.20							

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 10

REFERENCE						ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
33.223	83.547	-.91				58	-6	19				-.60	2.90							
33.143	83.571	-.73				57	-5	20				-.35	2.90							
33.065	83.592	-.33				56	-4	22				-.20	3.10							
32.982	83.599	.31				57	-5	21				.33	3.20							
32.899	83.607	.37				60	-8	19				.08	3.14							
32.819	83.624	-.41				60	-8	19				.45	2.95							
32.738	83.642	.05				61	-9	19				.70	3.20							
32.690	83.692	-1.28				59	-7	21				.13	3.35							
32.685	83.773	-1.81				57	-4	23				-.30	3.80							
32.683	83.846	-.99				57	-4	24				.15	3.65							
32.677	83.923	-.66				57	-3	24				.60	3.25							
32.661	83.998	-.60				58	-4	23				1.15	3.20							
32.639	84.065	-1.41				57	-3	24				1.30	3.20							
32.622	84.130	-1.95				56	-2	26				.95	3.30							
32.617	84.195	-1.51				59	-5	23				.70	3.45							
32.613	84.261	-1.63				60	-7	22				.60	3.20							
32.610	84.325	-2.23				61	-8	22				.65	3.30							
32.605	84.391	-2.17				62	-9	21				.40	3.40							
32.599	84.461	-2.16				63	-10	20				.40	3.40							
32.597	84.527	-1.00				62	-9	22				0.00	3.50							
32.598	84.595	-1.46				61	-8	22				-.10	3.20							
32.602	84.663	-2.00				60	-7	23				.07	3.20							
32.609	84.729	-1.92				57	-4	26				.20	3.35							
32.617	84.796	-2.17				57	-3	26				.40	3.25							
32.622	84.862	-1.58				60	-6	23				.13	3.20							
32.615	84.929	-1.38				61	-7	23				.65	3.20							
32.604	84.996	-1.72				62	-8	22				1.00	3.35							
32.583	85.061	-2.17				62	-8	22				.90	3.20							
32.557	85.127	-1.11				63	-9	22				1.00	3.20							
32.531	85.194	-.82				63	-9	22				.70	3.50							
32.520	85.260	-1.41				62	-8	23				.40	3.95							
32.519	85.328	-1.57				62	-8	23				.40	3.85							
32.518	85.395	-1.40				64	-10	21				.40	3.75							
32.515	85.463	-1.42				62	-8	23				.65	3.50							
32.501	85.531	-.89				63	-9	22				.80	3.25							
32.480	85.610	-1.42				64	-10	21				.70	3.35							
32.449	85.673	-1.24				66	-12	19				.65	3.20							
32.408	85.735	-2.04				67	-13	18				.43	3.60							
32.393	85.803	-2.33				69 b	-15 b	16 b				0.00	4.05							
32.379	85.872	-1.94				70	-16	15				.27	4.10							
32.361	85.942	-.06				71	-16	14				.55	3.80							
32.345	86.011	-.88				71	-16	14				.70	3.80							
32.325	86.076	-.36				69	-14	16				.80	3.50							
32.287	86.129	-.52				68	-13	17				1.00	3.25							
32.267	86.180	-1.05				68	-13	17				.80	3.65							
32.263	86.228	-1.38				68	-13	17				.65	3.85							
32.266	86.280	-1.77				68	-12	17				.80	3.80							
32.268	86.336	-1.70				69	-13	16				1.00	3.75							
32.227	86.383	-1.72				69	-13	16				1.45	3.20							

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 10

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.162	86.384	-1.23				67	-11	17				1.55	2.87							
32.145	86.290	-1.31				68	-11	17				1.05	3.60							
32.184	86.240	-1.58				67	-10	18				.70	4.35							
32.227	86.241	-1.17				67	-10	18				.75	4.40							
32.261	86.271	-.63				68	-11	17				1.05	4.25							
32.283	86.308	-.84				70	-13	15				1.50	3.70							
32.252	86.356	-.42				69	-12	16				1.60	2.95							
32.199	86.372	-.93				69	-11	16				1.80	2.57							
32.171	86.312	-1.64				68	-11	17				1.30	3.27							
32.206	86.269	-1.84				68	-11	17				.80	4.30							

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 11

REFERENCE						ONI-7000#1														TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.236	86.543	-1.14				65		21					3.35							
32.239	86.604	-1.81				66	-7	19				1.30	3.50							
32.245	86.661	-1.41				65	-6	20				1.35	3.25							
32.251	86.722	-1.72				65	-6	20				1.60	3.20							
32.257	86.788	-1.30				66	-7	19				1.60	3.30							
32.262	86.854	-1.56				64	-5	21				1.60	3.20							
32.266	86.916	-1.67				66	-7	19				1.45	3.20							
32.272	86.979	-1.82				66	-7	18				1.60	3.20							
32.277	87.048	-1.61				66	-7	18				1.30	3.20							
32.285	87.123	-1.41				65	-6	18				1.25	3.20							
32.295	87.199	-1.44				67	-8	16				1.30	3.20							
32.306	87.274	-1.71				66	-7	17				1.35	3.15							
32.310	87.352	-2.20				66	-7	16				1.40	2.95							
32.313	87.431	-1.74				66	-7	16				1.45	2.90							
32.316	87.510	-2.11				65	-6	17				1.35	3.00							
32.320	87.589	-1.89				63	-4	18				1.30	2.90							
32.323	87.668	-1.81				65	-6	16				1.30	2.90							
32.327	87.746	-2.29				66	-7	16				1.30	2.90							
32.330	87.824	-2.11				63	-4	18				1.35	2.90							
32.336	87.901	-2.39				62	-3	19				1.45	2.95							
32.346	87.978	-2.26				64	-5	17				1.30	2.90							
32.352	88.056	-2.37				63	-4	17				1.30	2.90							
32.355	88.134	-2.26				62	-3	18				1.40	2.90							
32.361	88.212	-2.16				61	-2	18				1.40	2.90							
32.363	88.289	-1.27				61	-1	18				1.60	2.90							
32.367	88.365	-.95				62	-2	17				1.60	2.90							
32.371	88.444	-1.54				65	-5	15				1.40	2.90							
32.374	88.522	-1.40				64	-4	15				1.30	3.10							
32.377	88.599	-.79				64	-4	14				1.30	2.95							
32.375	88.678	-.72				63	-3	15				1.30	2.90							
32.382	88.755	-.34				62	-2	16				1.30	2.90							
32.390	88.834	-.87				62	-1	16				1.30	2.90							
32.398	88.911	-.67				62	-1	16				1.30	2.90							
32.405	88.989	-1.27				63	-2	14				1.30	2.90							
32.412	89.067	-.34				63	-2	14				1.30	2.90							
32.418	89.145	-.87				62	-2	15				1.20	2.90							
32.423	89.224	-.62				63	-3	14				1.10	2.90							
32.429	89.303	-.56				64	-3	13				1.30	2.90							
32.435	89.382	-.55				62	-1	14				1.30	2.90							
32.441	89.462	-.70				62	-1	14				1.30	2.90							
32.448	89.541	-.73				61	-1	16				1.30	2.90							
32.454	89.622	-.74				61	-1	15				1.30	2.90							
32.460	89.701	-1.13				62	-2	15				1.15	2.90							
32.466	89.780	-.41				62	-2	13				1.00	2.90							
32.506	90.234	.24				62	-3	12				1.05	2.90							
32.508	90.313	-.02				60	-1	14				1.20	2.90							
32.512	90.391	.33				59	1	15				1.00	2.90							
32.514	90.472	.46				59	1	15				1.00	2.90							
32.518	90.550	.58				59	1	14				1.00	2.90							

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 11

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.522	90.631	.85				59	2	15				.95	2.90							
32.519	90.711	.93				58	3	15				1.25	2.83							
32.517	90.791	.51				60	1	13				1.05	2.83							
32.515	90.872	.82				59	2	13				1.00	2.50							
32.513	90.953	1.01				60	1	12				1.20	2.50							
32.513	91.035	1.09				61	0	11				1.10	2.83							
32.513	91.114	1.47				60	1	12				1.15	2.90							
32.513	91.197	1.31				61	1	11				1.15	2.90							
32.514	91.277	1.26				62	-1	10				1.05	2.90							
32.516	91.359	1.21				62	-1	10				1.00	2.90							
32.517	91.441	1.24				61	0	10				1.15	2.90							
32.518	91.523	1.35				61	1	11				1.20	2.90							
32.520	91.605	.81				59	2	12				1.25	2.90							
32.520	91.687	1.32				60	2	11				1.30	2.90							
32.521	91.768	1.08				59	2	11				1.30	2.83							
32.523	91.850	1.30				58	3	12				1.20	2.90							
32.522	91.933	1.35				58	3	13				1.30	2.90							
32.517	92.017	1.39				59	0	11				1.25	2.77							
32.524	92.099	1.41				58	1	11				1.00	2.70							
32.537	92.181	1.09				58	2	11				1.00	2.57							
32.549	92.261	1.24				56	4	13				1.00	2.77							
32.561	92.341	1.58				56	3	13				1.00	2.50							
32.573	92.424	1.57				55	4	13				1.15	2.50							
32.583	92.506	1.37				55	4	13				1.05	2.50							
32.596	92.588	1.24				55	4	13				1.00	2.50							
32.608	92.672	1.35				54	5	13				1.24	2.50							
32.619	92.755	1.50				55	5	13				1.30	2.50							
32.632	92.839	1.52				55	4	12				1.00	2.50							
32.642	92.922	2.06				55	4	12				1.05	2.50							
32.654	93.005	2.10				55	4	12				1.10	2.50							
32.666	93.089	2.28				54	5	13				1.25	2.50							
32.679	93.172	2.06				54	5	12				1.25	2.50							
32.691	93.257	1.77				54	5	12				1.05	2.50							
32.704	93.340	1.57				53	5	13				1.10	2.50							
32.716	93.424	1.64				53	5	12				1.30	2.50							
32.728	93.508	1.83				52	6	13				1.20	2.30							
32.741	93.593	1.60				51	7	14				1.00	2.30							
32.752	93.678	1.60				50	8	15				1.10	2.25							
32.763	93.763	1.15				50	8	15				1.30	2.20							
32.773	93.849	1.61				50	7	15				1.15	2.35							
32.777	93.935	1.82				51	7	13				1.30	2.50							
32.780	94.023	1.64				51	8	14				1.55	2.50							
32.784	94.110	1.30				50	7	14				1.35	2.50							
32.788	94.197	1.33				50	7	14				1.18	2.50							
32.792	94.284	1.74				51	7	14				1.30	2.50							
32.796	94.373	1.19				49	7	15				1.15	2.50							
32.800	94.461	1.11				48	8	16				1.20	2.50							
32.805	94.550	.71				47	9	16				1.15	2.50							
32.810	94.638	.83				48	7	15				1.05	2.50							

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 11

REFERENCE						ONI-7000#1												TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS				
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.819	94.726	.72				50	5	13				1.00	2.50							
32.828	94.815	1.07				51	4	12				.95	2.40							
32.837	94.903	1.28		-.47		51	4	11		-12		.85	2.45		.70					
32.847	94.993	1.22		-.36		49	7	14		-10		.85	2.20		-.28					
32.857	95.081	1.22		-.42		48	7	14		-9		1.05	2.20		-1.60					
32.860	95.171	1.13		-.11		48	7	14		-8		1.30	2.20		-1.75					
32.863	95.260	.99		-.53		48	7	14		-7		1.00	2.20		-2.00					
32.878	95.344	-.35		-.71		49	5	13		-8		.70	2.20		-2.23					
32.902	95.428	.07		-1.39		49	5	12		-8		.55	2.20		-2.50					
32.927	95.513	.29		-1.39		50	4	11		-9		.85	2.20		-2.50					
32.959	95.592	.37		-1.50		49	5	12		-7		1.00	2.20		-2.50					
32.991	95.673	.30		-1.54		48	6	13		-11		.75	2.30		-2.23					
33.025	95.754	-.13		-1.65		48	5	13		-7		.50	2.50		-2.50					
33.058	95.834	-.12		-1.34		48	6	13		-7		.65	2.50		-2.50					
33.090	95.915	-.00		-1.43		50	4	11		-9		.70	2.40		-2.17					
33.122	95.996	.05		-1.46		54	-0	7		-13		.90	2.50		-2.10					
33.152	96.078	-.30		-1.25		54	-1	7		-13		1.00	2.50		-2.10					
33.188	96.157	-.20		-1.05		56	-3	5		-15		.80	2.50		-2.10					
33.223	96.236	-.40		-.55		58	-5	2		-17		.70	2.50		-2.17					
33.259	96.315	-.07		-.88		61	-8	-1		-19		.70	2.50		-2.10					
33.286	96.397	.03		-1.13		62	-9	-2		-20		.80	2.50		-2.10					
33.299	96.486	-.24		-1.00		61	-8	-1		-19		1.00	2.50		-2.10					
33.315	96.575	-.51		-.75		60	-6	0		-18		.75	2.50		-2.10					
33.338	96.660	-.45		-.48		60	-6	0		-18		.70	2.50		-2.10					
33.361	96.746	-.27		-.46		61	-7	-2		-19		.40	2.50		-2.10					
33.383	96.832	-.32		-.26		60	-6	-1		-18		.70	2.50		-2.10					
33.405	96.918	-.10		-.64		59	-5	-0		-17		.70	2.35		-2.10					
33.429	97.005	.07		-.30		60	-6	-1		-18		.70	2.40		-2.10					
33.452	97.092	-.11		-.34		59	-5	-1		-17		.70	2.20		-2.10					
33.480	97.177	-.12		-.14		57	-3	1		-15		.75	2.20		-2.17					
33.507	97.262	-.05		.03		55	-1	3		-13		.90	2.20		-2.30					
33.535	97.346	.46		-.28		51	3	7		-9		.95	2.20		-2.37					
33.564	97.431	.43		-.13		50	4	9		-8		.85	2.20		-2.10					
33.592	97.516	.27		-.13		48	6	11		-5		.75	2.20		-2.17					
33.618	97.604	.49		-.18		47	6	11		-4		.95	2.20		-2.10					
33.641	97.691	.10		-.22		47	6	11		-4		.75	2.15		-1.90					
33.665	97.777	.20		-.16		49	4	9		-6		.90	2.10		-1.90					
33.685	97.866	.53		-.36		50	2	7		-7		.90	2.30		-1.85					
33.707	97.953	.77		-.66		53	-1	4		-10		.70	2.25		-1.85					
33.731	98.042	.67		-.42		56	-4	1		-13		.70	2.20		-1.80					
33.759	98.124	.84		-.51		58	-6	-1		-15		.50	2.20		-1.80					
33.794	98.201	1.19		-1.19		56	-4	1		-13		.40	2.30		-1.80					
33.830	98.282	1.21		-1.36		53	-1	4		-10		.27	2.45		-1.80					
33.865	98.362	1.24		-1.43		52	-0	4		-9		.40	2.40		-1.85					
33.901	98.444	1.06		-.86		56	-4	0		-13		.40	2.30		-1.80					
33.938	98.524	1.21		-.78		56	-4	0		-13		.45	2.30		-1.80					
33.966	98.611	1.40		-.76		57	-6	-2		-14		.70	2.40		-1.80					
33.985	98.701	1.47		-.47		59	-8	-4		-16		.70	2.35		-1.80					
34.005	98.791	1.05		-.28		60	-9	-5		-17		.94	2.44		-1.80					

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 11

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
34.026	98.880	1.20		-.51		61	-10	-6		-18		.90	2.45		-1.80					
34.046	98.970	1.22		-.36		62	-11	-7		-19		.75	2.25		-1.80					
34.067	99.060	1.15		-.27		61	-10	-6		-18		.95	2.20		-1.80					
34.088	99.152	.93		-.00		61	-10	-6		-18		1.00	2.20		-1.80					
34.108	99.244	.93		.41		58	-7	-4		-15		.95	2.20		-1.80					
34.129	99.334	.92		-.03		58	-7	-4		-15		1.00	2.20		-1.80					
34.150	99.427	.84		.21		56	-5	-2		-13		.95	2.20		-1.80					
34.171	99.518	.99		-.15		53	-2	1		-10		.65	2.20		-1.80					
34.191	99.606	.78		.02		51	0	3		-8		.60	2.20		-1.80					
34.213	99.700	.99		-.00		49	2	5		-6		.50	2.20		-1.80					
34.236	99.789	1.03		.05		48	3	6		-5		.50	2.15		-1.80					
34.260	99.876	1.32		-.50		47	4	7		-4		.50	2.25		-1.65					
34.286	99.967	1.07		.13		46	6	8		-2		.27	2.20		-1.50					
34.309	100.057	1.52		-.33		45	6	8		-1		.40	2.10		-1.45					
34.334	100.149	1.43		.07		44	7	9		-0		.55	2.05		-1.45					
34.357	100.235	1.19		.20		45	6	8		-1		.50	1.90		-1.55					
34.377	100.325	1.37		-.07		45	6	8		-1		.60	2.10		-1.40					
34.379	100.420	1.72		-.44		45	5	7		-2		.60	2.05		-.70					
34.383	100.515	1.61		-.36		45	5	7		-2		.65	2.15		-.80					
34.387	100.611	1.69		.16		46	5	7		-2		.07	2.15		-1.10					
34.394	100.706	1.57		-.20		45	5	7		-2		.45	2.40		-1.30					
34.401	100.800	1.71		-.26		45	5	6		-2		.20	2.15		-1.50					
34.403	100.894	1.68		-.28		45	6	7		-2		.40	2.10		-1.45					
34.407	100.990	1.65		-.23		44	6	7		-1		.20	2.15		-1.50					
34.408	101.085	1.82		-.10		45	6	7		-2		0.00	2.50		-1.50					
34.410	101.196	1.76		-.16		44	6	7		-1		.13	2.25		-1.50					
34.414	101.292	1.67		-.13		44	6	7		-1		.50	2.40		-1.70					
34.417	101.387	1.57		-.02		43	7	8		0		0.00	2.40		-1.75					
34.418	101.482	1.65		-.10		43	6	7		0		.20	2.15		-1.65					
34.419	101.577	1.80		-.23		43	6	7		-0		.40	2.20		-1.70					
34.421	101.673	1.79		-.42		44	6	7		-1		.40	2.00		-1.55					
34.423	101.769	1.91		-.52		43	6	7		-0		.33	1.95		-1.65					
34.426	101.866	1.99		-.74		44	5	6		-1		0.00	1.90		-1.75					
34.430	101.959	1.85		-.61		45	4	5		-2		0.00	2.00		-1.75					
34.433	102.053	1.90		-.75		43	5	6		-0		.13	2.15		-1.80					
34.437	102.150	1.82		-.56		43	5	6		-0		.24	2.02		-1.50					

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 1

REFERENCE								ONI-7000#1												TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
35.112	107.103			-19.00	f,h	45	-6			-18		-.70			1.60					
35.126	107.171			-18.97		44	-5			-17		-.60			1.60					
35.142	107.248			-18.89		46	-7			-19		-.80			1.60					
35.159	107.330			-19.39		47	-8			-20		-.95			1.75					
35.175	107.420			-19.39		48	-9			-21		-.96			1.90					
35.197	107.505			-19.34		47	-9			-20		-1.05			1.90					
35.219	107.591			-19.59		47	-9			-20		-1.20			1.90					
35.240	107.677			-19.88		48	-11			-21		-1.20			2.00					
35.260	107.762			-19.72		48	-11			-21		-1.20			2.20					
35.269	107.851			-19.46		48	-12			-21		-1.15			2.20					
35.276	107.941			-19.55		48	-12			-21		-.90			2.45					
35.284	108.032			-19.58		47	-11			-20		-1.10			2.50					
35.293	108.122			-20.14		47	-11			-20		-1.10			2.50					
35.310	108.211			-19.62		46	-10			-19		-.90			2.50					
35.331	108.298			-20.20		46	-10			-19		-.90			2.50					
35.353	108.385			-20.20		46	-9			-20		-.90			2.63					
35.378	108.471			-19.81		47	-10			-21		-.85			2.90					
35.400	108.560			-19.74		48	-11			-22		-.60			2.90					
35.422	108.649			-19.88		47	-10			-21		-.60			2.90					
35.443	108.736			-19.84		47	-10			-21		-.60			2.90					
35.465	108.825			-20.19		46	-9			-20		-.45			2.90					
35.466	108.918			-20.02		48	-12			-22		-.60			2.90					
35.441	109.009			-19.85		47	-11			-21		-.60			2.90					
35.423	109.103			-20.41		48	-12			-22		-.55			2.90					
35.410	109.198			-19.73		48	-12			-22		-.80			2.90					
35.394	109.292			-20.00		48	-12			-22		-.90			3.00					
35.375	109.387			-19.45		49	-13			-24		-.90			3.05					
35.357	109.481			-19.39		50	-14			-26		-.90			3.20					
35.334	109.575			-19.59		51	-16			-27		-.65			3.20					
35.315	109.669			-19.52		48	-13			-25		-.55			3.20					
35.295	109.761			-19.58		47	-12			-24		-.70			3.20					
35.273	109.856			-19.60		47	-13			-25		-.90			3.20					
35.252	109.949			-19.79		48	-14			-26		-.80			3.20					
35.231	110.041			-19.28		50	-16			-28		-.60			3.20					
35.210	110.134			-19.53		51	-17			-30		-.60			3.20					
35.187	110.225				k		k		k		k		k			k				
35.164	110.319																			
35.145	110.409																			
35.125	110.501																			
35.106	110.593																			
35.085	110.684																			
35.063	110.776																			
35.038	110.867																			
34.988	111.128																			
34.974	111.205																			
34.950	111.308																			
34.930	111.401																			
34.910	111.493																			
34.891	111.588																			

Entire segment-h

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 12

REFERENCE																							
									ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	N	W	X	Y	Z	N	W	X	Y	Z	MW	MX	MY	MZ
34.870	111.678																			
34.854	111.774			1.03		47	-16			-15		-.60			3.57					
34.838	111.851			.99		47	-16			-16		-.60			3.56					
34.816	111.962			.82		47	-17			-17		-.60			3.55					
34.797	112.054			.96		47	-17			-17		-.80			3.45					
34.775	112.149			.82		47	-18			-17		-.90			3.40					
34.752	112.242			1.14		47	-18			-17		-.90			3.20					
34.730	112.335			.50		47	-18			-17		-.85			3.20					
34.709	112.427			.33		47	-18			-17		-.90			3.40					
34.701	112.514			.05		49	-20			-19		-.90			3.20					
34.707	112.612			.74		49	-20			-19		-.90			3.20					
34.710	112.705			.50		49	-20			-19		-.90			3.20					
34.714	112.799			.60		47	-18			-17		-.90			3.15					
34.719	112.892			.82		47	-18			-17		-.90			3.20					
34.724	112.985			1.03		48	-19			-18		-.90			3.20					
34.729	113.076			.91		48	-19			-18		-.90			3.20					
34.734	113.170			.92		48	-20			-19		-.90			3.00					
34.741	113.262			.73		52	-24			-23		-.90			2.90					
34.736	113.356			.97		53	-25			-24		-.90			2.90					
34.734	113.452			.75		53	-25			-25		-.90			2.90					
				e		e	e			e		e			e					

Entire segment-h

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 13

REFERENCE							ONI-7000#1													TDL-711	
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.106	110.931					50				-8					3.26					
32.070	110.890					49				-8					3.30					
32.046	110.862					50				-4					3.20					
32.108	110.392					45				-4					1.25					
32.096	110.315					45				-5					1.00					
32.089	110.235					44				-4					1.05					
32.080	110.148					45				-5					1.20					
32.064	110.022					47				-6					1.60					
32.002	109.489					45				-4					1.90					
32.014	109.552					44				-3					1.60					
31.870	108.100																			
31.861	108.003																			
31.853	107.907																			
31.844	107.812																			
31.834	107.716																			
31.823	107.621																			
31.817	107.471																			
31.821	107.344																			
31.819	107.249																			
31.818	107.155																			
31.816	107.061																			
31.815	106.966																			
31.812	106.888																			
31.813	106.778			.32																
31.809	106.685			-.29		44	-10			-12		-4.00			-4.02					
31.806	106.591			-.52		43	-9			-11		-4.00			-3.70					
31.805	106.497			.31		43	-9			-11		-3.85			-3.70					
31.806	106.405			.28		43	-8			-11		-3.70			-3.70					
31.805	106.312			.15		43	-8			-11		-3.70			-3.70					
31.799	106.220			-.04		43	-8			-11		-3.70			-3.70					
31.791	106.129			.28		42	-7			-10		-3.70			-3.75					
31.782	106.036			-.01		42	-7			-10		-3.70			-3.70					
31.773	105.942			-.16		43	-8			-11		-3.55			-3.80					
31.769	105.846			-.27		43	-7			-11		-3.40			-3.70					
31.760	105.753			-.27		42	-6			-10		-3.40			-3.70					
31.752	105.660			.06		42	-6			-11		-3.35			-3.70					
31.745	105.566			.22		42	-5			-11		-3.10			-3.70					
31.738	105.472			-.31		43	-6			-12		-3.10			-3.70					
31.731	105.378			-.62		44	-7			-13		-3.00			-3.70					
31.723	105.285			-1.08		43	-6			-12		-3.10			-3.90					
31.715	105.191	3.86																		
31.716	105.028	2.77				42	-6	-0				-2.80	1.65							
31.685	104.941	2.37				42	-5	-0				-2.80	1.90							
31.652	104.853	2.73				43	-5	-1				-2.65	1.85							
31.621	104.765	2.31				43	-5	-1				-2.50	1.90							
31.587	104.680					44	-5	-1				-2.50	1.90							
31.550	104.595																			
31.515	104.509																			
31.478	104.423																			

Entire segment-h

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 13

REFERENCE LAT DEG	REFERENCE LONG DEG	TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ	ATM NOISE dB	SNR dB M	SNR dB W	SNR dB X	SNR dB Y	SNR dB Z	ECD uS M	ECD uS W	ECD uS X	ECD uS Y	ECD uS Z	TDL-711 TD BIAS uS MW	TDL-711 TD BIAS uS MX	TDL-711 TD BIAS uS MY	TDL-711 TD BIAS uS MZ
						ONI-7000#1														
31.442	104.339																			
31.407	104.254																			
31.375	104.166																			
31.345	104.079																			
31.314	103.991	2.80				45	-5	0				-1.50	2.32							
31.284	103.903	2.33				43	-3	2				-1.30	2.30							
31.253	103.815	2.45				43	-3	2				-.95	2.35							
31.222	103.728	2.34				42	-2	3				-1.20	2.40							
31.192	103.641	2.23				42	-2	3				-1.08	2.20							
31.163	103.555	1.78				42	-1	3				-.95	2.15							
31.131	103.466	2.15				42	-1	3				-.65	2.05							
31.103	103.378	2.20				43	-2	2				-.35	2.30							
31.073	103.289	2.30				43	-2	2				-.35	2.10							
31.043	103.204	2.57				44	-3	1				-.30	1.90							
31.006	103.118	2.67				45	-4	1				-.05	2.00							
30.970	103.033	2.54				44	-3	1				-.25	2.00							
30.946	102.944	2.39				43	-2	2				0.00	1.95							
30.934	102.849	2.49				43	-2	2				0.00	1.85							
30.923	102.756	2.37				44	-3	2				-.10	1.75							
30.912	102.662	2.43				44	-3	2				-.25	1.70							
30.900	102.567	2.38				44	-2	2				-.10	1.55							
30.887	102.475	2.41				43	-2	3				0.00	1.80							
30.875	102.380	2.21				43	-1	3				0.00	1.80							
30.862	102.287	2.29				43	-1	3				.50	1.75							
30.849	102.192	2.41				44	-2	2				.40	1.90							
30.833	102.081	2.39				44	-2	2				.45	1.90							
30.821	101.986	2.26				44	-2	2				.32	1.72							
30.810	101.891	2.10				44	-2	2				.27	1.80							
30.797	101.795	2.21				47	-4	1				.13	1.70							
30.785	101.700	2.23				48	-5	-1				.43	1.60							
30.771	101.606	2.24				49	-6	-2				.55	1.70							
30.759	101.511	2.31		-1.27		47	-4	-0		-12		.33	1.90		-4.60					
30.747	101.415	2.56		-1.46		45	-2	2		-11		.50	1.90		-4.60					
30.737	101.321	2.52		-1.58		43	-0	5		-9		.90	1.65		-4.60					
30.726	101.225	2.28		-1.45		43	-0	5		-9		1.00	1.65		-4.60					
30.717	101.134	1.64		-.83		42	2	6		-8		1.40	1.80		-4.60					
30.705	101.025	2.70		-.66		42	2	6		-8		1.25	1.85		-4.60					
30.697	100.930	2.00		-.85		42	3	7		-8		1.05	1.70		-4.60					
30.689	100.834	1.88		-1.27		42	2	6		-8		1.20	1.70		-4.60					
30.681	100.739	2.74		-1.49		42	3	7		-8		.95	1.85		-4.60					
30.674	100.643	2.43		-2.49		42	3	7		-8		.75	1.90		-4.60					
30.667	100.548	1.42		-.99		43	2	6		-9		1.05	1.90		-4.60					
30.658	100.452	1.77		-1.81		44	1	5		-10		1.25	1.90		-4.60					
30.650	100.358	1.54		-1.32		44	1	6		-10		.76	1.90		-4.60					
30.642	100.261	1.77		-1.60		43	2	7		-9		.65	1.90		-4.60					
30.634	100.165	1.83		-1.76		44	1	6		-10		.75	1.90		-4.60					
30.626	100.069	1.57		-1.69		45	1	6		-11		.90	1.85		-4.60					
30.617	99.973	1.66		-1.26		45	0	6		-11		1.15	1.90		-4.60					
30.610	99.875	1.21		-.99		45	0	6		-11		1.05	1.90		-4.60					

Entire segment-h

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 13

REFERENCE																								
										ONI-7000#1													TDL-711	
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
30.601	99.778	1.23		-1.37		45	1	6		-11		1.05	1.70		-4.60					
30.584	99.683	1.41		-1.88		45	0	6		-11		.85	1.90		-4.50					
30.568	99.586	1.52		-1.83		46	-1	5		-12		.60	1.75		-4.55					
30.551	99.490	1.40		-1.90		47	-2	5		-13		.20	1.90		-4.45					
30.535	99.395	1.34		-1.72		46	-1	6		-12		.80	1.65		-4.45					
30.518	99.298	1.17		-1.62		45	0	7		-11		1.25	1.80		-4.60					
30.502	99.201	1.46		-2.54		44	0	8		-10		1.20	1.60		-4.60					
30.485	99.106	1.34		-1.82		45	0	7		-11		1.15	1.60		-4.60					
30.467	99.009	1.89		-2.21		46	-1	7		-12		1.25	1.60		-4.60					
30.450	98.912	1.33		-1.82		46	-1	7		-12		1.25	1.60		-4.60					
30.432	98.814	1.55		-2.01		46	-2	7		-12		1.10	1.60		-4.60					
30.415	98.718	1.43		-2.29		47	-2	7		-13		.80	1.65		-4.60					
30.398	98.620	1.26		-2.10		47	-1	8		-13		.90	1.75		-4.60					
30.380	98.523	1.35		-1.76		47	-1	9		-13		.90	1.85		-4.60					
30.362	98.427	1.38		-1.83		48	-2	7		-14		1.15	1.90		-4.60					
30.349	98.328	1.35		-1.78		48	-1	7		-14		1.10	1.90		-4.60					
30.341	98.227	1.21		-1.55		48	-2	8		-14		1.20	2.00		-4.60					
30.334	98.130	1.65		-1.62		49	-2	7		-15		1.10	2.15		-4.60					
30.327	98.029	1.46		-1.75		49	-2	7		-15		1.10	1.90		-4.60					
30.320	97.931	1.48		-1.93		49	-2	8		-15		.90	1.90		-4.60					
30.312	97.833	1.35		-1.49		49	-2	8		-14		.85	1.95		-4.55					
30.305	97.733	1.60		-2.18		49	-1	8		-14		1.20	1.90		-4.55					
30.296	97.634	1.56		-2.06		50	-2	7		-15		.95	1.90		-4.60					
30.287	97.536	1.39		-1.96		50	-2	7		-15		1.30	1.90		-4.60					
30.280	97.437	1.47		-2.33		49	-0	8		-14		1.30	1.90		-4.60					
30.279	97.338	1.12		-1.82		48	1	9		-13		1.30	1.90		-4.60					
30.278	97.240	1.19		-1.91		50	-1	8		-15		1.30	1.90		-4.50					
30.281	97.143	.97		-1.70		50	-2	8		-15		1.15	1.90		-4.55					
30.284	97.045	.98		-2.06		51	-2	7		-16		1.15	2.15		-4.55					
30.288	96.947	1.23		-3.16		52	-3	6		-17		1.30	1.95		-4.60					
30.287	96.849	1.50		-2.40		54	-4	4		-19		1.60	2.14		-4.60					
30.285	96.749	1.55		-2.69		56	-6	3		-21		1.45	2.05		-4.60					
30.282	96.650	1.33		-2.10		57	-7	2		-22		1.60	2.20		-4.60					
30.281	96.552	1.18		-2.04		60	-10	-1		-25		1.45	2.10		-4.60					
30.279	96.453	1.50		-1.65		61	-10	-2		-26		1.45	2.20		-4.60					
30.273	96.355	1.07		-1.99		61	-10	-2		-26		1.40	1.90		-4.60					
30.276	96.262	.72		-.76		59	-8	1		-24		1.45	1.90		-4.45					
30.285	96.166	.99		-.80		56	-5	4		-21		1.30	1.90		-4.30					
30.298	96.071	1.00		-1.38		54	-2	6		-19		1.30	1.90		-4.30					
30.303	95.975	1.08		-.91		52	-0	8		-17		1.30	1.85		-4.30					
30.304	95.879	.69		-1.18		51	1	9		-16		1.30	1.90		-4.30					
30.302	95.780	.79		-1.15		51	1	9		-16		1.40	1.90		-4.30					
30.303	95.684	.58		-.28		49	3	11		-14		1.30	1.85		-4.10					
30.312	95.588	.83		-.52		49	3	12		-14		1.20	1.95		-4.00					
30.320	95.491	.92		-.31		48	4	13		-13		1.00	2.20		-4.00					
30.325	95.395	1.04		-.28		48	4	13		-13		1.00	2.05		-4.00					
30.302	95.297	1.40		.16		48	4	14		-13		1.20	2.15		-4.00					
30.284	95.198	1.20		-.09		47	5	15		-12		1.30	2.20		-4.00					

Entire segment-h

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
30.408	88.952	-.38				59	-2	19				1.60	2.70							
30.449	88.906	-.06				59	-2	19				1.55	2.90							
30.489	88.859	.20				57	-0	21				1.55	2.90							
30.520	88.804	-.14				58	-1	20				1.60	2.57							
30.551	88.741	.21				58	-1	20				1.60	2.50							
30.577	88.677	-.13				57	-1	21				1.50	2.50							
30.607	88.613	-.59				58	-2	20				1.60	2.50							
30.638	88.547	-.23				59	-3	20				1.60	2.50							
30.669	88.478	-.54				58	-2	21				1.60	2.20							
30.702	88.407	-.69				56	-0	23				1.60	2.20							
30.722	88.322	-.34				55	1	24				1.60	2.00							
30.728	88.225	-.86				55	1	25				1.60	2.15							
30.735	88.123	-.71				57	-1	23				1.60	2.50							
30.743	88.024	-.59				57	-1	23				1.60	2.50							
30.753	87.922	-.95				57	-1	23				1.60	2.30							
30.761	87.822	-.97				57	-1	24				1.60	2.35							
30.768	87.718	-.10				56	0	25				1.54	2.26							
30.808	87.097 k	-.89 k				63 k	-7 k	21 k				1.10 k	2.25 k							
30.813	86.995	-1.09				63	-7	22				1.20	2.30							
30.817	86.894	-.88				64	-8	22				1.30	2.20							
30.821	86.791	-1.35				64	-8	23				1.30	2.20							
30.826	86.689	-1.38				64	-8	23				1.30	2.20							
30.826	86.586	-1.31				63	-7	25				1.30	2.26							
30.825	86.485	-1.81				63	-7	26				1.30	2.20							
30.823	86.381	-1.28				63	-7	27				1.30	2.50							
30.821	86.278	-1.62				65	-9	26				1.30	2.50							
30.817	86.175	-.90				64	-8	27				1.30	2.50							
30.815	86.071	-.24				65	-10	27				1.10	2.35							
30.812	85.969	-.30				66	-11	27				1.00	2.25							
30.809	85.865	-.23				65	-11	29				.85	2.83							
30.806	85.763	-.65				65	-11	30				1.00	2.90							
30.804	85.660	.03				66	-13	31				1.00	3.20							
30.802	85.558	-.17				68	-15	31				1.05	3.20							
30.800	85.454	-1.11				68	-15	32				1.25	3.20							
30.797	85.351	-.99				69 b	-16 b	33 b				1.10	3.35							
30.794	85.248	-1.39				71	-18	32				1.15	3.65							
30.791	85.145	-1.38				71	-18	33				.70	3.90							
30.766	85.048	-1.90				69	-18	34				1.20	3.95							
30.733	84.948	-1.78				67	-15	33				1.00	3.60							
30.703	84.852	-1.98				66	-15	33				.90	3.45							
30.672	84.753	-1.86				66	-15	31				.88	3.20							
30.642	84.654	-2.06				66	-15	30				1.00	3.20							
30.613	84.555	-2.03				66	-15	29				.75	3.20							
30.582	84.456	-2.00				65	-14	28				.60	2.90							
30.556	84.356	-2.32				66	-15	27				.85	2.90							
30.549	84.254	-2.49				63	-12	29				.55	2.90							
30.549	84.151	-2.19				60	-10	30				.40	3.05							
30.552	84.049	-2.37				59	-9	30				.50	3.20							
30.555	83.947	-2.12				58	-8	30				.50	2.95							

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WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
30.557	83.844	-2.14				58	-8	29				.40	3.05							
30.559	83.740	-2.28				58	-8	29				.50	3.20							
30.560	83.638	-2.28				57	-7	30				.40	3.20							
30.555	83.536	-1.87				57	-7	30				.70	3.00							
30.548	83.433	-1.86				56	-6	29				.70	2.95							
30.540	83.330	-2.03				57	-7	28				.70	2.90							
30.532	83.228	-1.59				58	-8	27				.80	2.95							
30.523	83.125	-1.84				57	-7	27				.70	3.05							
30.516	83.022	-1.97				56	-6	28				.70	3.15							
30.510	82.919	-2.05				55	-5	28				.60	3.20							
30.506	82.816	-2.13				55	-5	28				.75	3.20							
30.504	82.715	-1.89				55	-6	27				1.10	3.20							
30.503	82.611	-2.67				57	-8	25				1.15	3.03							
30.568	82.574	-2.26				58	-10	23				.75	2.30							
30.640	82.565	-2.48				58	-9	23				.60	2.70							
30.712	82.564	-2.09				58	-9	25				.65	2.90							
30.785	82.564	-2.40				58	-9	24				.70	3.15							
30.858	82.565	-2.12				57	-8	25				.50	3.20							
30.931	82.564	-1.96				58	-9	25				.40	3.20							
31.004	82.566	-2.49				58	-9	23				.55	3.10							
31.077	82.565	-2.49				58	-9	23				1.00	3.05							
31.150	82.565	-2.80				59	-10	22				.80	3.20							
31.224	82.564	-2.86				61	-12	20				.50	3.20							
31.296	82.551	-3.11				61	-12	21				.40	3.20							
31.368	82.533	-2.10				59	-10	22				.50	3.20							
31.442	82.517	-2.61				59	-10	21				.48	3.25							
31.516	82.503	-2.56				61	-12	19				.20	3.50							
31.585	82.467	-2.55				59	-11	20				.70	4.15							
31.649	82.409	-2.69				59	-11	21				.45	4.10							
31.716	82.358	-2.28				59	-10	21				.55	3.80							
31.784	82.309	-2.27				61	-12	18				1.00	3.60							
31.853	82.260	-3.03				61	-12	18				1.10	3.50							
31.920	82.207	-2.62				60	-11	19				.65	3.50							
31.986	82.156	-2.80				59	-10	19				.75	3.50							
32.051	82.100	-3.27				61	-12	17				.85	3.45							
32.116	82.044	-3.48				59	-10	19				.45	3.50							
32.183	81.988	-2.95				59	-10	19				.65	3.50							
32.246	81.929	-3.19				59	-10	18				.30	3.50							
32.311	81.873	-2.72				59	-10	18				-.10	3.25							
32.375	81.815	-2.19				58	-9	19				-.25	3.20							
32.443	81.763	-2.18				60	-12	17				-.05	3.20							
32.511	81.709	-1.77				59	-11	18				-.15	3.20							
32.590	81.648	-1.71				58	-10	18				.20	3.20							
32.647	81.603	-1.81				59	-10	17				.50	3.20							
32.714	81.549	-1.75				60	-12	16				.32	3.20							
32.781	81.494	-.70				59	-11	17				-.10	3.20							
32.848	81.433	-1.25				59	-11	16				-.60	3.20							
32.916	81.377	-.37				59	-12	17				-.80	3.20							
32.985	81.316	-.67				59	-12	16				-.90	3.20							

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
33.034	81.235	-.72				58	-12	16				-.75	3.25							
33.077	81.145	-.98				59	-12	15				-.85	3.20							
33.124	81.058	-.62				57	-10	17				-.90	3.20							
33.172	80.971	-.52				59	-11	14				-.45	3.20							
33.221	80.886	-.08				58	-10	14				-.40	3.20							
33.270	80.800	-.34				59	-11	14				-.75	3.20							
33.318	80.714	.06				56	-8	16				-.95	3.20							
33.368	80.630	-.05				58	-9	14				-.60	3.20							
33.419	80.546	-.32				58	-8	13				-.30	3.20							
33.467	80.459	-.09				58	-8	13				-.08	3.20							
33.527	80.388	-.46				56	-7	15				-.35	2.95							
33.591	80.322	-.37				58	-9	13				-.13	3.10							
33.654	80.255	-.89				57	-9	14				-.05	3.20							
33.717	80.188	-.17				58	-9	12				.20	3.20							
33.780	80.120	-.31				58	-9	12				.40	3.20							
33.844	80.051	-1.05				59	-10	12				.13	3.20							
33.908	79.985	-1.28				57	-8	13				-.30	3.05							
33.973	79.918	-.77				58	-9	11				-.15	3.15							
34.037	79.851	-1.15				57	-8	12				-.20	2.95							
34.099	79.782	-.87				58	-9	10				-.05	2.90							
34.163	79.714	-.23				57	-8	11				-.35	2.90							
34.228	79.649	-.84				58	-9	10				-.35	2.90							
34.293	79.582	-.30				57	-8	12				-.30	3.00							
34.357	79.513	-.56				58	-9	10				-.20	3.15							
34.418	79.437	-.74				58	-8	10				-.10	3.15							
34.477	79.363	-.97				59	-9	9				-.30	3.20							
34.544	79.298	-.91				58	-9	9				-.60	3.20							
34.611	79.234	C				58	C	8	-4			C	3.20	1.00						
34.679	79.171					56		11	-2				3.15	1.50						
34.746	79.107					54		12	-0				3.20	1.85						
34.812	79.040					53		12	1				3.20	2.00						
34.879	78.975					55		10	-0				2.96	2.20						
34.946	78.909					53		10	0				2.90	2.15						
34.988	78.820					54		10	0				2.70	2.30						
34.984	78.708					55		9	-2				2.40	2.25						
34.965	78.596					55		9	-2				2.50	2.25						
34.937	78.486					55		9	-1				2.90	2.20						
34.915	78.375					56		9	-0				3.15	2.00						
34.904	78.262					55		10	1				3.20	1.75						
34.892	78.147					56		9	0				3.15	2.00						
34.879	78.033					58		7	-1				3.20	2.10						
34.910	77.933					56		8	2				3.20	1.15						
34.976	77.867					56		9	3				3.20	1.60						
35.048	77.807					56		8	3				2.90	2.10						
35.122	77.756					55		9	4				2.95	2.25						
35.196	77.702					56		8	4				3.20	2.30						
35.268	77.643					55		8	5				3.25	2.63						
35.350	77.571					55		8	7				3.20	2.90						
35.423	77.513					54		9	7				3.11	2.90						

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
35.512	77.457					56		7	6				2.90	2.90						
35.603	77.399					55		7	7				2.90	2.90						
35.668	77.356					54		8	8				2.95	2.95						
35.745	77.305					54		8	8				3.00	2.77						
35.835	77.245					53		8	9				2.77	2.45						
35.911	77.193					53		8	10				2.79	2.29						
36.002	77.133					53		8	10				2.50	2.50						
36.079	77.080					54		7	10				2.50	2.45						
36.159	77.029					52		7	11				2.50	2.20						
36.232	76.973					51		7	12				2.35	2.30						
36.306	76.914					53		5	11				2.20	2.45						
36.382	76.856					52		5	11				1.90	2.33						
36.445	76.750					53		4	11				2.16	2.73						
36.517	76.661					53		4	11				2.05	2.50						
36.573	76.594					54		2	11				2.10	2.50						
36.647	76.507					54		2	11				2.20	2.50						
36.712	76.427					55		1	11				2.15	2.50						
36.774	76.349					53		2	13				1.90	2.50						
36.837	76.267					54		1	12				1.50	2.50						
36.901	76.193					54		1	12				1.10	2.10						
36.983	76.158					55		1	12				1.20	1.70						
37.076	76.131					55		1	12				1.10	2.20						
37.156	76.092					54		1	13				1.56	2.37						
37.249	76.040					54		1	13				1.45	2.40						
37.317	76.007					55		-0	12				1.40	2.50						
37.394	75.957					54		1	14				1.60	2.50						
37.468	75.896					55		-0	13				1.75	2.63						
37.554	75.823					55		1	14				1.90	2.40						
37.629	75.762					54		0	14				1.81	2.46						
37.717	75.695					53		1	14				1.85	2.30						
37.796	75.643					55		-1	13				1.70	2.20						
37.861	75.598					56		-2	12				1.90	2.20						
37.951	75.533		-.58			55		C	13				C	2.20						
38.042	75.471		-.26			55	-4		13			.28		2.10						
38.106	75.426		.08			54	-3		13			1.42		2.02						
38.183	75.373		-.52			54	-2		14			1.00		1.90						
38.274	75.313		-.03			55	-4		14			.90		2.15						
38.337	75.269		-.55			56	-4		13			.65		2.00						
38.429	75.210		-.55			55	-4		14			.61		2.16						
38.520	75.154		-.15			55	-4		14			.49		2.20						
38.596	75.107		-.34			56	-5		14			.38		2.44						
38.682	75.056		-.91			57	-5		14			.32		2.50						
38.746	75.016		-1.35			57	-5		14			1.05		2.50						
38.833	74.965		-.51			58	-5		13			.60		2.50						
38.893	74.924		.05			58	-5		14			.95		2.57						
38.979	74.875		-.47			58	-5		14			.87		2.50						
39.066	74.818		-.39			58	-6		13			.80		2.35						
39.139	74.769		-.19			57	-5		14			.85		2.20						
39.209	74.718		-.44			56	-4		15			.96		2.29						

WINTER STABILITY TABLE - 8970 CHAIN - SEGMENT 14

REFERENCE						ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS				TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
39.291	74.671		-.69			58	-6		14			.75		2.30						
39.353	74.619		-.64			58	-7		14			.90		2.83						
39.399	74.562		-.97			58	-7		15			.65		2.90						

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 1

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

Entire segment-h

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 2

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

Entire segment-h

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 3

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
48.237	101.013																			
48.245	101.127																			
48.254	101.241																			
48.263	101.355			.46		51	-12			-13		1.75			-1.50					
48.268	101.470			.35		50	-11			-12		1.50			-1.40					
48.267	101.582			.39		50	-11			-11		1.30			-.80					
48.269	101.699																			
48.272	101.817																			
48.270	101.932																			
48.272	102.048																			
48.274	102.165																			
48.276	102.283																			
48.277	102.402																			
48.282	102.519																			
48.284	102.638	-2.29		.60		50	-10	-1		-12		1.60	-4.60		-.30					
48.283	102.757	-2.49		.68		50	-10	0		-12		2.50	-4.55		-.15					
48.286	102.874	-2.32		.55		50	-10	0		-12		2.35	-4.25		0.00					
48.287	102.995	-2.05		.47		50	-11	-0		-12		2.20	-3.90		-.15					
48.290	103.114	-2.47		.38		50	-11	0		-12		1.95	-3.60		-.25					
48.291	103.232	-1.70		.89		50	-11	1		-12		1.85	-3.65		-.30					
48.289	103.352	-2.45		.55		50	-11	1		-12		1.95	-3.60		-.15					
48.273	103.472	-3.18		1.28		50	-11	1		-12		2.02	-3.16		0.00					
48.266	103.533																			
48.265	103.553	-1.97																		
48.212	104.663	-1.82		.70		51	-13	2		-11		1.10	-.75		.07					
48.209	104.763	-3.68		.37		52	-14	2		-12		1.00	-.30		.40					
48.199	105.044	-2.22		.34		51	-12	3		-11		.70	.25		.33					
48.197	105.124	-1.24		.09		52	-13	2		-12		.50	.27		.13					
48.192	105.284	-1.28		.95		52	-12	3		-12		.48	.70		-.23					
48.165	105.698	-1.96		1.17		52	-11	3		-11		.08	.52		-.30					
48.226	104.750	-1.79		.69		52	-10	4		-13		0.00	1.00		-.30					
48.372	107.842	-1.89		1.15		53	-10	6		-15		-.60	1.00		0.00					
48.392	108.156	-2.38		-.28		53	-9	6		-15		-.60	.60		0.00					
48.440	108.762	-.72		.59		51	-7	10		-13		-.60	1.00		0.00					
48.444	108.800	-1.90		.05		50	-6	11		-10		-.90	.55		.20					
48.500	109.281	-3.43		.15		51	-7	11		-11		-.60	.70		.10					
48.512	109.379			-.18		50	-7	11		-9		-.60	.70		.40					
48.540	109.629	-1.06		-.43		50	-7	12		-9		-.60	.40		.40					
48.534	109.723	-1.07		-.00		51	-8	11		-10		-.60	.66		-.11					
48.456	109.825	-2.34		.16		51	-8	11		-10		-.60	.48		-.30					
48.397	109.920	-2.67	.84	.71		51	-8	12	-18	-10		-.60	.70	1.00	-.30					
48.337	110.016	-2.75	.93	.94		51	-7	12	-18	-10		-.60	.70	1.10	-.30					
48.277	110.111	-2.71	1.01	.93		52	-8	12	-19	-11		-.70	.75	1.10	-.30					
48.217	110.208	-2.67	1.07	.96		51	-7	12	-18	-10		-.90	.80	1.00	-.30					
48.158	110.303	-2.51	1.08	1.24		51	-6	12	-17	-9		-.60	.70	1.00	-.05					
48.099	110.399	-2.57	.95	.36		52	-6	11	-18	-10		-.47	.70	.87	0.00		-2.68		.46	
48.028	110.513	-2.55	1.04	-.05		51	-5	12	-17	-9		-.30	.70	.70	-.10		-2.63		-.14	
47.979	110.593	-2.39	1.09	-.21		51	-5	12	-17	-9		-.30	.50	.70	-.30		-2.60		-.29	
47.907	110.703	-2.56	1.02	-.17		52	-6	11	-18	-9		-.30	.45	.70	-.30		-2.57		-.23	

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WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 3

REFERENCE						ONI-7000#1												TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
47.844	110.797	-3.27	.87	-.48		52	-6	12	-18	-9		-.30	.24	.64	-.30		-2.57		-.24	
47.780	110.888	-2.28	1.01	.24		51	-5	13	-17	-8		-.30	.34	.40	-.51		-2.47		-.32	
47.716	110.979	-2.66	1.11	-.27		52	-5	13	-17	-8		-.35	.20	.13	-.60		-2.69		-.22	
47.653	111.074	-3.05	1.15	-.51		51	-4	13	-16	-6		-.60	.13	-.20	-.90		-2.30		-.50	
47.577	111.180	-2.72	1.04	-.02		51	-4	13	-16	-6		-.73	0.00	-.47	-.90		-2.91		-.63	
47.518	111.279	-3.33	.99	.36		52	-5	12	-17	-7		-.90	0.00	-.75	-.90		-2.92		-.26	
47.456	111.395	-2.26	1.05	.27		51	-4	13	-16	-6		-.90	-.10	-.90	-1.00		-2.41		.17	
47.471	111.507	-2.12	1.51	.90		51	-5	13	-16	-7		-1.20	-.30	-.99	-1.03					
47.507	111.626	-1.94	1.57	.35		51	-5	14	-16	-8		-1.25	-.15	-1.20	-1.45		-1.70		-1.27	
47.539	111.732	-2.32	1.02	.16		51	-6	13	-15	-9		-1.46	0.00	-1.20	-1.50		-2.20		-.75	
47.577	111.852	-2.08	.92	.20		50	-6	15	-14	-8		-1.50	0.00	-1.29	-1.63		-2.11		.03	
47.615	111.972	-1.28	1.69	1.01		51	-7	14	-15	-9		-1.60	0.00	-1.50	-1.75		-1.50		1.22	
47.650	112.075	-1.37	1.86	1.19		50	-6	14	-14	-8		-1.59	-.13	-1.80	-1.80		-1.56		1.05	
47.687	112.197	-1.75	1.49	1.14		50	-6	14	-14	-8		-1.80	-.26	-1.76	-1.80		-1.54		1.18	
47.720	112.301	-1.68	1.38	1.28		50	-6	14	-14	-8		-1.80	-.30	-1.80	-1.80		-1.16		1.43	
47.757	112.426	-1.42	1.44	1.38		50	-7	14	-14	-8		-2.00	-.30	-1.90	-1.95		-1.41		1.19	
47.784	112.516	-1.58	1.13	.84		50	-7	13	-14	-9		-2.10	-.60	-2.10	-1.98		-1.60		.59	
47.815	112.621	-1.89	.87	1.03		50	-9	12	-14	-10		-2.50	-.90	-2.10	-2.10		-1.75		1.00	
47.821	112.638	-1.38	1.26	1.55		51	-11	13	-16	-15		-2.50	-1.05	-2.30	-2.10					
47.903	112.904	-1.36	1.32	1.19		51	-11	13	-16	-16		-2.73	-.90	-2.50	-2.10		-1.34		1.61	
47.908	112.922	-1.28	1.52	2.03		58	-19	11	-24	-25		-3.40	0.00	-3.10	-2.50					
48.141	113.729	-1.18	1.47	2.22		58	-19	11	-24	-25		-3.40	.13	-3.10	-2.50					
48.153	113.787		1.43	2.06		58	-18	11	-23	-25		-3.40	.40	-3.10	-2.50		-1.98			
48.152	114.491	-1.91	1.73	3.58		59	-15	13	-21	-26		-3.34	.58	-3.40	-2.50				2.78	
48.137	114.613	-2.61	1.72	3.59		59	-15	13	-21	-26		-3.10	.58	-3.40	-2.68					
48.119	114.754	-2.39	1.44	3.18		60	-15	13	-22	-27		-3.23	.57	-3.61	-2.80					
48.100	114.896	-2.33	1.72	3.32		60	-15	13	-22	-27		-3.40	.70	-3.50	-2.80					
48.077	115.015	-2.41	1.82	3.76		60	-15	14	-22	-29		-3.15	1.00	-3.55	-2.80					
48.057	115.114	-2.83	1.66	3.04		60	-14	14	-21	-29		-3.20	.70	-3.45	-2.80					
48.035	115.230	-3.13	1.21	2.94		60	-14	13	-21	-29		-3.30	.60	-3.45	-2.80					
48.006	115.370	-3.45	1.57	3.40		60	-14	14	-21	-29		-3.10	.65	-3.50	-2.80					
47.982	115.489	-3.41	1.16	3.13		61	-15	15	-22	-30		-3.10	.64	-3.46	-2.80					
47.956	115.611	-3.31	1.43	2.55		62	-16	14	-22	-31		-3.10	.60	-3.55	-2.80					
47.931	115.730	-3.32	.87	3.62		62	-16	15	-22	-31		-3.10	.55	-3.40	-2.80					
47.910	115.849	-2.32	1.33	2.83		63	-16	15	-22	-33		-3.10	1.00	-3.40	-2.80					
47.886	115.968	-2.70	1.12	2.43		64	-15	15	-22	-34		-2.84	1.09	-3.40	-2.80					
47.860	116.109	-2.83	1.06	3.43		65	-15	15	-23	-35		-2.63	1.34	-3.40	-2.80					
47.830	116.247	-4.09	.66	3.47		66	-15	15	-22	-36		-2.43	1.40	-3.25	-2.80		-3.95	.62		
47.806	116.368	-3.96	1.35	3.58		68	-16	14	-23	-38		-1.76	1.39	-3.06	-2.80		-4.17	.86		
47.780	116.489	-4.05	.77	2.86		69	-16	14	-23	-39		-1.25	1.45	-2.80	-2.80		-4.54	.66		
47.761	116.612	-2.99	.61	2.37		70	-16	14	-22	-37		-.78	1.78	-2.20	-2.80		-2.94	.69		

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 4

REFERENCE						ONI-7000#7											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
47.638	117.671	-3.93	.92	2.70		79 b	-21 b	12	-26 b	-34 b		1.42	2.26	1.00	1.12		-3.99	.47		
47.600	117.744	-3.28	.34	2.20		79	-21	12	-26	-34		1.70	2.50	1.05	.90		-3.37	.49		
47.560	117.817	-2.56	.49	1.77		80	-21	12	-27	-35		2.10	2.50	1.25	.70		-2.89	.50		
47.554	117.913	-2.79	.41	2.15		80	-21	12	-27	-37		2.50	2.30	1.35	1.20		-2.73	.51		
47.546	118.014	-2.45	.52	2.65		82	-23	11	-29	-38		2.25	2.25	1.25	1.10		-2.49	.66		
47.541	118.116	-1.89	.76	2.41		82	-23	11	-28	-38		2.20	2.50	1.30	.85		-2.11	.74		
47.535	118.206	-1.86	.82	2.75		82	-23	12	-28	-38		2.20	2.25	1.20	.40		-1.82	.91		
47.517	118.342	-1.36	.97	2.44		83	-23	11	-29	-39		1.99	2.20	.96	.53		-1.76	.92		
47.499	118.458	-1.86	.83	2.01		83	-23	12	-30	-38		2.20	2.30	.50	.33		-1.76	.86		
47.477	118.594	-1.20	1.02	1.89		84	-24	11	-30	-39		2.40	2.30	.85	.27		-1.61	.92		
47.457	118.712	-1.45	.99	1.92		85	-25	12	-31	-39		2.45	2.45	1.05	-.05		-1.67	.97		
47.441	118.809	-1.00	1.56	2.32		85	-25	13	-31	-39		2.25	2.50	1.10	.07		-1.50	1.21		
47.419	118.946	-1.32	1.37	2.06		86	-26	13	-31	-41		2.20	2.50	1.26	.06		-1.41	1.40		
47.404	119.084	-1.04	1.62	2.43		87	-27	12	-33	-42		2.20	2.50	1.81	.11		-1.24	1.65		
47.393	119.224	-1.18	1.65	2.37		88	-28	13	-34	-42		2.20	2.50	1.45	.07		-1.20	1.79		
47.383	119.342	-1.15	1.77	2.11		88	-28	13	-34	-42		2.20	2.50	1.40	.40		-1.52	1.59		
47.371	119.461	-1.54	1.44	2.02		91	-31	13	-37	-45		2.20	2.50	1.40	.65		-1.68	1.41		
47.362	119.579	-2.20	1.11	1.87		91	-31	13	-37	-46		2.40	2.90	1.35	1.00		-1.99	1.32		
47.362	119.693	-2.26	1.28	1.84		92	-32	14	-38	-47		2.50	3.33	1.64	1.04		-2.27	1.20		
47.372	119.829	-2.54	1.23	2.17		93	-33	13	-39	-48		2.52	3.50	1.95	1.25		-2.45	1.29		
47.385	119.947	-2.72	1.54	2.35		94	-35	11	-41	-48		1.99	3.29	1.69	.83		-2.75	1.61		
47.395	120.080	-3.01	1.27	1.71		94	-35	10	-42	-48		2.15	3.05	1.05	.55		-3.12	1.36		
47.404	120.197	-2.76	1.04	2.04		93	-34	9	-40	-48		2.10	2.83	1.10	.80		-2.89	1.15		
47.409	120.316	-2.66	1.10	2.16		93	-34	8	-40	-48		1.95	2.83	1.40	.75		-2.87	1.28		
47.417	120.453	-2.52	1.05	2.16		93	-35	6	-40	-48		1.80	2.45	1.50	.70		-2.73	1.16		
47.424	120.565	-2.32	1.36	2.21		92	-34	6	-39	-46		1.90	2.29	1.26	1.00		-2.29	.95		
47.430	120.702	-1.78	.80	2.05		91	-32	4	-39	-45		1.81	2.24	.91	.41		-1.80	.90		
47.428	120.841	-1.61	.95	1.92		91	-33	4	-40	-46		1.75	2.15	.65	-.15		-1.83	1.09		
47.427	120.960	-2.00	1.07	1.86		90	-32	3	-40	-45		1.73	2.50	.79	-.51		-2.03	1.22		
47.425	121.099	-1.72	1.40	1.86		90	-32	3	-42	-45		1.70	2.50	-.13	-.20		-2.06	1.56		
47.421	121.198	-1.93	1.63	1.93		89	-33	2	-44	-44		1.50	2.25	-.65	-.30		-1.95	1.96		
47.415	121.337	-2.00	2.24	2.15		88	-32	2	-45	-44		1.50	1.55	-.90	-.30		-1.97	2.32		
47.409	121.456	-2.03	1.75	2.20		87	-32	1	-47	-43		1.45	1.50	-1.05	-.55		-2.44	2.58	1.94	
47.405	121.554	-2.14	1.27	1.96		86	-33	2	-47	-43		.52	1.60	-1.20	-.70		-2.43	2.25	2.10	
47.399	121.691	-2.35	.60	1.79		85	-33	2	-47	-43		-.25	1.90	-1.20	-.85		-2.69	2.01	1.78	
47.403	121.808	-2.06	1.50	1.92		84	-32	2	-48	-42		.33	1.65	-1.20	-.65		-2.99		1.28	
47.408	121.922	-1.84	1.43	2.60		83	-32	2	-47	-42		.27	1.40	-1.20	-.60		-2.45		1.15	
47.418	122.040	-2.46	2.02	1.38		81	-32	3	-45	-41		0.00	1.51	-1.20	-.60		-2.78	.67	.94	
47.429	122.168	-2.82	1.00	1.62		79	-31	4	-43	-41		-.30	1.55	-1.25	-.60		-2.49	1.20		
47.438	122.275	-2.00	1.05	2.95		75	-27	8	-38	-38		-.30	1.60	-1.40	-.60		-2.35	1.03		
47.399	122.365	-8.78	-2.31	5.58		74	-29	8	-35	-39		-.30	1.30	-1.32	-.72		-3.28	1.68		
47.309	122.346	-12.11	-9.48	33.69		74	-25	10	-33	-42		-.70	1.05	-1.50	-.90		-2.91	2.41		
47.217	122.348	-12.33	-8.23	59.73		73	-17	11	-31	-43		-2.37	1.86	-1.50	-.75		-2.69	1.63		
47.127	122.376	-12.62	-9.06			73	-17	12	-30			-4.42	2.20	-1.50			-3.10	1.12		
47.027	122.418		-9.48			72	-16	11	-29			-5.30	1.85	-1.50			-2.49	.99		
46.947	122.435	-3.31	.90			71	-19	10	-27			-2.50	.90	-1.55			-2.98	1.01		
46.856	122.442	-2.10	.62			71	-19	9	-26			-2.85	.95	-1.90			-2.23	.77		
46.750	122.453	-2.55	.58			71	-19	8	-24			-2.30	.50	-1.80			-2.52	.64		
46.653	122.465	-2.89	1.06			70	-18	8	-22			-2.06	.27	-1.80			-3.21	.66		

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 4

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.545	122.473	-2.50	.32			71 b	-18 b	10	-22 b			-2.05	.90	-1.70			-2.90	.34		
46.456	122.488	-2.00	.87			70	-17	11	-20			-1.50	1.13	-1.67			-2.12	.30		
46.350	122.517	-1.89	.40			70	-17	11	-19			-1.11	1.56	-1.11			-2.20	.40		
46.244	122.545	-2.57	.20			70	-16	10	-19			-.65	1.15	-.65			-2.75	.30		
46.154	122.565	-3.09	.28			70	-15	9	-18			-.60	.61	-.39			-2.61	.17		
46.046	122.572	-2.38	.39			70	-14	8	-17			-.20	.55	-.25			-2.27	.01		
45.954	122.569	-1.61	-.37	2.26		70	-14	9	-16	-29 h		.40	.45	-.05	-.30		-2.38	-.20		
45.864	122.580	-1.57	-.14	2.16		70	-14	10	-16	-28		0.00	1.15	.48	-.45		-2.10	-.28		
45.769	122.553	-1.73	-.37	1.96		70	-14	10	-16	-26		.20	1.65	.10	.85		-2.21	-.37		
45.681	122.583	-2.03	.48	1.84		70	-14	9	-16	-26		.64	1.72	-.10	.38		-2.01	.24		
45.597	122.636	-2.15	.91	1.79		70	-14	9	-16	-26		.75	1.30	-.08	-.70		-1.46	.96		
45.507	122.673	-2.22	.93	2.63		69	-14	9	-14	-25		.65	1.10	.60	-1.20		-2.97	.93		
45.424	122.718	-1.75	.88	2.08		66	-12	12	-11	-23		.02	1.20	.70	-1.00		-2.71	.74		
45.337	122.759	-2.90	1.04	1.94		67	-12	11	-12	-25		0.00	1.00	.80	-.95		-2.33	.85		
45.250	122.802	-2.02	1.10	2.01		67	-11	12	-11	-26		-.05	1.50	.90	-.75		-2.62	1.18		
45.165	122.842	-2.31	1.22	1.97		68	-11	12	-12	-27		.33	1.90	.75	-1.10		-2.70	1.31		
45.093	122.881	-2.79	1.49	2.01		68	-10	12	-12	-27		.40	2.00	.65	-1.20		-2.79	1.47		
45.007	122.917	-3.10	1.10	1.81		69	-11	10	-13	-28		.65	2.05	.45	-1.20		-2.94	.90		
44.907	122.970	-3.57	.89	2.01		69	-10	10	-12	-27		1.09	1.90	.87	-1.11		-3.29	1.07		
44.807	123.022	-2.97	1.43	2.10		69	-9	10	-12	-26		1.24	1.90	1.24	-1.20		-2.67	1.42		
44.719	123.054	-2.44	1.86	1.88		69	-9	9	-12	-25		1.30	1.73	1.04	-1.24		-2.49	1.27		
44.613	123.070	-2.32	.91	2.34		69	-9	9	-12	-25		1.17	1.86	1.09	-1.50		-2.59	.49		
44.507	123.094	-2.94	.40	1.69		68	-8	9	-11	-24		1.05	1.90	.70	-1.50		-2.68	.31		
44.415	123.113	-2.22	.27	1.67		68	-8	9	-11	-24		.85	1.90	.33	-1.60		-2.79	.32		
44.323	123.137	-2.15	.37	1.71		68	-8	8	-11	-24		.80	1.80	.13	-1.70		-2.50	.41		
44.248	123.164	-2.83	.57	2.17		67	-6	8	-9	-23		1.40	1.60	.40	-1.55		-2.69	.44		
44.142	123.196	-2.29	.45	2.16		67	-6	8	-9	-22		1.40	1.55	.90	-1.15		-2.80	.40		
44.108	123.084	-2.60	.47	1.96		67	-7	7	-10	-25		1.10	.90	1.15	-1.10		.25	.08		
44.120	122.990	-1.37	.74	1.89		67	-6	7	-9	-23		1.25	.85	.80	-1.20		-1.48	.53		
44.139	122.859	-1.52	.77	1.63		66	-5	7	-9	-21		1.04	.91	.70	-1.46		-1.72	.53		
44.156	122.727	-1.58	.69	1.96		66	-5	7	-9	-21		.70	.66	0.00	-1.76		-1.73	.77		
44.168	122.593	-1.73	.79	1.87		66	-5	8	-9	-21		.74	1.00	-.11	-1.84		-1.91	.58		
44.179	122.458	-1.69	.66	1.90		66	-5	10	-8	-21		1.00	1.45	.40	-1.80		-1.82	.42		
44.188	122.342	-1.80	.31	2.02		66	-4	9	-9	-21		1.10	1.40	.27	-1.60		-2.11	.31		
44.195	122.225	-2.10	.78	1.94		66	-3	9	-10	-19		1.75	1.10	.33	-1.50		-2.58	.77		
44.205	122.107	-1.46	1.11	2.14		66	-2	9	-12	-18		2.20	.79	-.34	-1.16		-1.78	.92		
44.215	121.970	-1.69	.93	2.20		64	-2	12	-11	-18		1.90	1.00	-.65	-1.15		-1.82	.80		
44.224	121.853	-1.64	.81	2.15		66	-5	13	-11	-20		1.17	1.73	-.73	-1.33		-1.89	.60		
44.233	121.736	-1.49	.41	2.15		66	-4	14	-10	-19		1.45	2.00	-.50	-1.20		-1.72	.11		
44.242	121.619	-1.56	.21	2.25		67	-3	14	-10	-19		1.70	2.20	.07	-1.20		-1.77	.15		
44.254	121.482	-1.51	.09	2.29		68	-4	13	-7	-19		1.77	2.33	.79	-1.20		-1.56	-.03		
44.259	121.349	-1.95	.41	2.08		68	-4	13	-6	-18		1.60	2.20	1.65	-.80		-2.18	.28		
44.270	121.239	-1.64	.80	1.77		69	-4	13	-8	-19		1.95	2.15	2.10	.07		-2.11	.78		
44.305	121.115	-1.20	1.04	1.94		70 b	-4	12	-11	-19		2.30	1.90	1.75	.90		-1.45	1.01		
44.329	121.026	-1.14	1.28	2.46		71	-4	11	-12	-20		2.40	2.20	1.50	.85		-1.44	1.11		
44.363	120.902	-.56	1.26	2.61		71	-4	12	-11	-20		2.50	2.40	1.55	.45		-1.39	1.02		
44.387	120.811	-1.07	.96	2.23		72	-5	11	-11	-20		2.35	2.50	1.60	.75		-1.42	1.02		
44.419	120.684	-1.37	.92	2.12		72	-5	11	-10	-20		2.20	2.37	2.03	.53		-1.58	.97		
44.452	120.557	-1.38	1.02	2.12		73	-5	11	-10	-20		2.20	2.65	2.15	.60		-1.48	.87		

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 4

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
44.479	120.446	-1.30	1.02	2.17		72 b	-4	12	-9	-20 b		2.20	2.57	1.90	.65		-1.33	.98		
44.500	120.332	-1.04	1.18	2.39		71	-3	12	-9	-19		2.30	2.50	1.65	-.20		-1.64	1.01		
44.522	120.217	-1.85	.89	1.89		72	-3	12	-9	-20		2.83	2.45	1.85	-.55		-1.83	.90		
44.547	120.105	-1.03	.72	1.86		73	-5	11	-10	-21		2.90	2.20	2.11	-.17		-1.43	.76		
44.579	119.977	-1.91	.64	2.01		74	-7	10	-12	-22		2.57	2.30	2.15	.20		-1.99	.59		
44.608	119.868	-1.50	.61	2.26		74	-7	11	-12	-21		2.50	2.50	1.90	.57		-1.99	.47		
44.640	119.737	-1.53	.54	2.82		75	-8	10	-13	-22		2.35	2.50	1.65	.70		-1.84	.39		
44.654	119.640	-2.10	.47	2.05		75	-9	9	-14	-23		1.85	2.83	1.65	.40		-2.23	.42		
44.662	119.499	-1.75	.68	1.97		75	-8	9	-14	-23		1.90	2.45	1.80	.55		-2.18	.51		
44.677	119.382	-1.32	.77	2.09		75	-8	10	-13	-23		2.46	2.20	2.16	.61		-1.58	.89		
44.690	119.238	-1.62	1.07	1.82		76	-9	9	-15	-22		2.20	2.40	1.95	.60		-2.09	.87		
44.698	119.116	-1.40	.89	2.30		74	-7	11	-13	-20		2.30	2.57	2.10	.95		-1.65	1.01		
44.703	119.015	-1.26	.99	2.55		74	-6	11	-12	-20		2.50	2.50	2.20	.95		-1.50		2.54	
44.709	118.893	-1.68	.59	2.31		75	-7	10	-14	-22		2.50	2.30	2.20	.50		-1.79		2.20	
44.717	118.750	-1.34	.56	2.13		75	-8	10	-14	-22		2.40	2.45	2.15	.80		-1.60		2.14	
44.722	118.647	-1.58	.75	2.23		75	-8	10	-15	-24		2.25	2.50	1.85	.55		-1.85		2.29	
44.729	118.507	-2.62	.84	2.03		75	-8	10	-14	-23		2.35	2.50	1.90	.40		-3.07		1.97	
44.739	118.384	-1.27	.91	2.14		75	-7	9	-14	-23		2.63	2.50	2.20	.33		-2.07		2.19	
44.755	118.269	-1.66	1.27	2.06		76	-9	8	-16	-23		2.90	2.24	2.20	.79		-2.23		2.20	
44.790	118.137	-1.65	1.08	2.44		76	-9	7	-16	-23		2.64	2.20	2.37	.70		-1.99		2.22	
44.821	118.005	-1.68	1.19	2.37		76	-9	7	-15	-23		1.77	2.20	2.37	.17		-1.70		2.52	
44.839	117.865	-1.24	.88	2.74		75	-8	9	-14	-22		2.16	2.90	2.24	0.00		-1.57		2.69	
44.831	117.748	-3.50	.90	2.08		76	-8	8	-15	-23		2.20	3.05	2.05	-.30		-3.14		2.31	
44.829	117.599	-3.36	.93	2.14		76	-8	8	-15	-24		2.58	2.66	2.20	.32		-3.58		2.01	
44.824	117.473	-3.13	.93	2.24		75	-8	9	-14	-22		2.41	2.79	2.33	.17		-3.41		2.07	
44.816	117.327	-2.44	1.06	2.59		75	-8	8	-15	-22		2.50	2.63	2.20	.60		-2.82		2.40	
44.809	117.200	-2.27	.90	2.76		75	-8	7	-14	-23		2.57	2.50	2.20	.27		-2.45		2.26	
44.802	117.072	-1.78	1.04	2.34		75	-9	5	-15	-23		2.50	2.25	2.20	-.10		-2.08		2.46	
44.794	116.947	-1.57	1.35	2.39		75	-8	2	-16	-23		2.33	1.47	2.20	-.47		-1.93		2.52	
44.787	116.799	-2.22	.96	2.61		74	-7	3	-15	-20		2.50	.95	2.15	.20		-2.14		2.51	
44.782	116.670	-1.27	1.04	2.80		73	-5	5	-13	-19		2.40	1.10	2.20	.75		-1.58		2.80	
44.777	116.542	-1.71	.77	3.47		72	-4	6	-12	-19		2.44	1.42	2.20	.58		-1.64		3.09	
44.776	116.414	-1.96	.92	3.74		72	-4	7	-12	-20		3.05	1.90	2.42	.40		-1.97		3.38	
44.780	116.242	-1.62	.85	4.64		72	-4	8	-12	-20		3.20	2.20	2.20	.13		-1.63		4.23	
44.782	116.194																-2.11			
45.046	114.034	-2.73	1.13	1.38		61	-5	8	-15	-10		.40	-.30	-.60	1.00		-2.72		1.42	
45.217	112.798	-2.26	1.59	1.99		58	-1	10	-13	-9		1.00	1.00	-1.12	-.97		-2.18		2.05	
45.237	112.650	-1.27	1.64	1.98		58	-2	9	-13	-9		1.18	1.00	-1.14	-1.08		-1.26		1.56	
45.273	112.544	-.87	1.87	1.04		58	-2	8	-13	-9		1.55	.53	-1.05	-.23		-.89		.91	
45.349	112.501	-.55	2.02	.80		58	-2	7	-13	-8		1.45	0.00	-.90	.27		-.95		.84	
45.427	112.453	-1.13	1.81	.88		58	-2	7	-13	-8		1.36	0.00	-1.20	.08		-.94		.86	
45.503	112.402	-1.17	1.83	.95		57	-0	8	-12	-7		1.55	.07	-1.40	.33		-1.06		.86	
45.579	112.349	-.88	1.83	.71		56	1	10	-12	-5		1.15	.60	-1.45	.40		-1.20		.59	
45.642	112.306	-1.23	1.87	.55		54	2	11	-10	-3		1.05	.60	-1.65	.48		-1.17		.46	
45.732	112.247	-.90	1.90	.36		53	3	12	-10	-2		1.00	.50	-1.80	.55		-1.06		.25	
45.809	112.196	-.90	1.94	.12		51	4	13	-8	-0		1.00	.20	-1.65	.45		-1.23		.18	
45.882	112.141	-1.69	1.96	.33		49	5	16	-8	1		1.30	.37	-1.70	.27		-1.57		.38	
45.890	112.024	-2.35	2.06	.79		52	3	13	-11	-4		1.17	1.13	-1.80	-.81		-2.34		1.31	
45.859	111.877	-1.63	1.98	1.03		53	-0	12	-11	-6		.80	.95	-2.00	-1.05		-1.89		.72	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 4

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
45.835	111.751	-2.01	1.63	.63		51	-0	14	-10	-0		.70	.70	-2.10	.54		-1.95		.40	
45.820	111.599	-1.88	1.42	-.11		51	1	14	-10	1		.60	.45	-2.10	1.30		-1.94		-.38	
45.810	111.468	-1.84	1.16	.41		50	2	15	-9	2		.30	.65	-2.10	1.50		-1.97		-.07	
45.810	111.231		2.29	-.24		52	0	13	-11	-2		-.30	1.00	-2.10	1.00		3.27		-.08	
45.752	111.140	1.15	2.83	1.08		50	2	15	-9	-3		0.00	.85	-2.30	-1.58		-.57		1.12	
45.710	111.021	-1.75	1.87	.83		51	2	15	-9	-3		.33	.75	-2.30	-1.40		-2.11		.94	
45.679	110.946	-2.11	1.56	.79		49	3	16	-7	-4		0.00	.85	-2.10	-1.50		-2.07		.61	
45.657	110.789	-.53	1.84	.80		51	-1	14	-10	-2		-.13	.77	-2.10	-.57		-.80		.42	
45.725	110.351	-.89	1.68	.44		51	-1	13	-11	-3		-.15	1.00	-2.10	.85		-.90		.40	
45.787	109.933	-2.18	1.77	2.01		51	0	12	-12	-7		0.00	.70	-2.10	-.30					
45.728	110.160	-2.24	2.19	1.04		51	-2	12	-11	-6		.80	1.00	-2.17	-.70		-2.23		1.17	
45.735	110.030	-2.35	1.93	.84		52	-3	11	-13	-8		.52	.88	-2.26	-.66		-2.44		.86	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 5

REFERENCE LAT DEG	REFERENCE LONG DEG	TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ	ATM NOISE dB	ONI-7000#1 SNR dB M	W	X	Y	Z	ECD uS M	W	X	Y	Z	TDL-711 TD BIAS uS MW	MX	MY	MZ
45.662	108.371	-.96		.56		50	-1	10		-2		.52	.40		-1.20		-.96		.61	
45.606	108.284	-.62	1.48	.94		51	-1	10	-10	-3		.90	.25	2.05	-1.00		-.93		.83	
45.566	108.219	-1.06	1.55	.85		51	-1	9	-10	-2		1.20	.27	2.10	-.35		-1.12		.92	
45.518	108.135	-1.29	1.31	.63		50	0	9	-9	-2		1.75	.45	2.15	-.40		-1.46		.75	
45.462	108.044	-1.21	1.31	.73		50	0	9	-9	-1		1.85	.45	2.50	-.08		-1.55		.82	
45.404	107.950	-1.18	1.29	.69		50	-0	9	-9	-2		1.75	.45	2.50	.07		-1.40		.85	
45.344	107.857	-1.41	1.51	1.28		50	0	9	-9	-3		1.48	.40	2.32	-.12		-1.44		.76	
45.284	107.764	-.89	1.59	.66		50	-1	9	-9	-2		1.25	.33	2.40	-.30		-1.29		.82	
45.224	107.670	-.97	1.23	.55		49	0	10	-8	-1		1.45	.65	2.50	-.15		-1.32		.60	
45.165	107.575	-1.11	1.23	.71		50	-0	8	-9	-2		1.60	.65	2.50	.38		-1.19		.68	
45.106	107.479	-1.18	1.40	1.29		50	-1	8	-8	-2		1.35	.70	2.50	.80		-1.34		.86	
45.045	107.383	-.98	1.35	1.30		50	-1	7	-8	-2		1.10	.45	2.77	.80		-1.30		1.17	
44.987	107.289	-1.03	1.41	1.04		50	-1	6	-8	-2		.60	.07	2.77	.85		-1.31		.94	
44.928	107.193	-1.03	1.26	.71		51	-2	5	-10	-4		.40	0.00	2.90	1.20		-1.44		.61	
44.871	107.095	-.84	1.05	.60		50	-3	5	-9	-3		-.05	.35	2.63	1.35		-1.11		.67	
44.838	106.982	-.92	1.08	.06		50	-2	4	-9	-4		-.06	.16	2.50	1.36		-1.02		.03	
44.809	106.862	-1.00	1.22	.52		50	-2	4	-9	-4		.45	-.05	2.57	1.25		-1.20		.34	
44.785	106.743	-.62	1.31	.61		51	-3	3	-10	-5		.40	-.48	2.90	1.12		-1.03		.53	
44.762	106.619	-.87	1.36	.80		51	-4	3	-10	-5		0.00	-.90	2.90	1.40		-1.05		.59	
44.740	106.500	-1.04	1.59	.45		51	-4	3	-10	-4		0.00	-.85	2.90	1.30		-1.09		.33	
44.718	106.379	-1.09	1.67	.05		51	-3	3	-10	-2		0.00	-.90	2.90	1.15		-1.20		.03	
44.693	106.259	-1.17	1.83	.09		51	-3	3	-10	-2		.55	-.90	2.90	1.00		-1.14		.01	
44.668	106.141	-.88	1.93	.00		52	-3	2	-11	-1		.70	-.80	2.90	1.10		-.92		-.07	
44.642	106.021	-.91	1.70	.25		51	-2	3	-10	-0		1.15	-.55	2.90	1.40		-.90		.13	
44.618	105.900	-.78	1.54	.17		51	-2	3	-10	0		1.42	-.90	2.90	1.60		-.82		.10	
44.595	105.775	-.86	1.40	.04		53	-3	1	-12	-2		1.60	-.85	2.90	1.60		-.78		-.01	
44.570	105.653	-.92	1.32	-.10		53	-3	1	-11	-1		1.75	-.65	2.90	1.55		-.85		.00	
44.545	105.530	-1.15	1.11	.08		52	-2	2	-10	-1		2.00	-.35	2.90	1.50		-1.11		-.02	
44.521	105.409	-1.25	.97	.02		52	-2	2	-10	-1		1.85	-.25	3.20	1.25		-1.30		-.12	
44.497	105.287	-1.05	.97	-.07		52	-3	2	-10	-1		1.90	.15	3.20	1.80		-1.08		-.17	
44.473	105.163	-1.41	.94	-.04		52	-3	2	-10	-1		2.05	-.15	3.20	1.10		-1.41		.00	
44.449	105.041	-1.58	.90	-.05		52	-3	2	-11	-2		2.40	-.25	3.00	.58		-1.31		.00	
44.421	104.920	-1.83	1.10	.07		52	-2	2	-11	-2		2.30	-.65	3.10	-.20		-1.64		.11	
44.396	104.799	-.60	1.17	-.44		53	-3	0	-12	-3		2.83	-.15	3.20	-.20		-.68		-.29	
44.372	104.680	-.40	1.20	-.27		52	-3	1	-11	-2		2.95	.43	3.20	.45		-.66		-.18	
44.345	104.560	.71	1.45	-.94		52	-3	2	-11	-2		2.77	.13	3.25	.40		.69		-.98	
44.322	104.436	1.98	1.53	-1.00		52	-3	1	-11	-2		2.30	.13	3.50	.70		2.03		-1.34	
44.296	104.315	2.29	1.50	-1.33		52	-3	1	-11	-2		2.44	.40	3.50	1.06		2.64		-1.54	
44.254	104.199	.34	1.38	-.45		52	-3	1	-11	-2		2.70	.48	3.60	1.50		.48		-.21	
44.228	104.077	-1.02	1.23	.49		53	-4	0	-12	-3		2.77	1.05	3.80	1.75		-.80		.27	
44.201	103.956	-1.13	1.27	.50		53	-3	0	-12	-3		2.77	1.50	3.80	1.85		-1.01		.56	
44.172	103.836	-.94	1.22	.56		53	-3	-0	-11	-3		2.90	1.60	3.80	1.96		-.40		.35	
44.148	103.713	-.27	1.18	.42		52	-4	-1	-11	-3		2.70	1.68	3.80	2.35		-.60		.53	
44.121	103.592	-.93	1.05	.66		52	-5	-1	-11	-4		2.90	1.80	3.80	2.77		-.86		.64	
44.093	103.472	-.93	.97	.64		53	-6	-3	-13	-5		2.77	2.15	3.80	3.10		-.94		.59	
44.066	103.349	-.85	.84	.65		53	-6	-3	-13	-5		2.90	2.20	3.80	3.20		-.85		.58	
44.039	103.226	-.71	.70	.70		53	-7	-3	-13	-6		2.90	2.30	3.80	3.20		-.81		.57	
44.011	103.103	-.95	.75	.88		53	-7	-4	-14	-6		2.90	2.63	3.80	3.25		-.89		.66	
43.991	102.980	-.53	.61	.33		54	-8	-4	-15	-6		2.90	3.14	3.80	3.50		-.74		.18	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 5

REFERENCE						ONI-7000#1												TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.998	102.857	-.72	.80	.31		53	-7	-3	-14	-5		3.20	3.50	3.80	3.65		-.92		.06	
44.005	102.728	-1.07	.74	.41		53	-6	-3	-14	-4		3.20	3.50	3.80	3.80		-1.01		.34	
44.011	102.603	-1.06	.75	.44		54	-7	-3	-15	-5		3.20	3.50	3.95	3.85		-1.04		.44	
44.018	102.455	-.97	.83	.61		53	-6	-3	-14	-4		3.30	3.20	4.10	4.10		-.97		.36	
44.023	102.349	-.98	.89	.65		53	-6	-3	-14	-4		3.50	3.35	4.05	4.20		-1.01		.48	
44.027	102.224	-.99	1.00	.64		54	-7	-4	-15	-5		3.60	3.35	4.10	4.35		-.87		.61	
44.032	102.099	-.99	1.09	.68		54	-7	-4	-15	-5		3.80	3.50	4.10	4.65		-.92		.54	
44.037	101.974	-.92	.93	.62		54	-7	-4	-15	-5		3.80	3.70	4.10	4.95		-.83		.50	
44.042	101.848	-.81	.89	.67		54	-7	-3	-15	-5		3.80	3.85	4.10	5.00		-.90		.54	
44.054	101.722	-.75	.81			53	-6	-3	-14			3.80	4.34	4.10			-.97		.35	
44.069	101.602	-.77	.94			53	-6	-3	-14			3.80	4.70	4.10			-.75		.30	
44.093	101.480	-.64	.89	.57		54	-8	-3	-15	-5		3.80	4.95	4.10	6.00		-.68		.46	
44.115	101.362	-.77	.98	10.33		54	-8	-3	-15	0		3.80	5.00	4.10	3.80		-.81		.20	
44.141	101.243	-.78	.98			53	-7	-2	-14			3.80	5.20	4.10			-.73		.32	
44.169	101.126	-1.04	.84			53	-7	-3	-14			3.80	5.30	4.10			-1.20		.43	
44.198	101.007		.71			54	-8		-15			4.10		4.25			-1.36		.76	
44.222	100.889		.88			54	-8		-15			4.10		4.40			-2.06		1.39	
44.223	100.769		.65			53	-7		-14			4.10		4.40			-6.61		4.36	
44.282	100.656																-.95		.41	
44.313	100.519		.74			54	-9		-16			4.10		4.40			-.93		.40	
44.340	100.403																-.85		.55	
44.361	100.307																-1.87		.87	
44.389	100.172																-1.69		.69	
44.375	100.051																-1.80		.86	
44.340	99.933																-1.22		.80	
44.308	99.816																-1.02		.66	
44.268	99.674																-1.18		.49	
44.240	99.576																-1.09		.59	
43.964	98.661																			
43.926	98.541																			
43.891	98.418	18.85																		
43.857	98.296					54	-12	4				5.70	2.27							
43.816	98.155					53		3					2.42							
43.788	98.054					54		3					2.25							
43.773	97.905					53		2					2.20							
43.761	97.757					54		3					2.10							
43.750	97.653					54		2					1.95							
43.738	97.523					54		3					1.90							
43.723	97.395					54		2					1.90							
43.715	97.312					53							1.90							
43.645	96.409																			
43.646	96.278					54		-1					2.00							
43.648	96.171					55		-2					1.40							
43.649	96.019					55		-3					.90							
43.652	95.906					55		-3					.65							
43.655	95.755					55		-3					.20							
43.655	95.623					55		-4					-.45							
43.655	95.492					55		-4					-.50							
43.656	95.360					55		-4					-.85							

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WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 5

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.657	95.227					55		-5					-1.33							
43.660	95.073					55		-5					-1.50							

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WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 6

REFERENCE		ONI-7000#1															TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

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WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 7

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
40.998	99.223																			
40.999	99.315																			
41.003	99.407																			
41.005	99.500									-1										
41.025	100.010					45				-1					-.65					
41.029	100.103					46				-1					-.95					
41.032	100.196					45		-5		-0			2.35		-.75					
41.033	100.288					46		-5		0			2.90		-.30					
41.034	100.381					45		-5		1			3.65		-.13					
41.034	100.473					45		-4					4.10							
41.036	100.565					45		-4					4.10							
41.041	100.657					45		-9					3.85							
41.047	100.751					45		-6		-3			3.80		2.77					
41.052	100.841					45		-5		-4			3.90		2.90					
41.058	100.932					45		-4		-4			4.10		3.05					
41.064	101.023					44		-3		-3			4.46		2.90					
41.068	101.115					44		-3		-3			4.65		2.90					
41.071	101.208					44		-3		-3			4.50		2.77					
41.072	101.300					45		-4		-4			3.95		2.90					
41.073	101.392	-10.22		-10.25		45	-0	-4		-3		-3.30	3.80		3.30					
41.072	101.482	-10.29		-10.21		45	-1	-4		-3		-3.10	3.80		3.55					
41.073	101.573	-9.74		-9.76		45	-1	-4		-3		-3.10	3.80		3.50					
41.074	101.664	-10.29		-10.43		44	1	-3		-3		-3.35	3.95		3.20					
41.074	101.754	-10.49		-10.26		44	1	-3		-3		-3.25	3.90		2.95					
41.075	101.842	-10.43		-10.40		45	1	-4		-4		-3.40	3.80		2.57					
41.075	101.928	-10.43		-10.28		45	0	-3		-4		-3.60	3.85		2.90					
41.075	102.016	-9.99		-9.73		44	1	-2		-3		-3.75	4.35		3.00					
41.076	102.102	-10.46		-10.24		44	1	-2		-2		-4.10	4.70		3.45		-.35		-.54	
41.075	102.187	-10.40		-10.20		44	1	-2		-2		-4.25	4.45		3.50		-.47		-.36	
41.075	102.277	-10.49		-10.46		44	1	-3		-3		-4.60	3.95		3.30		-.42		-.50	
41.078	102.365	-10.19		-10.48		44	1	-3		-3		-4.60	3.80		2.87		-.31		-.57	
41.077	102.452	-10.25		-10.64		44	2	-2		-3		-4.60	4.05		2.50		-.30		-.63	
41.079	102.538	-9.45		-10.06		44	2	-2		-2		-4.73	4.50		2.45		.06		-.72	
41.081	102.627	-10.06		-10.49		44	3	-1		-2		-5.00	4.50		2.35		-.13		-.65	
41.085	102.716	-10.19		-10.22		43	3	-3		-0		-4.76	4.04		2.66		-.28	10.75	-.30	
41.090	102.805	-9.50		-9.54		44	2	-4		-1		-4.35	3.70		3.15		-.08	10.85	-.17	
41.093	102.894	-10.01		-10.07		44	3	0		0		-4.10	3.15		2.82		-.08		-.18	
41.095	102.986	-10.26		-10.22		44	3	-0		-0		-3.70	3.10		2.15		-.37		-.22	
41.099	103.078					45		-1		-0			3.70		1.90		-.28		-.40	
41.104	103.167	-.15				44		1		1			4.55		1.90		-.31		-.68	
41.110	103.249	-.13		-.46		45	-2	0		1		.55	5.20		2.32		-.25		-.64	
41.116	103.339					45				1					3.15		-.37		-.77	
41.120	103.422			-.70		45	-1			1		2.12			3.15		-.51		-.72	
41.127	103.509	-.62		-.94		44	-0			1		2.98			2.15		-.41		-.71	
41.138	103.594	-.57		-.94		45	0	0		0		3.95	-1.80		1.35		-.49		-.73	
41.147	103.677					45		1		1			-.07		1.00		-.60		-.58	
41.157	103.762					44		2		2			2.00		1.75		-.64		-.49	
41.167	103.849					44				3					2.05		-.75		-.57	
41.177	103.937			-.57		44	1			3		-1.95			2.30		-.71		-.42	

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WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 7

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.188	104.021					44				3					2.50		-.63		-.16	
41.201	104.107					44				3					2.35		-.56		-.07	
41.212	104.194					45				3					1.30		-.58		-.04	
41.221	104.281																-.61		-.22	
41.223	104.370																-.72		-.06	
41.224	104.456																-.70		-.21	
41.217	104.550																-.70		-.28	
41.211	104.637																-.54		-.33	
41.204	104.726																-.60		-.12	
41.212	104.814																-.28		-.32	
41.223	104.904																-.17		-.31	
41.234	104.991																-.23		-.11	
41.245	105.077																-.30		-.09	
41.259	105.163																.02		-.24	
41.272	105.251																.12		-.24	
41.286	105.339																.31		-.62	
41.298	105.422																.43		-.56	
41.311	105.503																.60		-.42	
41.323	105.584																.79		-.21	
41.332	105.673																.56		.13	
41.349	105.752																1.70		.09	
41.370	105.839		1.31	.27		46	5		-5	7		.85		2.20	-.15		1.57		.25	
41.390	105.921																1.85		.33	
41.411	106.006	2.13	1.37	.63		46	6	1	-5	9		.85	1.00	1.90	.20		2.17		.63	
41.431	106.088	2.68	1.79	1.07		46	6	-1	-4	8		.95	1.40	1.85	-.02		2.40		.71	
41.451	106.166	2.24	1.40	1.21		47	6	-1	-4	8		.95	1.45	1.70	-.10		2.45		1.28	
41.470	106.243	2.67	1.97	1.54		46	7	-1	-2	8		.85	1.30	2.05	-.20		2.43		1.23	
41.487	106.322	2.35	1.61	1.11		50	4	-4	-5	6		1.00	1.00	1.95	-.15		2.52		1.04	
41.499	106.403	1.99	1.70	1.07		49	5	-4	-4	6		.90	1.20	1.95	-.25		2.13		1.09	
41.509	106.487	1.73	1.60	1.21		47	8	-1	-2	9		1.00	1.15	2.05	-.75		1.90		1.19	
41.522	106.571	1.92	1.57	1.12		46	9	1	0	10		.85	1.55	2.00	-.90		2.13		1.23	
41.533	106.654	2.47	2.43	2.05		46	9	0	-0	10		.85	1.65	1.90	-.60		1.80		1.39	
41.547	106.737	1.78	1.54	1.17		47	8	-1	-1	9		.75	2.00	1.90	-.40		1.96		1.26	
41.566	106.813	2.04	1.98	1.46		47	8	-1	-1	9		.45	1.65	2.00	.08		2.15		1.10	
41.588	106.891	2.15	1.52	.94		48	8	-2	-2	10		.55	1.15	2.10	.32		2.19		1.00	
41.609	106.968	2.03	1.85	1.14		47	8	-1	-7	10		.46	.38	2.14	.32		2.17		.98	
41.629	107.044	2.33	1.96	1.42		46	9	0	-1	11		.55	.13	1.75	-.05		2.00		1.09	
41.648	107.117	1.78	1.47	1.08		47	8	-0	-1	9		.50	-.25	1.90	-.03		1.95		1.19	
41.663	107.192	1.43	1.55	1.05		49	6	-2	-3	7		.60	-.35	1.80	-.20		1.71		1.19	
41.681	107.266	2.02	1.66	.94		52	3	-5	-6	4		.33	-.60	1.60	-.30		2.20		.89	
41.699	107.342	2.94	2.76	1.42		56	0	-9	-10	0		.65	-.60	1.60	-.55		2.40		.55	
41.716	107.442	.96	1.61	1.52		59	-3	-12	-12	-3		.70	-.60	1.60	-.38		1.02		1.90	
41.736	107.523	1.65	1.64	1.17		56	0	-8	-12	1		.82	-.54	1.90	-.48		1.58		1.24	
41.755	107.597	1.22	1.55	1.28		52	4	-4	-9	3		1.25	-.30	1.90	-.25		1.43		1.22	
41.747	107.674	.86	2.12	1.41		51	5	-3	-6	4		1.75	-.30	1.90	.60		1.25		1.21	
41.733	107.751	.95	1.75	1.16		51	5	-3	-5	5		1.85	-.15	2.00	.70		1.20		1.09	
41.720	107.823	1.25	1.66	1.08		50	6	-1	-4	6		1.80	0.00	2.20	1.00		1.47		1.07	
41.706	107.899	1.33	2.21	1.56		51	6	-1	-4	6		1.95	0.00	2.25	1.15		1.48		.99	
41.692	107.975	1.26	1.74	1.03		51	5	-1	-4	6		2.10	.40	2.50	1.30		1.32		.94	

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WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 7

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.677	108.052	1.24	1.75	1.12		51	6	-2	-4	7		2.20	.70	2.50	1.45		1.37		1.02	
41.662	108.133	1.10	1.79	1.06		50	7	-1	-2	8		2.15	.60	2.90	1.60		1.07		.96	
41.650	108.214	1.14	1.67	.88		49	8	0	-1	9		2.00	.65	2.95	1.40		1.04		.95	
41.639	108.295	.90	1.63	1.12		49	8	0	-1	9		1.90	.55	3.20	1.10		.78		1.13	
41.629	108.376	.74	1.58	1.21		53	4	-4	-5	5		1.80	.70	3.20	1.30		.76		1.14	
41.620	108.454	.70	2.29	1.62		54	4	-4	-6	4		1.65	.70	3.20	1.30		.92		1.24	
41.614	108.533	1.17	1.84	1.48		57	1	-7	-9	1		1.90	.70	3.20	1.35		.75		1.28	
41.611	108.611	.84	1.48	1.28		59	-2	-9	-11	-2		1.90	.70	3.10	1.40		.81		1.38	
41.607	108.688	.97	1.49	1.38		63	-6	-13	-15	-6		1.90	.70	2.95	1.30		.99		1.40	
41.604	108.765	1.40	2.00	2.00		67 d	-10 d	-17 d	-19 d	-10 d		1.90	.70	3.20	1.30		.85		1.60	
41.600	108.841	.48	1.67	1.71		70	-13	-20	-22	-13		1.90	.70	3.20	1.30		.42		1.91	
41.587	108.888	-1.32	1.70	3.09		68	-10	-18	-20	-11		1.90	.70	3.20	1.30		-1.29		3.44	
41.586	108.987	-1.38	1.48	3.51		68	-10	-18	-20	-11		1.84	.70	3.20	1.30		-.97		3.21	
41.583	109.062	.71	1.64	1.28		74	-16	-24	-26	-17		1.75	.70	3.20	1.30		1.14		1.56	
41.579	109.139	1.88	2.26	1.25		74	-16	-24	-26	-17		1.60	.70	3.20	1.30		3.72		.83	
41.592	109.232	8.48 a	1.23	-5.83		75	-17	-25	-27	-18		1.60	.70	3.20	1.30		7.90		-4.41	
41.545	109.292	-1.26	1.44	3.37		73	-15	-23	-25	-16		1.70	.70	3.20	1.35		-.83		3.31	
41.538	109.362	-2.46	1.35	4.64		63	-4	-12	-14	-5		1.60	.70	3.20	1.85		-2.81		4.92	
41.567	109.441	.62	1.99	2.09		56	3	-5	-7	2		1.80	.70	3.20	1.90		.45		2.05	
41.581	109.516	1.23	2.06	2.09		55	4	-4	-6	3		2.20	.75	3.20	1.65		.82		1.59	
41.566	109.587	.14	2.19	2.30		55	5	-4	-6	3		2.25	.70	2.95	1.60		.21		1.72	
41.552	109.655	1.85	1.64	.90		53	7	-2	-3	5		2.52	.55	2.90	1.70		1.72		.42	
41.525	109.721	2.40	1.59	-.63		51	9	1	-1	7		2.66	.40	2.90	1.42		1.65		.19	
41.502	109.789	1.81	2.09	.85		49	12	4	2	8		2.45	.40	2.57	.60		1.27		.25	
41.513	109.868	5.16	1.67	-2.26		47	13	5	3	9		2.26	-.12	2.50	.32		2.72		-.89	
41.476	109.934	2.07	1.67	-2.68		47	13	5	4	9		2.20	-.10	2.50	.50		4.04		-1.93	
41.425	109.959		4.48	9.35 a		49	11	3	1	8		2.20	.40	2.90	.70		-9.58 a		9.31 a	
41.377	109.972	-.24	1.59	1.10		58	5	-5	-6	5		2.20	.40	2.50	1.90		.07		.96	
41.346	111.085																1.15		1.01	
41.325	111.195	1.09																	1.08	
41.302	111.303	1.18	1.45	.74		61	1	-8	-9	-1		2.44	.40	2.50	1.12		1.30		.64	
41.291	111.374	2.06	1.94	.70		61	2	-8	-9	-1		2.25	.40	2.50	1.15		1.61		.29	
41.281	111.447	1.43	1.47	.21		63	-0	-10	-11	-2		2.20	.40	2.50	1.30		1.31		.21	
41.271	111.521	1.26	1.55	.07		67	-4	-14	-15	-5		2.20	.40	2.50	1.30		1.50		.27	
41.262	111.597	1.37	1.66	.30		67	-4	-14	-14	-4		2.15	.40	2.50	1.50		1.44		.27	
41.253	111.670	1.34	1.98	.24		68	-4	-15	-15	-5		2.20	.40	2.50	1.60		1.08		.13	
41.241	111.750	.73	1.92	.46		71 d	-7 d	-18 d	-18 d	-8 d		2.20	.40	2.50	1.60		.85		.11	
41.225	111.833	1.22	1.60	.06		73	-9	-20	-20	-10		2.20	.40	2.50	1.60		1.27		-.03	
41.212	111.913	.66	1.65	.05		78	-14	-25	-25	-15		2.20	.40	2.50	1.60		.75		.01	
41.200	111.993	.96	1.62	-.36		79	-16	-26	-27	-17		2.20	.40	2.50	1.60		1.22		-.54	
41.165	112.048	.56	1.55	.92		76	-11	-21	-24	-13		2.20	.40	2.50	1.45		.39		.44	
41.100	112.061	1.13	1.43	.69		73	-7	-15	-19	-9		2.20	.58	2.38	1.00		1.20		.22	
41.039	112.021	1.77	1.47	.50		68	-2	-8	-12	-4		1.90	1.00	2.14	.04		1.24		.34	
40.999	111.961	1.83	1.58	1.10		63	3	-3	-7	3		1.38	.92	1.90	-.05		2.33		1.60	
40.933	111.950	2.09	2.18	2.75		58	9	2	-2	9		1.30	.70	1.75	.40		2.03		1.67	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 8

REFERENCE LAT DEG	REFERENCE LONG DEG	TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ	ATM NOISE dB	SNR dB M	SNR dB W	SNR dB X	SNR dB Y	SNR dB Z	ONI-7000#1 ECD uS M	ECD uS W	ECD uS X	ECD uS Y	ECD uS Z	TDL-711 TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ
40.772	112.002	-.60	1.32	-3.54		53	16	9	5	17		2.70	1.15	2.05	2.70		-.92		-3.41	
40.811	111.972	.93	1.30	-.83		53	15	8	5	17		2.90	1.00	2.05	3.20		1.39		-.86	
40.857	112.004	1.62	1.37	1.00		53	15	8	4	15		2.27	.92	2.05	2.12		1.87		.82	
40.888	112.067	1.67	1.43	.81		53	14	7	4	14		2.63	1.00	2.05	1.60		1.58		.53	
40.919	112.128	1.41	1.50	-.10		52	15	8	5	13		2.90	1.20	2.20	.85		1.51		.03	
40.920	112.196	1.62	2.05	.58		53	14	7	4	13		2.66	1.60	2.20	.36		1.25		.04	
40.907	112.277	1.17	1.47	.10		54	14	8	3	14		2.50	1.45	2.35	1.25		1.15		.16	
40.895	112.373	1.13	1.50	.47		54	14	8	3	13		2.50	1.55	2.30	1.60		1.08		.42	
40.882	112.476	1.02	1.49	1.25		54	14	9	4	12		2.63	1.60	2.25	1.60		.88		1.14	
40.874	112.576	1.06	1.52	.49		54	14	9	4	12		2.90	1.60	2.50	1.65		1.21		.36	
40.866	112.672	.95	1.54	.83		54	14	9	3	15		2.90	1.60	2.50	2.35		.90		.69	
40.851	112.753	1.18	1.55	.86		54	15	10	5	15		3.05	1.65	2.70	2.70		1.01		.73	
40.842	112.827	.90	1.57	.93		54	15	9	5	13		2.90	1.50	2.50	2.33		.86		.87	
40.828	112.904	.96	1.94	.74		55	14	9	4	11		2.90	1.60	2.50	1.30		.91		.33	
40.812	112.979	.92	1.56	.05		55	14	10	4	11		2.95	1.80	2.50	1.50		.73		-.13	
40.798	113.057	.66	1.57	.01		53	16	12	6	15		2.90	1.90	2.50	1.90		.64		.04	
40.782	113.144	.02	1.57	.49		57	13	9	2	12		2.90	2.10	2.25	2.10		.09		.68	
40.769	113.235	-.12	1.55	.45		57	13	9	2	12		3.05	2.05	2.20	2.05		-.21		.47	
40.763	113.326	.37	1.56	-.03		58	12	9	1	11		3.00	1.95	2.20	1.60		.20		-.08	
40.759	113.418	.29	1.56	-.29		57	13	10	2	13		2.90	2.20	2.20	2.25		.26		-.22	
40.754	113.510	.45	1.57	-.29		58	13	10	2	12		2.90	2.00	2.20	2.25		.32		-.39	
40.748	113.603	.37	2.03	-.06		57	13	9	3	11		2.90	2.16	2.07	2.03		.37		-.25	
40.737	113.726	.11	1.57	.25		56	14	10	4	11		2.57	2.00	2.10	1.70		-.06		.33	
40.742	113.849	.06	1.58	-.14		57	13	10	3	9		2.60	1.90	2.12	1.38		-.04		.08	
40.745	113.941	.08	1.53	.54		57	13	10	3	10		2.15	2.00	2.10	1.35		-.06		.45	
40.747	114.033	.28	1.52	.53		57	13	10	3	10		1.90	2.24	2.20	1.69		.07		.26	
40.750	114.140	.33	1.43	.05		58	12	9	2	8		2.05	1.90	2.20	1.30		.26		.07	
40.752	114.218	-.14	1.36	-.22		59	13	8	2	6		2.63	1.90	2.20	1.35		-.19		-.16	
40.755	114.325	.20	1.70	.44		59	13	9	2	5		2.90	2.00	1.90	1.05		-.34		.26	
40.759	114.419	.61	1.29	.44		58	15	9	3	9		2.95	1.95	1.80	1.55		.35		.36	
40.762	114.497	1.20	1.35	.68		59	14	8	2	9		2.95	1.90	1.60	1.70		1.08		.60	
40.761	114.593	1.07	1.44	.81		60	13	8	1	7		2.90	2.15	1.80	1.80		.93		.64	
40.759	114.703	1.10	1.48	.26		59	14	8	2	6		2.63	1.80	1.60	1.20		.91		.09	
40.759	114.799	.71	1.45	-.17		60	13	7	1	4		2.46	1.60	1.69	.31		.54		-.07	
40.750	114.909	-2.21	1.20	2.23		60	12	7	1	5		2.00	1.60	1.60	.45		-2.41		2.45	
40.748	115.003	-6.49	.91	3.72		58	14	9	3	8		1.95	1.60	1.60	1.00		-5.51		3.69	
40.743	115.099	-7.60	.62	4.60		58	14	10	3	9		2.15	1.50	1.45	1.35		-7.90		4.32	
40.747	115.193	-5.40	.76	3.97		58	15	11	4	9		1.99	2.11	1.56	1.56		-5.84		3.81	
40.752	115.303	-3.61	1.08	3.06		59	16	10	6	7		2.50	1.95	2.30	1.30		-3.79		2.86	
40.752	115.397	-4.29	1.13	2.99		62	16	8	4	4		2.90	1.90	2.57	1.10		-4.51		2.86	
40.742	115.889	-.29	.92	1.93		63	16	6	3	2		2.95	2.05	2.45	.45		-.47		1.82	
40.724	115.996	-1.36	.76	2.46		64	15	5	2	1		3.10	1.70	2.20	.45		-1.30		2.65	
40.710	116.088	-1.80	1.14	3.26		63	17	6	3	2		3.20	1.65	2.25	.75		-1.90		2.98	
40.693	116.180	-2.84	.59	3.17		64	16	5	3	1		3.20	1.90	2.50	.90		-2.78		3.33	
40.673	116.270	-3.28	.47	3.78		64	16	6	3	1		3.10	2.25	2.50	.85		-3.60		3.77	
40.653	116.361	-2.96	.99	3.81		64	16	6	3	1		2.90	2.50	2.50	.50		-3.19		3.64	
40.632	116.452	-2.34	.61	3.61		64	16	5	3	1		2.90	2.40	2.63	.95		-2.59		3.52	
40.617	116.545	-2.16	.74	3.35		65	15	4	3	1		2.90	1.90	2.90	.70		-2.14		2.73	
40.599	116.669	.80	1.08	2.83		65	16	3	4	1		2.90	1.60	2.90	1.30		-1.81		2.86	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 8

REFERENCE												ONI-7000#1								TDL-711	
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
40.588	116.828	4.83	2.08	-.64		65	17	4	4	1		3.20	1.65	2.90	1.40		4.69		-1.10	
40.570	116.918	2.33	2.52	.57		66	17	4	3	0		3.20	1.95	2.90	1.30		1.98		1.08	
40.548	117.023	2.15	1.73	2.36		67	16	3	3	-1		3.05	2.35	2.90	.70		1.94		2.18	
40.531	117.098	2.50	1.91	1.64		68	16	3	3	-1		2.90	2.12	2.90	.85		2.16		1.74	
40.513	117.206	2.25	1.91	1.61		67	16	2	3	0		2.90	1.45	2.90	1.68		2.08		1.59	
40.501	117.301	3.29	2.82	1.47		66	17	3	3	1		2.60	1.53	2.70	1.60		2.65		1.20	
40.488	117.359	2.26	2.16	-.26		65	18	4	4	2		2.50	1.90	2.50	1.45					
40.456	117.497	2.62	1.89	1.63		65	20	4	5	1		2.63	2.05	2.50	1.30		2.41		1.42	
40.430	117.586	2.49	1.85	1.65		65	21	4	5	2		2.83	1.80	2.50	1.30		2.21		1.65	
40.404	117.674	2.25	1.85	1.64		65	21	5	6	1		2.90	2.05	2.63	1.20		2.01		1.57	
40.377	117.762	2.16	2.05	1.74		65	22	5	7	0		3.00	2.20	2.90	.60		2.17		1.96	
40.350	117.851	2.76	2.61	2.00		64	23	5	7	2		2.90	2.35	2.57	.80		2.53		1.81	
40.323	117.939	2.23	2.49	2.24		64	24	5	7	3		2.90	1.90	2.50	1.45		2.00		1.96	
40.291	118.041	1.84	1.83	1.91		64	24	6	8	3		2.90	1.99	2.67	1.69		1.99		2.02	
40.264	118.129	2.46	1.77	2.41		64	26	5	9	3		2.90	1.80	2.70	1.70		2.10		2.08	
40.235	118.232	1.95	2.03	1.53		64	27	4	9	4		3.10	1.40	2.57	1.90		1.79		1.45	
40.209	118.320	1.66	2.18	1.35		63	28	7	10	3		2.90	1.75	2.50	1.70		1.99		1.72	
40.182	118.411	1.82	2.13	1.85		63	29	7	10	4		2.95	1.90	2.50	1.55		1.75		1.90	
40.155	118.498	2.31	2.84	1.99		63	30	6	10	3		3.00	2.20	2.57	1.10		2.00		1.48	
40.124	118.584	1.45	3.10	1.69		63	30	6	11	2		3.12	2.05	2.50	1.00		1.55		1.67	
40.089	118.666	2.54	1.64	2.35		63	31	6	11	3		2.90	2.14	2.90	.94		2.07		2.35	
40.045	118.746	1.15	.97	2.28		63	32	7	12	3		3.08	2.20	3.02	1.06		1.14		2.47	
40.003	118.828	1.12	1.00	2.40		64	32	6	12	4		3.05	2.05	2.90	1.00		.97		2.31	
39.956	118.905	.43	.73	2.15		64	33	5	11	3		3.00	2.00	2.83	1.20		.64		2.19	
39.909	118.982	1.29	.85	2.20		63	34	6	12	4		3.20	1.90	2.50	1.25		1.05		2.20	
39.861	119.059	1.04	.64	2.25		63	35	5	12	4		3.20	1.90	2.50	1.47		.79		2.07	
39.803	119.149	1.67	.97	2.06		63	35	4	12	4		3.40	1.80	2.50	1.45		1.51	1.33		
39.752	119.225	2.00	.75	2.15		63	35	5	12	4		3.50	1.85	2.30	1.30		1.74	.92		
39.707	119.305	1.91	.58	2.16		62	35	6	13	5		3.55	1.80	2.35	1.55		1.17	10.17 a		
39.668	119.391	1.89	1.20	2.74		62	34	5	14	5		3.37	1.64	2.29	1.90					
39.620	119.491	2.48	1.10	2.26		62	33	7	15	4		3.20	2.25	2.10	1.65					
39.580	119.575	1.76	.83	2.19		62	32	6	15	3		2.95	1.95	1.90	1.10					
39.538	119.658	1.91	.92	1.91		62	31	6	15	3		2.90	1.85	2.20	1.00					
39.515	119.749	2.14	1.33	1.78		62	30	5	15	3		3.15	1.60	2.20	1.40					
39.504	119.845	1.56	.87	2.02		61	30	6	16	2		3.20	1.60	2.50	1.45					
39.495	119.941	1.21	.62	2.25		61	29	6	17	3		3.10	2.05	2.30	1.25					
39.476	120.036	1.57	1.03	2.33		62	28	5	17	3		3.20	2.24	2.46	1.26					
39.456	120.130	1.71	1.18	2.69		62	26	4	17	2		3.20	1.75	2.50	1.30					
39.437	120.223	1.48	.75	2.53		63	25	3	17	2		3.10	1.55	2.50	1.40					
39.418	120.332	1.45	.82	2.36		63	24	4	17	1		3.20	1.65	2.50	1.60					
39.400	120.425	2.20	.11	1.48		63	23	5	17	1		3.20	2.10	2.35	2.10					
39.382	120.515	1.83	-.98	1.38		63	21	3	18	-1		3.07	2.20	2.20	1.69					
39.361	120.623	2.11	-1.17	1.39		63	20	1	19	-3		2.50	1.80	2.35	1.30					
39.343	120.716	2.11	-.63	1.74		63	19	-0	21	-5		2.35	1.40	2.45	.90					
39.325	120.809	2.09	-.72	2.01		62	18	-1	22	-8		2.20	1.20	2.77	-.02					
39.306	120.901	1.89	-1.01	1.65		62	17	-1	23	-9		2.15	.95	2.83	-1.05					
39.288	120.993	1.94	-.51	1.52		62	16	0	24	-10		1.90	1.20	2.90	-1.25					
39.270	121.084	1.93	-.91	1.51		61	17	0	25	-9		2.00	1.30	2.90	-1.50					
39.251	121.176	1.52	-1.23	1.66		61	17	-0	26	-9		2.05	1.00	2.90	-1.25					

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 8

REFERENCE												ONI-7000#1									TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
39.236	121.254	1.66	-1.34	1.69		61	16	-1	27	-9		2.20	.85	2.95	-1.40					
39.215	121.360	1.68	-1.13	1.80		61	17	-1	28	-9		2.20	.65	3.20	-1.45					
39.196	121.452	1.77	-1.48	1.60		60	16	-1	29	-8		2.20	.61	3.20	-1.37					
39.175	121.559	1.95	-1.01	1.39		60	16	0	30	-8		2.10	.90	3.20	-1.20					
39.156	121.648	2.18	-.81	1.19		60	16	1	31	-8		1.90	1.00	3.40	-1.20					
39.136	121.740	1.94	-.75	1.20		61	14	1	31	-8		1.90	1.25	3.50	-1.00					
39.115	121.830	2.00	-.47	1.33		61	14	1	32	-8		1.90	1.35	3.50	-.65					
39.092	121.916	1.97	-.06	1.53		62	13	0	32	-9		1.90	1.36	3.56	-.60					
39.072	121.998	1.96	.08	1.49		62	13	-0	32	-9		1.90	1.30	3.50	-.60					
39.013	122.047	1.47	.92	2.35		62	13	-1	33	-10		1.70	1.60	3.45	-.75					
38.930	122.058	1.59	-.37	1.22		63	12	-1	33	-11		2.05	1.60	3.50	-.85					
38.849	122.085	1.52	-.18	1.21		63	12	-1	34	-11		2.35	1.65	3.20	-.70					
38.767	122.110	1.64	.18	1.21		64	11	-2	34	-11		2.50	1.60	3.30	-.60					
38.698	122.127	1.51	-.10	1.64		64	11	-2	34	-11		2.50	1.55	3.50	-.60					
38.600	122.149	1.54	.16	1.43		64	10	-3	34	-10		2.46	1.00	3.50	-.60					
38.503	122.171	1.51	-.09	1.41		64	10	-3	34	-9		2.20	1.05	3.50	-.60					
38.419	122.190	1.34	-.18	1.94		64	10	-4	32	-8		2.25	1.05	3.40	-.25					
38.335	122.206	1.54	-.17	2.06		64	10	-4	30	-8		2.45	1.00	3.00	-.45					
38.248	122.204	1.50	-.38	1.58		63	10	-3	29	-7		1.95	1.00	2.70	-.40		1.11		-1.60	
38.159	122.198	1.60	-.22	1.50		63	10	-3	28	-7		2.16	1.21	2.50	-.17		1.17		1.86	
38.056	122.185	1.58	-.55	1.23		63	10	-3	27	-6		2.20	1.30	2.50	0.00		1.23		1.54	
37.968	122.185	1.23	-.65	1.93		63	10	-3	26	-7		2.45	1.30	2.50	0.00		1.20		1.74	
37.880	122.186	1.54	-.74	1.85		63	10	-3	26	-5		2.50	1.30	2.50	.08		1.29		1.53	
37.792	122.193	1.30	-.84	1.36		62	11	-2	26	-3		2.50	1.13	2.50	.57		1.13		1.53	
37.690	122.180	.89	-1.17	1.85		62	10	-2	25	-3		2.10	1.15	2.63	.27		.86		1.90	
37.690	122.060	.66	-1.68	1.27		61	11	-2	24	-3		1.90	.80	1.95	.42		.98		.92	
37.727	121.958	.44	-1.48	1.95		61	12	-2	25	-2		1.90	.75	2.25	.70		.35		1.34	
37.737	121.842	.34	-1.93	1.67		62	11	-3	25	-3		2.20	1.35	2.98	.45		.07		1.43	
37.745	121.748	.86	-1.22	.86		62	12	-3	24	-3		2.50	1.25	2.68	.75		.57		.99	
37.763	121.613	.74	-1.46	1.20		61	13	-2	25	-2		2.35	1.00	2.90	.75		.52		1.24	
37.776	121.498	.70	-1.59	1.71		61	13	-2	26	-3		2.20	1.00	3.20	.40		.49		1.27	
37.790	121.382	.68	-1.95	1.21		60	14	-1	26	-2		2.40	1.20	3.45	.40		.42		1.25	
37.807	121.268	.38	-2.82	1.07		62	13	-2	25	-4		2.35	1.30	3.20	.40		.33		1.15	
37.827	121.156	.56	-2.94	1.59		61	12	-1	24	-4		1.94	1.30	3.20	-.09		.16		1.07	
37.840	121.022	.67	-2.94	1.13		63	10	-4	22	-6		1.90	1.51	3.29	-.30		.35		1.19	
37.851	120.907	.95	-2.63	1.00		62	12	-5	23	-5		1.95	1.10	3.40	-.30		.69		1.17	
37.859	120.772	.86	-2.95	1.57		63	11	-6	22	-6		2.00	.55	3.35	-.30		.93		1.30	
37.868	120.676	1.50	-1.92	1.89		63	11	-7	21	-7		1.90	.40	3.20	-.30		1.10		1.60	
37.881	120.545	1.43	-1.18	1.82		63	12	-7	21	-8		1.90	.45	3.20	-.55		1.11		1.62	
37.888	120.431	1.37	-1.36	1.61		61	14	-5	21	-7		1.90	.53	3.20	-.69		1.10		1.65	
37.896	120.316	1.14	-2.21	1.54		61	16	-7	22	-7		2.00	.27	3.10	-.70		1.21		1.53	
37.905	120.182	1.33	-1.38	1.48		60	16	-6	22	-7		2.07	-.26	2.90	-.81		1.16		1.52	
37.914	120.047	1.48	-2.14	2.21		59	17	-4	22	-5		1.95	-.05	2.70	-.90		1.19		1.34	
37.922	119.931	1.45	-1.44	1.04		57	19	-2	22	-3		1.75	-.15	2.50	-.90		1.41		1.17	
37.929	119.816	1.48	-1.77	1.67		56	20	-0	22	-3		1.90	.20	2.45	-1.05		1.35		1.73	
37.938	119.700	1.32	-1.52	1.29		56	22	0	21	-2		2.15	.90	2.45	-1.50		1.14		1.35	
37.946	119.584	1.34	-2.62	1.37		55	22	1	19	1		1.81	.74	2.37	-1.29		1.41		.99	
37.954	119.448	1.64	-1.20	1.72		55	24	3	17	5		1.85	.80	2.00	-.80		1.40		1.78	
37.960	119.331	2.04	-.99	1.67		55	24	3	15	7		2.15	1.10	1.35	-.55		1.92		1.77	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 8

REFERENCE						ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
37.946	119.233	1.98	.44	2.67		54	27	6	15	10		2.63	1.30	1.10	-.25		1.77		2.21	
37.946	119.104	1.88	-.01	.88		54	28	8	14	9		2.95	1.60	1.00	-.25		1.70		1.02	
37.942	118.988	1.97	1.00	1.41		54	29	9	12	11		3.11	1.64	.96	.03		1.83		1.33	
37.939	118.876	1.64	1.41	.34		54	28	8	14	12		3.12	1.90	.92	.40		1.50		.43	
37.938	118.740	1.77	.60	.53		54	29	8	16	12		3.05	1.45	1.25	.45		1.60		.62	
37.945	118.628	1.82	.70	.93		55	27	7	15	12		2.63	1.60	1.55	.60		1.78		.64	
37.951	118.512	1.75	1.53	1.91		56	26	7	14	11		2.80	1.70	1.55	.40			1.43	1.31	
37.958	118.398	1.91	1.35	.43		56	27	7	15	14		3.20	2.07	1.81	.79			1.01	.74	
37.964	118.323		.28	2.36		56	27	6	14	17		2.90	1.90	1.90	1.90					
38.009	117.712	2.04	1.40	1.93		60	22	3	10	13		3.20	1.90	2.20	1.53			1.47	1.42	
38.015	117.597	2.16	1.60	1.93		61	22	2	9	13		2.95	1.90	2.40	1.75			1.67	1.85	
38.021	117.481	2.13	1.85	2.50		60	21	1	9	14		2.90	1.35	2.25	1.80			1.87	2.36	
38.025	117.365	2.25	2.05	2.87		60	22	3	8	14		3.15	1.70	2.05	1.75			2.07	2.99	
38.030	117.249	2.20	1.96	2.72		59	23	4	8	15		3.20	2.05	1.90	1.90			1.88	2.66	
38.029	117.133	2.62	1.72	3.01		60	22	3	7	14		3.20	2.20	1.90	1.60			1.74	2.57	
38.029	117.018	2.48	1.53	1.74		60	21	2	7	14		3.12	1.97	1.90	1.60		2.01	1.42	1.95	
38.234	115.041	1.82	1.09	-1.37		52	21	9	9	24		2.44	1.66	2.20	1.72		1.81		-1.17	
38.236	114.930	1.51	1.18	-.99		54	19	6	8	23		2.50	1.65	2.35	1.85		1.49		-.97	
38.234	114.794	1.21	1.18	.45		57	15	2	5	21		2.50	1.30	2.50	1.70		1.06		.78	
38.236	114.674	.84	1.18	1.37		57	14	2	5	20		2.50	1.21	2.50	1.90		.85		1.41	
38.241	114.533	1.79	.95	1.89		57	15	2	4	20		2.50	1.20	2.20	1.95		1.37		1.39	
38.244	114.474	.92	.98	-.04		57	15	2	5	22		2.50	1.15	2.20	2.20		.90		-.70	
38.254	114.297	.49	1.20	.03		57	15	2	4	20		2.50	1.10	2.20	2.00		.46		.59	
38.265	114.175	.68	1.08	.62		56	16	4	5	22		2.90	1.35	2.40	2.10		.67		.49	
38.277	114.054	1.81	.91	-.60		54	17	4	6	24		2.70	1.65	2.50	2.10		1.61		-.66	
38.292	113.936	2.56	.74	-1.70		56	15	2	4	22		2.50	1.30	2.20	2.10		2.47		-1.75	
38.311	113.807	1.74	.95	-1.14		58	12	-1	1	20		2.50	1.00	1.90	2.50		1.64		-1.34	
38.322	113.697	1.25	.91	-1.11		59	11	-1	-0	19		2.35	1.20	2.10	2.50		1.25		-1.09	
38.333	113.586	1.67	.79	-1.62		57	12	1	1	20		2.50	1.09	1.99	2.24		1.58		-1.70	
38.346	113.455	1.36	.67	-1.66		56	13	2	2	22		2.50	1.20	1.90	1.90		1.29		-1.82	
38.348	113.340	.98	.53	-1.47		54	14	4	3	23		2.50	1.10	2.05	1.90		.80		-1.66	
38.350	113.224	1.04	.70	-1.34		51	16	7	5	26		2.20	1.30	2.05	1.90		.83		-1.52	
38.354	113.108	1.19	.85	-1.20		52	16	5	5	25		2.25	.95	2.20	2.25		1.14		-1.05	
38.361	113.011	.82	.95	-.86		55	13	3	2	22		2.40	1.00	2.25	2.15		.80		-.84	
38.366	112.879	.64	1.06	-.61		54	13	5	2	21		2.50	1.25	2.40	1.70		.68		-.62	
38.368	112.766	.55	.97	-.75		55	11	6	2	21		2.11	1.81	2.37	1.99		.60		-.65	
38.371	112.640	.76	.85	-.93		55	11	5	2	20		2.00	1.50	2.30	2.00		.51		-1.04	
38.373	112.533	.10	.83	-1.01		53	12	7	2	21		1.90	1.70	2.35	1.60		-.01		-1.09	
38.374	112.424	-.54	.94	-1.23		53	13	8	2	21		1.95	1.65	2.20	1.65		-.62		-1.21	
38.374	112.311	-.46	.97	-.35		53	13	7	3	23		2.20	1.47	2.03	2.07		-.68		-.43	
38.381	112.251	-.26	1.01	-1.14		53	12	6	2	21		2.20	1.30	2.20	2.50					
38.391	112.041	-1.09	1.30	-1.07		51	12	9	2	22		1.90	1.70	1.60	1.90		-1.06		-1.31	
38.397	111.930	-.48	1.38	-1.02		51	13	9	3	21		1.90	1.66	1.96	1.66		-.77		-1.13	
38.403	111.819	-.36	1.42	-1.11		53	10	6	0	19		1.95	1.50	2.05	1.45		-.75		-1.14	
38.409	111.707	-.62	1.42	-.85		52	11	7	1	20		1.90	1.50	1.90	1.75		-.76		-.90	
38.431	111.166	-1.02	1.28	-.34		51	11	8	1	19		1.90	1.75	1.60	1.07		-1.25		-.37	
38.431	111.056	-.80	1.26	-.17		51	10	6	-1	18		2.00	1.35	1.50	1.00		-.96		-.22	
38.430	110.948	-.78	1.33	-.09		52	10	5	-2	17		2.25	1.20	1.50	1.15		-.80		-.18	
38.425	110.846	-.23	1.34	.07		52	10	4	-2	17		2.20	1.10	1.35	1.30		-.49		-.09	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 8

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.421	110.745	-.16	1.25	-.13		52	9	3	-2	17		2.35	1.05	1.30	1.40		-.28		-.13	
38.448	110.653	.17	1.31	-.34		53	9	2	-3	17		2.35	.95	1.40	1.85		.18		-.35	
38.466	110.555	.45	1.08	-.35		51	10	3	-1	18		2.50	1.21	1.90	1.73		.34		-.45	
38.493	110.437	.47	1.45	-.30		50	11	3	-0	19		2.30	.95	1.65	1.90		.52		-.35	
38.523	110.334	1.00	1.58	-.29		51	10	2	-1	18		2.00	1.15	2.00	1.80		.69		-.25	
38.555	110.229	.76	1.59	-.19		52	8	1	-2	17		1.90	1.10	1.95	1.55		.67		-.16	
38.596	110.128	.61	1.68	-.19		51	10	3	-1	18		1.90	.60	1.80	1.60		.45		-.25	
38.631	110.044	.29	1.74	-.26		50	10	2	-1	18		2.14	.10	1.60	1.48		.36		-.32	
38.676	109.949	-.21	1.75	-.03		50	10	2	-1	17		2.10	0.00	1.40	1.25		-.18		-.04	
38.722	109.834	-.22	1.55	.55		49	10	3	0	17		2.20	.40	1.95	1.00		-.03		.42	
38.753	109.752	-.25	1.61	.84		50	10	1	-1	16		2.40	.40	2.00	1.00		.70		.77	
38.808	109.598	2.93	1.51	-.24		50	11	0	-0	16		2.50	.13	2.50	1.10		1.84		-.32	
38.957	109.232	6.78 a	.43	-9.55 a		49	10	-1	-2	15		1.90	.32	1.36	.70		6.87 a		-9.52 a	
38.981	109.186	6.80↓	.27	-9.78 ↓		50	9	-1	-3	14		1.90	.40	1.30	.70		7.60 ↓		-10.51 ↓	
39.211	109.025	.55	1.31	-1.14		70 d	-11 d	-22 d	-23 d	-5		3.12	.27	1.90	1.68			1.24	-1.22	
39.260	108.955	.78	1.45	-1.37		61	-2	-12	-14	5		2.47	.23	1.73	1.60		.82	1.50	-1.45	
39.284	108.859	.64	1.56	-1.25		53	5	-5	-6	12		2.42	.40	2.05	1.30		.88		-1.44	
39.265	108.778	.79	1.82	-1.18		51	7	-2	-4	13		2.14	.40	2.20	.76		1.08		-1.20	
39.235	108.730	1.21	1.52	-.97		50	9	-1	-3	14		2.10	.80	2.50	.65		1.32		-1.06	
39.198	108.700	1.20	1.54	-1.12		49	9	-1	-3	14		2.24	.87	2.07	.83		1.35		-1.12	
39.218	108.771	1.13	2.15	-.72		50	9	-2	-4	13		2.50	.80	1.90	1.15		1.35		-1.32	
39.252	108.761	1.30	1.37	-1.31		49	8	-2	-4	14		2.50	.60	1.75	1.35		1.38		-1.19	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 9

REFERENCE						ONI-7000#1												TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
39.103	108.674	.74	1.76	-.34		53	5	-5	-8	9		2.77	-1.65	.90	1.15					
39.081	108.722	.82	1.24	-.88		54	4	-6	-8	9		2.58	-1.50	1.30	1.24					
39.110	108.798	.46	1.41	-.62		54	4	-6	-9	9		2.70	-1.58	1.22	.85					
39.018	108.854	.59	1.03			54	4	-6	-7			2.90	-2.65	.85						
38.991	108.789	1.19	.94			53	5	-6	-7			2.90	-2.37	.95						
39.019	108.723	.91	1.23			53	5	-5	-7			2.63	-2.05	.90				1.25	-.73	
39.066	108.710	.93	1.31	-.71		53	5	-5	-7	11		2.48	-1.30	1.15	.82					
39.107	108.740	.46	1.40	-.76		52	5	-5	-7	10		2.25	-.85	1.45	.75					
39.092	108.799	.72	1.30	-.59		51	6	-4	-6	11		2.63	-1.05	1.40	.40			1.20	-.59	
39.029	108.759	.96	1.39	-.56		52	6	-4	-6	10		2.82	-1.26	1.18	1.42			1.11	-.53	
39.007	108.652	.64	1.29	-.30		51	7	-3	-5	11		2.57	-1.25	1.25	1.30			1.15	-.38	
38.972	108.543	.82	1.16	-.34		51	6	-4	-6	10		2.50	-.65	1.70	.75		1.13	1.16	-.29	
38.936	108.436	.62	1.20	.12		52	4	-5	-7	8		2.30	.33	1.35	.85		.83		.02	
38.899	108.328	.74	1.18	-.33		50	5	-3	-6	10		2.00	.63	1.10	1.00		.86		-.28	
38.869	108.237	1.04	.94	-.45		51	4	-4	-7	9		2.05	1.15	1.00	.70		1.30		-.50	
38.821	108.090	1.41	1.10	-.78		51	4	-4	-7	8		2.20	1.30	.94	.40		1.81		-.85	
38.781	107.984	1.11	1.41	-.22		50	5	-4	-6	9		2.00	1.10	.60	.13		1.32		-.26	
38.747	107.873	1.45	1.46	-.16		48	6	-2	-4	11		1.85	2.10	1.40	.38		1.62		-.26	
38.711	107.766	1.57	1.47	-.10		48	6	-2	-4	11		1.68	2.50	1.45	.55		1.59		-.11	
38.674	107.658	1.51	1.48	-.38		49	5	-3	-5	10		1.90	3.50	1.66	.24		1.63		-.34	
38.636	107.550	1.26	1.49	-.24		49	5	-3	-5	10		2.05	3.95	2.10	.27		1.43		-.15	
38.597	107.442	.88	1.65	.05		49	6	-2	-5	10		1.90	4.40	2.20	.65		1.00		.11	
38.560	107.334	.80	1.72	.11		48	6	-3	-4	11		1.80	4.40	2.63	.55		1.02		.21	
38.521	107.226		1.75	.14		47	6	-4	-4	11		1.60	4.10	2.63	.07		.63		.25	
38.483	107.118		1.84	.18		44	8		-2	14		2.00		2.50	0.00		.70		.13	
38.307	105.490	11.20 a	1.57	-.74		43	8		-2	11		1.60		3.50	-.30				-.75	
38.369	105.973	11.21 ↓	1.62	-.88		41	8	4	-2	12		1.00	3.05	3.50	.27		1.28		-.96	
38.364	105.896			-1.00		41	8		-2	13		1.90		3.80	0.00		1.18		-1.00	
38.349	105.430		1.63	-1.66		41	5		-4	11		.50		3.70	.23		1.03		-1.85	
38.343	105.464		1.56	-.47		41	5		-4	11		.40		3.65	-.30		-.47		-.63	
38.340	105.328	20.04 a	1.41	-.93		43	4	7	-6	9		1.36	-.17	3.50	-.12		-.03		-1.13	
38.336	105.213	20.04 ↓	1.43	-1.09		42	4	8	-5	10		1.18	-.72	3.32	.08		.03		-1.31	
38.329	105.043		1.42	-1.08		44	1		-8	6		1.35		3.20	-.75		-.15		-1.28	
38.323	104.929		1.32	-.97		43	2		-7	7		1.40		3.20	-1.25		-.20		-1.21	
38.319	104.811		1.26	-.98		43	3		-7	8		1.25		3.20	-.95		.05		-1.24	
38.310	104.694		1.30	-.98		43	2		-7	7		1.55		3.20	-.30		.25		-1.06	
38.301	104.578		1.40	-.84		44	1		-8	6		1.80		3.15	-.05		.27		-1.02	
38.292	104.463		1.24	-1.05		44	1		-8	6		1.70		3.25	-.25		.20		-1.29	
38.285	104.352		1.26	-1.05		44	1		-8	6		1.55		3.50	-.65		.05		-1.30	
38.282	104.231		1.26	-1.09		43	2		-7	7		1.90		3.50	-.78		-.06		-1.17	
38.279	104.117		1.23	-.98		43	1		-7	7		2.05		3.50	-.95		-.32		-1.18	
38.276	104.001		1.09	-1.00		43	1		-7	7		2.25		3.50	-1.00		-.59		-1.13	
38.270	103.886	19.39 a	1.12	-.85		43	2		-7	7		2.63		3.50	-.40		-.62		-1.12	
38.264	103.768	19.55	1.85	-1.01		44	1	6	-12	6		2.77	-1.50	3.50	-.55		-.36		-1.11	
38.259	103.656	19.83	1.11	-1.16		44	1	6	-14	7		2.90	-1.20	3.50	-.40		-.22		-1.39	
38.252	103.541	19.65	1.16	-1.31		45	0	5	-13	6		2.95	-1.45	3.60	-.35		-.23		-1.57	
38.244	103.426	19.47 ↓	1.21	-1.47		45	-1	6	-12	6		3.00	-1.32	3.80	-.50		-.45		-1.61	
38.237	103.314		1.18	-1.55		45	-1		-12	7		2.90		3.80	-.50		-.58		-1.74	
38.227	103.201		.90	-1.52		45	-1		-12	6		3.15		3.80	-.25		-.51		-1.79	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 9

REFERENCE LAT DEG	REFERENCE LONG DEG	TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ	ATM NOISE dB	SNR dB M	SNR dB W	SNR dB X	SNR dB Y	SNR dB Z	ECD uS M	ECD uS W	ECD uS X	ECD uS Y	ECD uS Z	TDL-711 TD BIAS uS MW	TDL-711 TD BIAS uS MX	TDL-711 TD BIAS uS MY	TDL-711 TD BIAS uS MZ
									ONI-7000#1											
38.219	103.086		1.02	-1.62		45	-1		-12	6		3.00		3.80	-.18		-.51		-1.66	
38.209	102.970		1.03	-1.46		46	-2		-12	5		2.90		3.80	.10		-.52		-1.53	
38.198	102.856		1.01	-1.30		45	-2		-11	6		3.10		4.00	.08		-.63		-1.42	
38.188	102.745		1.07	-1.41		45	-2		-11	8		3.00		4.10	-.13		-.71		-1.58	
38.179	102.631		.93	-1.69		44	-1		-10	8		3.20		4.10	.33		-.49		-1.78	
38.170	102.514		1.01	-1.80		45	-2		-12	8		3.35		4.10	-.05		-.39		-1.95	
38.154	102.404		.89	-1.79		45	-2		-12	7		3.20		4.10	.65		-.52		-1.97	
38.134	102.289		.95	-1.83		45	-2		-12	7		3.40		4.10	.25		-.59		-1.96	
38.116	102.175		1.04	-1.84		45	-2		-12	7		3.50		4.10	-.04		-.53		-1.95	
38.099	102.060		1.12	-1.87		44	-2		-11	7		3.45		4.10	.33		-.48		-2.02	
38.076	101.928		1.05	-1.83		45	-3		-12	5		3.33		4.10	-.20		-.70		-1.83	
38.059	101.814		.95	-1.63		45	-3		-13	5		3.50		4.10	-1.05		-.80		-1.77	
38.041	101.680	19.08	a 1.15	-1.65		45	-3	4	-13	5		3.40	1.00	4.10	-.45		-.80		-1.91	
38.021	101.567	18.85		-1.76		45	-4	3		5		3.20	1.17		.03		-.74		-1.79	
37.996	101.433	18.95		-1.83		45	-4	3		5		3.30	1.30		.40		-.86		-2.04	
37.973	101.321	19.00		-1.94		45	-4	4		6		3.40	1.50		-.13		-.72		-2.09	
37.958	101.202	18.97		-2.10		45	-4	3		5		3.24	1.60		-.43		-.53		-2.14	
37.944	101.069	19.03		-2.29		46	-5	3		5		3.50	1.55		-.35		-.36		-2.21	
37.935	100.957	18.97		-2.32		46	-6	2		4		3.45	1.80		.27		-.38		-2.17	
37.927	100.863			-2.27		46	-6			5		3.40			.15		-.65		-2.07	
37.920	100.751			-2.07		45	-5			5		3.50			-.05		-.45		-1.96	
37.908	100.623			-1.83		45	-6			4		3.45			.27		-.61		-1.95	
37.897	100.511			-1.86		46	-7			4		3.50			.08		-.70		-2.00	
37.886	100.392			-1.82		46	-7			3		3.50			-.15		-.75		-2.14	
37.877	100.302			-1.84		46	-7			3		3.50			.40					
37.867	100.188			-1.97		46	-7			3		3.56			.64					
37.854	100.055			-2.00		47	-8			2		3.70			.95					
37.854	99.943					47				2					.55					
37.859	99.833					47		1		1			1.00		.55					
37.864	99.724					46		2		2			1.95		.42					
37.867	99.615					46		2		2			2.20		.33					
37.869	99.522					47		1		1			2.00		.70					
37.875	99.394					47		1		1			1.90		.13					
37.887	99.288					47		1		-0			1.70		.45					
37.898	99.183					47		1		0			1.30		.40					
37.907	99.075					47		0		-0			.90		.80					
37.917	98.966					48		-1		-1			.65		.95					
37.926	98.859					48		-1		-2			-.03		1.10					
37.937	98.751					48				-2			-.30		1.05					
37.946	98.641					48				-2					1.00					
37.956	98.513					49				-3					1.00					
37.965	98.404					49				-2					1.13					
37.977	98.276					49				-3					1.15					
37.991	98.152					48				-4					1.30					
37.994	98.042					49				-5					1.40					
37.998	97.950					50				-5					1.60					
37.950	97.850					49				-6					1.35					

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WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 10

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

Entire segment-h

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 11

REFERENCE						ONI-7000#1														TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
34.129	99.334																			
34.150	99.427																			
34.171	99.518																			
34.191	99.606																			
34.213	99.700					49				-1					-1.88					
34.236	99.789					48				0					-1.20					
34.260	99.876			-12.61 f,h		47	-5			2		-2.92			.03					
34.286	99.967			-12.63		46	-5			3		-3.05			-.08					
34.309	100.057			-12.58		45	-4			4		-2.90			-.20					
34.334	100.149			-12.59		44	-3			5		-2.80			0.00					
34.357	100.235			-12.55		45	-4			4		-2.80			-.20					
34.377	100.325			-12.44		45	-4			5		-3.00			-.20					
34.379	100.420			-12.63		45	-3			4		-3.25			-.30					
34.383	100.515			-12.60		45	-3			4		-3.40			0.00					
34.387	100.611			-12.59		46	-4			5		-3.25			.27					
34.394	100.706			-12.53		45	-3			5		-3.30			.02					
34.401	100.800			-12.49		45	-3			5		-3.40			-.25					
34.403	100.894			-12.40		45	-3			6		-3.40			-.20					
34.407	100.990			-12.43		44	-2			6		-3.10			-.15					
34.408	101.085			-11.69		45	-3			6		-3.10			-.15					
34.410	101.196			-11.66		44	-1			7		-3.35			-.05					
34.414	101.292			-12.39		44	-1			7		-3.40			-.25					
34.417	101.387			-12.36		43	0			8		-3.40			-.10					
34.418	101.482			-12.41		43	0			9		-3.45			0.00					
34.419	101.577			-12.41		43	0			9		-3.70			0.00					
34.421	101.673			-12.40		44	1			9		-3.90			.27					
34.423	101.769			-12.35		43	1			9		-4.05			.50					
34.426	101.866			-12.47		44	-0			9		-4.25			.55					
34.430	101.959			-11.99		45	-1			9		-4.20			.60					
34.433	102.053					43	-1			10		-4.60			.45					
34.437	102.150			-2.61		43				10					.40					

Entire segment-h

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 1

REFERENCE LAT DEG	REFERENCE LONG DEG	TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ	ATM NOISE dB	SNR dB M	SNR dB W	SNR dB X	SNR dB Y	SNR dB Z	ONI-7000#1 ECD uS M	ECD uS W	ECD uS X	ECD uS Y	ECD uS Z	TDL-711 TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ
35.110	107.092	2.24	1.28	-.95		45	5	-2	-5	20		1.66	4.16	-1.86	1.78		2.04		-2.39	
35.123	107.158	1.86	.75	-2.23		44	6	-1	-4	21		1.65	3.85	-1.80	1.60		2.04		-2.28	
35.139	107.235	1.82	.89	-1.84		46	5	-3	-6	19		1.60	3.80	-1.55	1.50		1.89		-2.44	
35.154	107.317	1.87	.97	-2.18		47	3	-4	-7	18		1.40	3.85	-1.50	1.40		1.94		-2.27	
35.173	107.405	1.74	.99	-2.14		48	3	-4	-7	17		1.24	3.86	-1.50	1.36		1.84		-2.17	
35.194	107.490	2.05	.85	-2.17		48	4	-3	-7	18		1.60	3.80	-1.50	1.35		2.16		-2.24	
35.214	107.576	2.21	.84	-2.09		47	6	-2	-5	20		1.65	3.95	-1.45	1.45		2.28		-2.16	
35.237	107.663	2.11	.77	-2.14		48	5	-2	-6	19		1.85	3.95	-1.25	1.40		2.31		-2.21	
35.256	107.748	2.28	.85	-2.06		48	5	-1	-6	19		1.65	3.85	-1.15	1.50		2.36		-2.22	
35.268	107.836	1.94	.86	-1.94		48	5	-1	-7	19		2.00	3.75	-1.40	1.35		2.10		-1.96	
35.274	107.926	1.83	.95	-1.78		48	5	-1	-6	19		1.90	3.55	-1.30	1.30		2.09		-1.94	
35.284	108.017	1.91	.98	-2.01		47	6	-1	-5	20		1.90	3.10	-1.50	1.30		1.99		-1.92	
35.291	108.107	1.67	1.09	-1.80		47	6	-0	-5	20		1.80	2.57	-1.45	1.45		1.87		-1.89	
35.309	108.199	1.54	.96	-1.40		46	7	1	-4	22		1.75	2.05	-.95	1.55		1.68		-2.08	
35.327	108.283	1.37	.93	-1.97		46	7	2	-3	23		1.65	1.70	-.85	1.55		1.52		-2.06	
35.350	108.370	1.23	.94	-1.94		46	7	2	-3	23		1.35	1.00	-.90	1.60		1.40		-1.98	
35.374	108.457	1.10	.91	-2.02		47	8	1	-4	23		1.30	.32	-.90	1.35		1.36		-2.05	
35.397	108.546	1.31	1.55	-1.29		47	7	-0	-4	23		1.60	-.70	-.90	1.45		1.01		-2.01	
35.418	108.634	.74	.88	-1.99		48	7	0	-4	23		1.60	-.45	-.90	1.55		.87		-2.05	
35.440	108.722	.80	.86	-2.08		47	7	1	-3	23		1.55	-.50	-.95	1.60		.94		-2.13	
35.461	108.811	.57	.90	-1.94		46	8	2	-3	24		1.45	-.40	-1.20	1.60		.78		-2.05	
35.472	108.904	.24	.81	-1.85		47	7	1	-4	22		1.75	-.25	-1.25	1.35		.27		-1.93	
35.444	108.993	.25	1.41	-1.47		47	7	1	-4	23		1.55	-.80	-1.25	1.30		.34		-1.94	
35.426	109.088	.09	1.02	-1.43		48	7	1	-5	23		1.55	-1.45	-1.50	1.30		.35		-1.99	-2.80
35.412	109.182	.01	1.06	-1.88		48	6	1	-5	23		1.50	-1.25	-1.50	1.30		.28		-2.16	
35.397	109.276	.84	1.49	-1.50		48	7	1	-6	23		1.60	-.45	-1.50	1.45		.48		-2.24	
35.378	109.371	.44	1.12	-2.08		49	7	1	-7	23		1.60	-.45	-1.75	1.60		.52		-2.09	
35.360	109.465	.34	1.41	-2.08		50	5	-1	-9	22		1.65	-1.25	-2.10	1.60		.56		-2.25	
35.338	109.559	.47	1.56	-1.92		50	6	-1	-9	22		1.90	-1.35	-2.10	1.60		.50		-1.98	
35.318	109.652	.17	1.64	-1.87		49	7	0	-8	23		1.90	-1.50	-2.17	1.60		.47		-1.88	
35.297	109.746	.00	1.59	-1.67		47	10	4	-6	26		1.70	-1.50	-2.50	1.60		-.01		-1.87	
35.277	109.840	.43	1.37	-1.79		47	9	3	-6	26		1.60	-1.50	-2.65	1.60		.02		-1.81	
35.256	109.933	.09	1.96	-1.03		48	8	1	-6	25		1.60	-1.35	-2.60	1.60		.17		-1.76	
35.235	110.025	.28	1.34	-1.90		50	6	-1	-7	23		1.60	-1.70	-2.12	1.60		.33		-1.98	
35.214	110.118	.06	1.32	-2.01		51	6	-1	-8	23		1.90	-1.75	-1.55	1.35		.39		-2.14	
35.190	110.210	.06	1.30	-1.98		51	5	-1	-8	22		1.90	-1.35	-1.65	1.30		.08		-2.09	
35.171	110.302	-.00	1.14	-2.26		52	3	-2	-9	22		1.45	-1.35	-1.30	1.45		.02		-2.26	
35.149	110.394	-.20	.96	-1.70		52	3	-2	-10	22		1.35	-1.45	-1.35	1.60		-.15		-2.43	
35.129	110.486	.02	.92	-2.18		51	4	-1	-9	23		1.20	-1.15	-1.45	1.60		.06		-2.25	
35.109	110.577	.28	1.18	-2.00		52	3	-2	-10	23		1.05	-1.00	-1.20	1.60		.34		-2.05	
35.089	110.669	.12	1.36	-1.90		52	3	-2	-11	23		1.30	-.95	-1.45	1.60		.32		-2.04	
35.066	110.760	.37	1.42	-1.99		51	4	-2	-10	24		1.30	-1.20	-1.65	1.60		.41		-2.27	
35.043	110.852	.64	1.20	-2.33		49	6	-1	-8	26		1.30	-1.50	-1.56	1.60		.44		-2.37	
34.988	111.128	1.65	1.30	-1.44		47	8	-3	-6	29		1.20	.28	-1.65	1.60		1.32		-2.09	
34.970	111.221	1.53	1.19	-1.54		47	10	-3	-5	30		1.60	.20	-1.10	1.65		1.56		-2.09	
34.950	111.308	1.65	.66	-1.90		48	9	-3	-6	30		1.45	.38	-.95	1.60		1.76		-2.07	
34.930	111.401	1.65	.58	-1.99		49	10	-3	-6	29		1.60	.85	-.60	1.60		1.76		-2.14	
34.910	111.493	1.57	.75	-1.68		50	8	-5	-6	28		1.70	.13	.43	1.80		1.82		-1.89	
34.891	111.588	1.75	.76	-1.73		49	9	-3	-5	30		1.60	-.30	1.00	2.00		1.73		-1.78	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 12

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
34.870	111.678	1.92	1.02	-1.89		48	8	-4	-6	30		1.25	.53	0.00	1.75		2.05		-2.08	
34.854	111.774	2.05	1.32	-1.56		47	10	-3	-3	32		1.30	.95	-.15	1.80		1.92		-2.36	
34.835	111.869	2.19	.95	-2.05		47	10	-3	-2	32		1.42	1.36	.80	1.90		2.19		-2.23	
34.816	111.962	2.63	1.52	-1.69		47	10	-1	-2	33		1.55	1.70	1.40	1.85		2.20		-2.28	
34.797	112.054	2.27	1.21	-2.09		47	10	0	-1	34		1.45	1.80	1.05	1.90		2.28		-2.16	
34.775	112.149	1.84	1.03	-2.04		47	9	2	-2	34		.75	1.75	.45	1.95		1.76		-2.15	
34.752	112.242	1.75	.89	-2.03		47	9	3	-1	35		.40	1.95	.13	1.90		1.63		-2.07	
34.730	112.335	1.87	1.18	-1.68		47	10	1	-1	36		.45	1.95	.38	2.10		1.98		-1.96	
34.709	112.427	1.76	.93	-1.93		47	11	-0	-1	36		1.00	1.20	1.00	2.25		1.83		-2.02	
34.701	112.514	2.66	1.10	-1.85		49	10	-1	-3	35		1.00	.70	.90	1.95		2.09		-2.53	
34.707	112.612	2.54	.34	-2.64		49	10	-0	-3	34		1.45	1.25	.27	1.90		2.35		-2.53	
34.710	112.705	2.42	.64	-2.19		49	10	-2	-3	34		1.50	1.30	.50	1.90		2.40		-2.18	
34.714	112.799	2.37	.96	-1.76		47	12	-1	-1	36		1.30	1.05	.38	1.85		2.47		-1.99	
34.719	112.892	2.19	1.15	-1.66		47	12	-2	-0	37		1.15	.53	.33	1.75		2.23		-1.77	
34.724	112.985	2.14	1.11	-1.15		48	12	-1	0	37		1.35	-.05	.85	1.90		2.13		-1.89	
34.729	113.076	2.14	.91	-1.89		48	13	-1	1	38		1.30	-.05	1.00	1.85		2.05		-1.97	
34.734	113.170	2.16	.93	-1.80		48	13	-2	0	37		1.20	.10	.50	1.90			.84	-1.91	
34.741	113.262	2.43	.74	-2.05		52	10	-6	-4	34		1.55	.20	.40	1.90			.51	-2.32	
34.736	113.356	2.55	.74	-2.07		53	9	-7	-5	33		1.80	-.20	.55	1.90			.69	-2.09	
34.734	113.452	2.39	.97	-1.80		53	10	-5	-6	34		2.20	.57	.60	1.90			.97	-1.79	
34.731	113.543	2.12	1.17	-1.70		53	10	-3	-5	34		2.02	1.24	.46	1.60			1.17	-1.68	
34.732	113.637	1.95	1.82	-1.21		58	4	-9	-10	29		1.90	.37	.55	1.60			1.25	-1.82	
34.736	113.730	2.25	1.14	-1.94		56	6	-8	-7	33		1.90	-.65	.43	1.90			1.07	-2.04	
34.737	113.822	2.59	1.31	-1.82		53	10	-5	-4	36		2.05	-.45	.40	1.85			1.33	-1.86	
34.740	113.913	2.47	1.59	-1.58		51	13	-2	-2	39		2.25	.30	.65	1.90			1.53	-1.70	
34.743	114.006	1.95	1.47	-1.72		54	10	-5	-4	36		2.40	.55	.65	1.75			1.37	-1.86	
34.747	114.099	1.78	1.32	-1.27		54	8	-5	-4	37		1.65	.07	.33	1.90			1.18	-1.95	
34.750	114.191	2.07	1.30	-2.00		53	9	-4	-3	39		1.45	.43	.70	2.10			1.17	-2.19	
34.752	114.285	2.23	1.12	-2.21		53	9	-4	-2	39		1.50	1.15	.80	2.05			1.05	-2.36	
34.752	114.378	1.87	1.22	-2.23		53	10	-4	-2	41		1.50	1.00	1.10	2.20			.97	-2.37	
34.754	114.471	2.41	.82	-2.28		53	10	-4	-1	41		1.75	.80	1.00	2.10			.69	-2.48	
34.756	114.565	2.30	.75	-2.46		54	9	-5	-3	40		1.75	.95	.43	1.90			.59	-2.53	
34.762	114.655	2.21	.74	-1.96		56	8	-6	-4	39		1.65	.95	0.00	2.15			.63	-1.97	
34.765	114.746	2.32	1.03	-1.63		56	8	-6	-4	39		1.90	.27	.33	2.05			1.04	-1.80	
34.768	114.840	2.38	1.25	-1.82		55	9	-5	-2	41		1.90	-.05	.80	2.15			1.26	-2.10	
34.774	114.932	2.37	1.10	-1.56		55	10	-5	-1	41		1.80	.25	1.25	2.70			1.04	-2.11	
34.779	115.025	2.25	.69	-2.11		57	9	-7	-3	39		1.90	.45	1.50	2.30			.58	-2.42	
34.781	115.116	2.72	.69	-2.56		57	9	-8	-3	38		2.05	.60	1.25	2.20			.50	-2.40	
34.784	115.206	2.67	1.26	-1.71		57	9	-8	-3	39		1.90	.50	1.00	2.35			.72	-2.15	
34.782	115.299	2.59	.86	-2.32		56	9	-7	-2	38		2.00	.80	.85	2.40			.61	-2.20	
34.780	115.392	2.51	.59	-2.07		56	9	-7	-2	38		1.95	.27	1.05	2.20			.51	-2.18	
34.775	115.483	2.48	.99	-2.40		56	9	-7	-1	37		1.70	.02	1.10	2.20			.82	-1.97	
34.773	115.576	2.35	.67	-1.79		55	11	-5	1	38		1.90	-.08	1.20	2.15			.57	-2.24	
34.771	115.668	2.23	.48	-1.90		54	12	-3	2	38		1.85	.75	1.00	2.00			.41	-2.23	
34.769	115.761	2.36	.64	-2.10		53	13	-2	3	38		1.90	.90	1.05	1.90			-.01	-2.50	
34.771	115.854	1.57	.05	-2.54		53	14	-1	5	36		2.00	.50	1.30	1.85			-.01	-2.34	
34.773	115.962	1.75	.53	-2.36		53	13	-1	5	35		2.35	.27	1.30	1.55			.02	-2.30	
34.781	116.054	2.07	.11	-1.99		52	13	0	6	36		1.85	-.20	1.20	1.75			.05	-1.89	
34.784	116.146	2.58	.23	-1.63		51	13	1	7	37		1.60	.45	1.30	2.30			.28	-2.03	

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
34.787	116.239	2.43	.02	-1.88		52	12	0	7	35		1.60	1.00	1.30	1.65			.08	-2.40	
34.789	116.331	2.10	-.44	-2.56		53	12	-1	6	33		1.75	.85	1.30	1.55			-.50	-2.87	
34.789	116.424	1.13	-.08	-2.90		55	9	-2	5	31		1.70	.80	1.50	1.90			-.67	-3.35	
34.784	116.518	.93	-.41	-3.09		56	9	-4	5	30		1.70	.43	1.40	2.45			-.36	-3.37	
34.775	116.611	1.47	-.29	-2.62		56	9	-6	5	29		1.60	-.30	1.90	2.20			-.22	-2.95	
34.766	116.704	1.89	-.19	-2.72		54	9	-3	7	31		1.20	.15	1.65	1.95			-.31	-2.78	
34.757	116.796	2.37	-.25	-2.32		54	10	-3	8	31		1.05	.65	1.60	1.90			-.16	-2.64	
34.748	116.889	2.16	-.47	-2.30		53	13	-3	10	32		1.78	.50	1.60	1.90			-.38	-2.59	
34.738	116.981	1.91	-.50	-2.43		54	12	-4	10	30		2.40	-.13	1.80	1.90			-.46	-2.75	
34.729	117.074	2.08	-.54	-2.34		55	10	-5	10	29		1.85	-.03	2.10	1.80			-.52	-2.85	
34.719	117.164	1.70	-.77	-2.95		54	10	-3	11	29		.95	.45	2.20	1.60			-1.00	-3.00	
34.709	117.255	1.41	-.65	-2.79		53	12	-1	13	30		1.00	.50	2.20	1.60			-1.08	-3.01	
34.701	117.347	1.34	-1.00	-3.30		56	11	-3	11	26		1.90	.95	2.20	1.60			-.96	-3.60	
34.692	117.437	1.49	-.78	-3.11		54	13	-3	13	28		2.30	.73	2.50	1.40			-.67	-3.21	
34.687	117.528	1.79	-.42	-3.01		54	12	-3	13	28		1.85	-.45	2.45	1.40			-.37	-3.24	
34.674	117.617	1.86	-.46	-2.65		53	11	-2	15	28		1.60	-.35	2.50	1.55			-.42	-2.92	
34.666	117.707	2.00	-.27	-3.13		53	11	-2	16	29		1.30	-.35	2.40	1.60			-.32	-3.24	
34.657	117.796	1.89	-.62	-3.11		51	11	-0	18	30		1.20	.32	2.77	1.60			-.66	-3.42	
34.646	117.885	1.79	-.92	-3.28		50	10	0	20	31		.73	1.05	2.90	1.60			-1.08	-3.47	
34.637	117.970	2.17	-.92	-3.25		48	10	0	21	32		-.20	1.00	2.90	1.45			-1.03	-3.16	
34.629	118.051	1.88	-1.02	-2.84		49	11	-3	21	31		.20	.90	2.95	1.55			-1.38	-2.99	
34.580	118.092	1.67	-1.72	-2.37		49	8	-6	19	29		1.20	1.30	3.30	1.20			-2.13	-2.09	
34.549	118.005	2.22	-1.52	-2.32		49	10	-5	20	30		1.15	1.70	3.20	.70			-1.66	-1.04	
34.532	117.909	2.01	-1.41	-1.58		49	9	-2	20	31		.65	1.65	3.10	1.50			-1.62	-2.00	
34.500	117.817	1.72	-1.49	-1.53		48	11	1	20	32		.16	1.84	3.20	2.14			-1.48	-2.13	
34.463	117.728	1.96	-1.10	-2.02		47	15	4	22	34		.60	1.90	3.10	2.25			-1.19	-1.79	
34.422	117.639	1.98	-1.02	-1.24		45	17	5	23	35		1.00	1.75	2.95	2.10			-1.03	-1.65	
34.381	117.551	1.88	-.96	-1.48		46	17	5	23	35		1.30	.85	2.70	1.90			-.96	-1.53	
34.340	117.461	1.87	-1.15	-.92		46	17	4	22	34		1.60	.70	2.90	1.90			-1.13	-1.31	
34.306	117.369	1.90	-1.27	-1.12		47	18	4	21	34		1.60	.70	2.77	1.70			-1.24	-1.40	
34.271	117.278	1.65	-1.28	-1.38		47	19	4	20	34		2.15	.75	2.70	2.15			-1.38	-1.35	
34.226	117.194	1.54	-1.52	-1.39		47	19	5	19	33		2.50	1.50	2.63	2.15			-1.53	-1.48	
34.180	117.108	1.56	-1.60	-1.32		47	18	4	19	34		2.45	1.55	2.50	1.95			-1.59	-1.72	
34.135	117.024	1.77	-1.43	-.94		47	16	4	18	34		1.80	1.80	2.50	2.15			-1.48	-1.39	
34.089	116.938	1.92	-1.41	-1.24		46	14	2	17	35		.85	1.65	2.10	2.10			-1.43	-1.29	
34.057	116.846	2.04	-1.28	-1.27		46	15	2	17	34		.70	1.60	1.60	1.90			-1.09	-1.50	
34.032	116.751	2.17	-.83	-1.94		46	15	1	16	35		.80	1.90	1.60	1.80		2.34	-.77	-1.31	
33.986	116.665	2.50		-1.25		48	14	0		34		2.30	2.10		2.30		2.47		-1.16	
33.941	116.577	2.26		-1.13		45	17	5		38		2.20	2.20		2.20		2.16		-1.38	
33.900	116.492																1.72	-1.90	-.79	
33.859	116.405	1.79	-.85	3.37		42	19	6	18	44		1.60	1.30	1.90	-4.60			-.90	-6.59	
33.846	116.310																1.57	-.68	-6.72	
33.829	116.231	2.04																-.81	-6.23	
33.785	115.733	2.06	-.41	-1.19		50	11	-1	9	34		1.60	1.90	2.15	2.20			-.33	-1.46	
33.759	115.639	2.00	-.17	-1.24		50	10	-2	8	34		1.40	1.50	1.90	2.05			-.16	-1.53	
33.737	115.545	2.24	-.31	-1.24		50	10	-2	8	34		1.00	1.35	1.75	1.80			-.42	-1.28	
33.713	115.453	2.31	-.47	-1.39		49	12	0	9	35		1.45	1.75	2.00	1.60			-.58	-1.42	
33.689	115.357	2.38	-.46	-1.39		51	11	-2	7	33		2.20	2.15	2.10	1.60					
33.670	115.265	2.61	-.21	-1.79		51	11	-3	5	33		2.15	2.20	1.70	1.85		2.59	-.43		

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 19

REFERENCE LAT DEG	REFERENCE LONG DEG	TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ	ATM NOISE dB	SNR dB M	SNR dB W	SNR dB X	SNR dB Y	SNR dB Z	ECD uS M	ECD uS W	ECD uS X	ECD uS Y	ECD uS Z	TDL-711 TD BIAS uS MW	TDL-711 TD BIAS uS MX	TDL-711 TD BIAS uS MY	TDL-711 TD BIAS uS MZ
									ONI-7000#1											
33.648	115.170	2.00	-.72	-2.03		52	10	-5	5	32		1.90	2.20	1.90	2.30		1.88	-.78		
33.635	115.076	2.59	-.56	-1.96		52	11	-5	4	32		2.20	2.20	2.00	2.25		2.42	-.50		
33.623	114.980	2.77	-.16	-1.92		52	11	-5	4	32		2.15	2.35	1.90	2.20		2.72	-.19		
33.616	114.884	2.66	-.02	-1.65		51	11	-4	4	33		1.95	2.50	1.65	2.10		2.48	.04		
33.600	114.791	2.67	.18	-1.70		50	10	-4	5	33		1.55	2.25	1.90	2.15		2.58	.02		
33.579	114.698	2.90	-.10	-1.23		51	10	-4	4	33		1.15	2.20	1.60	1.75		2.59	.05		
33.575	114.610	2.35	.12	-1.48		51	11	-4	3	32		1.90	2.50	1.60	1.30		2.39	.08		
33.572	114.512	1.87	.23	-2.22		51	10	-5	2	32		2.20	2.26	1.42	1.78		1.83	.11		
33.561	114.416	1.75	.11	-2.40		51	9	-5	3	33		2.05	1.97	1.75	2.27		1.66	-.18		
33.549	114.318	1.94	.18	-1.85		52	9	-5	2	32		1.97	1.97	1.90	2.50		1.89	.11		
33.537	114.225	2.40	.15	-1.87		51	11	-4	2	33		2.20	2.20	1.45	2.20		2.30	.23		
33.527	114.132	2.41	.61	-2.16		54	9	-6	-1	31		2.20	2.20	1.75	2.20		2.34	.49		
33.514	114.034	2.77	.61	-1.81		55	7	-7	-2	28		2.20	2.44	2.14	1.90		2.75	.58		
33.490	113.944	3.03	.70	-1.69		55	5	-8	-3	27		2.10	2.50	2.00	2.00		2.76	.67		
33.444	113.862	2.58	1.14	-1.91		54	6	-7	-2	28		1.66	2.58	1.90	1.96		2.52	.92		
33.408	113.775	2.68	.77	-1.87		53	8	-6	-2	30		1.65	2.63	1.40	1.75		2.57	.51		
33.375	113.685	2.42	.59	-2.02		53	7	-5	-2	29		1.85	2.50	1.10	1.65		2.40	.41		
33.346	113.595	2.46	.55	-2.08		53	7	-6	-2	29		1.90	2.50	1.45	1.75		2.42	.41		
33.315	113.503	2.58	.61	-1.97		53	7	-7	-2	29		2.02	2.60	1.48	2.08		2.62	.40		
33.283	113.413	2.50	.38	-1.92		53	8	-8	-2	30		2.20	2.35	1.85	2.20		2.38	.19		
33.246	113.325	2.32	.31	-2.02		52	8	-6	-2	29		2.20	2.40	2.00	2.40		2.32	.08		
33.216	113.253	2.34	.24	-2.07		51	8	-5	-1	30		2.08	2.82	2.08	2.20		2.39	.05		
33.173	113.153	2.14	.15	-2.01		49	9	-3	1	32		1.75	2.63	1.90	2.20		11.71 a		-1.97	
33.132	113.067	1.98	.19	-2.03		48	10	-3	1	32		2.08	2.74	1.96	2.20		.33		-2.16	
33.092	112.980	1.92	.42	-2.05		48	9	-4	1	31		2.10	2.77	1.80	2.10		1.90		-2.19	
33.053	112.892	1.81	.56	-2.06		46	11	-1	3	33		1.65	2.57	1.75	1.95		1.80		-2.21	
33.012	112.808	1.76	.67	-1.97		46	11	-1	2	16 i		1.80	2.50	1.70	2.20		1.71	.54	-2.21	
32.976	112.717	1.69	.52			47	10	-2	1			1.70	2.63	1.25			1.64		-2.28	
32.941	112.629	1.84	.50	-1.96		46	11	-1	1	32		1.70	3.15	1.30	1.00		1.71		-2.17	
32.895	112.545	2.13	.50	-1.94		45	12	-1	2	32		1.60	3.20	1.30	1.30		2.06		-2.07	
32.850	112.462	2.39	.68	-1.89		47	10	-4	-8 i	30		1.60	3.27	.90	1.60		2.32		-2.02	
32.814	112.374	2.42	i	-1.83		46	11	-5		31		1.84	3.26	i	1.66					
32.774	112.288	1.97		-1.87		45	11	-4		32		1.60	3.30		1.90					
32.733	112.203	1.95		-1.74		47	9	-5		30		1.90	3.50		2.05					
32.693	112.120	2.25	.83	-1.66		48	8	-6	-5	29		2.15	3.50	1.30	2.20					
32.651	112.037	2.55	.92	-1.57		49	7	-8	-3	28		2.08	3.32	1.00	2.20					
32.610	111.953	2.81	.83	-1.59		55	1 i	-14 i	-9	21		1.90	3.26	1.42	2.20					
32.571	111.871	2.94	.92	-1.53		59	-3	-17	-13	17		2.10	3.30	1.60	2.20					
32.531	111.798	2.47	1.33	-1.44		56	-0	-14	-11	20		2.20	3.30	1.35	2.05					
32.493	111.721	2.25	1.31	-1.67		52	4	-10	-7	24		2.20	3.50	1.50	2.20					
32.462	111.649	2.23	1.31	-1.87		51	5	-8	-5	25		2.15	3.50	1.35	2.20					
32.435	111.584	2.10	1.22	-1.84		49	7	-6	-4	26		1.90	3.50	1.60	1.95					
32.408	111.523	2.09	1.19	-1.81		50	6	-8	-5	25		1.90	3.25	1.45	1.90					
32.378	111.459	1.60	1.26	-1.70		48	8	-6	-3	27		2.32	3.20	1.84	2.14					
32.344	111.384	1.56	1.30	-1.71		47	9	-5	-2	28		2.50	3.15	2.25	2.20					
32.314	111.306	2.10	1.30	-1.76		49	6	-7	-4	26		2.50	2.90	2.10	2.20					
32.287	111.232	2.01	1.35	-1.74		51	5	-9	-6	25		2.40	3.20	2.05	2.20					
32.258	111.168	1.80	1.74	-1.59		49	6	-7	-4	26		2.05	3.45	2.20	1.95					
32.241	111.116	1.91	1.44	-1.64		47	8	-3	-1	28		1.75	3.50	2.15	1.70					

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 1h

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.222	111.068	1.58	1.47	-1.60		47	7	-4	-3	27		1.70	3.55	2.10	2.00					
32.195	111.034	2.55	1.01	-1.75		47	7	-4	-2	27		1.75	3.65	2.20	2.15					
32.171	111.006	2.46	.93	-1.85		47	7	-4	-2	27		1.70	3.50	2.05	1.90					
32.147	110.978	2.43	.86	-1.86		49	5	-6	-4	25		1.70	3.45	2.10	2.15					

Entire page - h

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 13

REFERENCE LAT	REFERENCE LONG	TD BIAS uS MW	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ	ATM NOISE dB	ONI-7000#1 SNR dB M	W	X	Y	Z	ECD uS M	W	X	Y	Z	TDL-711 TD BIAS uS MW	MX	MY	MZ
DEG																				
32.106	110.931	2.71	.88	-1.66		50	4	-5	-6	25		2.38	3.44	-.30	3.14					
32.070	110.890	2.86	.70	-1.80		49	4	-4	-6	24		2.10	3.50	-.10	2.63					
32.033	110.847	3.02	.65	-1.78		50	4	-5	-7	24		1.90	3.75	.13	2.50					
31.997	110.797	3.37	.70	-1.89		49	4	-5	-7	24		1.65	4.15	-.15	2.10					
32.012	110.726	3.94	.88	-1.63		50	3	-6	-8	23		1.55	4.30	-.75	1.35					
32.031	110.656	3.86	.47	-2.18		49	4	-7	-7	23		2.00	4.55	-.95	1.60					
32.057	110.587	4.30	-.28	-2.45		47	6	-6	-6	24		2.00	5.07	-1.50	1.60		4.45		-2.51	
32.076	110.514		.03	-2.21		47	4		-6	24		1.70		-1.20	1.75		4.00		-2.53	
32.095	110.441		.36	-2.34		45	4		-6	23		1.10		-1.20	1.60		3.18		-2.44	
32.113	110.366		.74	-2.12		45	4		-6	24		1.25		-1.20	1.85		13.28		-2.15	
32.094	110.288	3.32	1.20	-1.94		45	3	-6	-7	24		.63	6.60	-1.35	1.90		13.45		-2.08	
32.086	110.207		.91	-1.87		44	4		-6	25		0.00		-1.50	1.80		13.70		-2.04	
32.075	110.117	3.61	.55	-2.16		45	4		-7	24		0.00		-1.80	1.75		13.85		-2.38	
32.064	110.022	3.10	.57	-2.35		47	3	-7	-9	23		.38	4.47	-1.88	1.45		13.57		-2.45	
32.029	109.724		-.10	-2.82		45	4		-7	24		.90		-2.50	1.70		12.03		-2.93	
32.015	109.568		.92	-2.07		44	3		-6	25		.44		-2.68	1.60		12.59		-2.32	
32.007	109.476		1.06	-2.05		43	4		-5	26		-.25		-2.80	1.60		12.58		-2.30	
32.000	109.390		.79	-2.10		42	4		-4	26		-.35		-2.80	1.50		12.04		-2.41	
31.989	109.300		.39	-2.30		44	1		-7	24		-.70		-2.80	1.60		11.46		-2.64	
31.978	109.205		.13	-2.58		44	1		-7	23		-.75		-2.75	1.30		10.96		-2.93	
31.968	109.111		.67	-2.38		42	3		-5	24		-.85		-2.50	1.45		11.06		-2.63	
31.961	109.016		.85	-2.43		42	4		-5	23		-.84		-2.18	1.36		11.19		-2.77	
31.954	108.920	1.72	1.09	-2.22		43	3		-6	22		-1.20		-1.95	1.30		11.84		-2.48	
31.947	108.827	1.57	1.45	-1.77		44	1	-2	-7	21		-1.30	4.60	-1.80	1.00		11.88		-2.07	
31.938	108.733	1.27	1.67	-1.43		44	1	-2	-8	21		-1.25	4.30	-1.65	1.30		11.64		-1.74	
31.925	108.633	1.15	1.84	-1.33		44	1	-2	-7	22		-1.20	3.90	-1.20	1.55		11.51		-1.67	
31.917	108.544	1.27	1.84	-1.37		44	1	-1	-7	21		-1.02	4.04	-.42	1.60		11.51		-1.68	
31.908	108.449	1.26	1.91	-1.29		46	-1	-3	-9	20		-1.25	4.35	.20	1.70		11.54		-1.68	
31.899	108.356	1.28	1.67	-1.54		44	1	-1	-7	22		-1.65	4.15	.85	1.65		11.50		-1.87	
31.888	108.260	1.24	1.44	-1.62		44	1	-1	-8	22		-1.65	4.05	1.25	1.45		11.47		-1.98	
31.876	108.163	1.08	1.21	-1.74		46	-1	-4	-10	19		-1.35	4.00	1.30	1.60		11.50		-2.11	
31.866	108.067	1.13	1.25	-1.92		46	-1	-5	-11	18		-1.00	3.80	1.55	1.30		11.44		-2.31	
31.859	107.971	1.02	1.40	-2.09		46	-1	-5	-11	19		-1.05	3.80	1.75	1.30		11.31		-2.47	
31.850	107.875	.88	1.09	-2.16		45	0	-4	-10	19		-1.15	3.60	1.90	1.40		11.35		-2.53	
31.840	107.779	.88	.97	-2.30		46	0	-5	-11	18		-.60	3.20	1.90	1.60		11.37		-2.65	
31.830	107.685	1.07	.83	-2.45		45	1	-4	-10	19		-.08	3.10	2.10	1.60		11.32		-2.80	
31.819	107.590	.97	.82	-2.44		44	1	-3	-9	19		.24	3.20	2.20	1.54		11.08		-2.81	
31.817	107.471	.34	1.19	-2.07		44	1	-3	-9	19		.27	3.20	2.50	1.50		10.58		-2.42	
31.822	107.360	-.01	.91	-2.34		46	-1	-5	-11	18		.27	3.45	2.50	1.70		10.39		-2.72	
31.819	107.265	.14	.74	-2.39		46	-1	-5	-11	17		.60	3.30	2.50	1.75		10.42		-2.65	
31.818	107.171	.48	1.14	-2.13		46	-2	-6	-12	17		.50	3.25	2.57	1.60		10.63		-2.52	
31.816	107.076	.82	1.32	-2.02		45	-1	-5	-11	17		.45	3.55	2.83	1.20		10.85		-2.33	
31.815	106.982	.70	1.12	-2.03		45	-2	-4	-11	16		.50	3.80	2.90	1.00		10.70		-2.34	
31.812	106.888	.23	.83	-2.18		46	-4	-5	-12	14		1.12	4.16	2.90	.94		10.18		-2.43	
31.813	106.794	-.09	.70	-2.24		46	-3	-5	-12	14		1.35	4.45	3.10	.85		10.08		-2.53	
31.810	106.701	-.36	.59	-2.39		44	-1	-3	-10	16		1.50	4.40	3.20	1.05		9.88		-2.70	
31.806	106.606	-.26	.65	-2.39		43	-0	-3	-9	18		2.00	4.40	3.20	1.30		9.94		-2.71	
31.805	106.513	-.25	.56	-2.45		43	-1	-3	-9	18		2.05	4.40	3.20	1.30		9.94		-2.67	
31.806	106.421	.04	.45	-2.50		43	-1	-4	-9	18		1.95	4.40	3.35	1.30		10.26		-2.74	

Entire segment-h

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 13

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
31.805	106.328	-.01	.30	-2.53		43	-2	-4	-10	17		1.95	4.60	3.45	1.20		10.08		-2.76 a	
31.800	106.235	.13	.60	-2.00		43	-2	-4	-10	17		2.00	4.70	3.50	1.55		10.38		-2.25	
31.792	106.144	.13	.68	-1.80		43	-1	-3	-10	18		1.90	4.65	3.50	1.80		10.14		-2.14	
31.782	106.051	.17	.79	-1.81		42	0	-3	-10	18		1.95	4.50	3.50	1.70		10.27		-2.11	
31.775	105.958	.05	.88	-1.86		43	-1	-4	-11	17		1.60	4.50	3.50	1.50		10.12		-2.10	
31.769	105.862	.60	.98	-2.00		43	-2	-4	-11	16		1.40	4.70	3.55	1.35		10.59		-2.33	
31.762	105.769	.80	1.02	-2.16		42	-1	-3	-10	17		1.65	5.00	3.70	1.30		10.68		-2.37	
31.753	105.675	.67	1.20	-2.08		43	-2	-4	-11	16		1.60	5.00	3.55	1.00		10.61		-2.34	
31.746	105.582		1.36	-1.96		42	-1		-10	15		1.65		3.50	.75		10.72		-2.29	
31.739	105.487		1.49	-1.86		43	-2		-11	14		1.90		3.50	.40		10.90		-2.18	
31.731	105.394		1.52	-1.69		44	-3		-12	13		2.10		3.60	.40		10.97		-1.99	
31.724	105.300		1.39	-1.60		43	-2		-11	14		2.00		3.50	.50		11.02		-1.96	
31.717	105.206		1.38	-1.67		43	-2		-11	15		1.85		3.80	.40		10.87		-1.91	
31.730	105.115		1.24	-1.37		43	-2		-12	14		1.85		3.80	.65		11.18		-1.70	
31.716	105.028	21.48 a	1.31	-1.30		42	-2	6	-12	14		1.90	-2.10	3.80	1.25		11.25		-1.56	
31.685	104.941	21.66	1.01	-1.37		42	-1	6	-12	15		1.85	-1.95	3.80	1.30		11.34		-1.61	
31.652	104.853	21.76	1.06	-1.33		43	-2	4	-13	14		1.60	-2.10	3.80	1.30		11.54		-1.54	
31.621	104.765	21.65	1.12	-1.33		43	-2	3	-13	14		1.75	-2.17	3.80	1.40		11.52		-1.55	
31.587	104.680	21.85	1.10	-1.32		44	-3	1	-14	13		1.90	-2.50	3.80	1.48		11.76		-1.54	
31.550	104.595	21.84	1.11	-1.30		44	-3	1	-14	13		1.97	-2.50	3.80	1.30		11.66		-1.51	
31.515	104.509		1.09	-1.29		44	-3		-15	12		2.50		3.80	1.30		11.78		-1.46	
31.478	104.423		1.05	-1.42		45	-5		-16	12		2.05		3.80	1.30		11.85		-1.52	
31.442	104.339		1.15	-1.30		45	-5		-16	11		1.90		3.80	1.30		11.76		-1.49	
31.407	104.254		1.08	-1.33		44	-5		-15	11		1.90		3.85	1.20		11.57		-1.67	
31.375	104.166		1.07	-1.48		43	-4		-14	12		2.05		3.80	1.00		11.63		-1.63	
31.345	104.079		1.10	-1.43		44	-5		-15	11		2.00		3.80	.95		11.67		-1.63	
31.314	103.991		.93	-1.56		45	-7		-17	9		1.90		3.80	1.00		11.53		-1.59	
31.284	103.903		.79	-1.64		43	-5		-15	11		2.15		3.80	1.00		11.29		-1.71	
31.253	103.815		.81	-1.62		43	-5		-15	11		2.50		3.80	1.00		11.10		-1.77	
31.222	103.728		.76	-1.54		42	-4		-14	12		2.45		3.80	1.00		10.72		-1.78	
31.192	103.641		.82	-1.57		42	-4		-14	12		2.50		3.80	1.00		10.78		-1.74	
31.163	103.555		.75	-1.69		42	-4		-15	11		2.50		3.80	1.00		10.81		-1.70	
31.131	103.466		.69	-1.71		42	-4		-15	11		2.50		3.80	1.00		10.80		-1.76	
31.103	103.378		.57	-1.78		43	-5		-16	10		2.50		3.80	.80		10.91		-1.78	
31.073	103.289		.68	-1.66		43	-6		-16	10		2.40		3.80	.60		10.65		-1.79	
31.043	103.204		.86	-1.48		44	-7		-17	9		2.50		3.80	.45		10.55		-1.71	
31.006	103.118		.85	-1.46		45	-8		-18	8		2.30		3.80	.45		10.36		-1.66	
30.970	103.033			-1.46		44	-7			8		2.35			.60					
30.946	102.944			-1.56		43	-6			9		2.50			.45					
30.934	102.849			-1.14		43	-7			9		2.50			.20					
30.923	102.756			-1.22		44	-8			8		2.50			-.05					
30.912	102.662			-1.24		44	-8			7		2.50			-.10					
30.900	102.567			-1.19		44	-8			7		2.50			-.15					
30.887	102.475			-1.06		43	-7			7		2.50			-.30					
30.875	102.380			-1.16		43	-7			7		2.50			-.30					
30.862	102.287			-1.20		43	-7			7		2.50			-.30					
30.849	102.192			-1.12		44	-8			6		2.50			-.30					
30.833	102.081			-1.13		44	-8			5		2.50			-.70					
30.821	101.986			-1.20		44	-8			5		2.50			-.84					

Entire segment-h

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 13

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
30.810	101.891			-1.25		44	-8			5		2.50			-.90					
30.797	101.795			-1.44		47	-12			2		2.57			-.80					
30.785	101.700			-1.46		48	-13			1		2.57			-.70					
30.771	101.606			-1.31		49	-14			-1		2.50			-.15					
30.759	101.511			-1.45		47	-12			0		2.50			.07					
30.747	101.415			-1.36		45	-10			3		2.50			.40					
30.737	101.321			-1.33		43	-8			4		2.50			.40					
30.726	101.225			-1.33		43	-8			4		2.50			.33					
30.717	101.134			-1.45		42	-7			5		2.50			0.00					
30.705	101.025			-1.33		42	-8			5		2.50			.32					
30.697	100.930			-1.19		42	-8			6		2.50			.07					
30.689	100.834			-1.12		42	-8			5		2.50			.60					
30.681	100.739			-1.15		42	-8			5		2.50			.65					
30.674	100.643			-1.13		42	-9			5		2.50			.50					
30.667	100.548			-1.07		43	-10			4		2.50			.75					
30.658	100.452			-1.16		44	-11			3		2.50			1.20					
30.650	100.358			-1.18		44	-11			3		2.50			1.30					
30.642	100.261			-1.16		43	-10			3		2.50			1.30					
30.634	100.165			-1.08		44	-11			2		2.50			1.55					
30.626	100.069			-1.05		45	-12			2		2.50			1.65					
30.617	99.973			-.91		45	-12			0		2.50			1.60					
30.610	99.875			-.74		45	-13			1		2.50			1.55					
30.601	99.778			-.77		45	-13			1		2.50			1.25					
30.584	99.683			-.66		45	-13			1		2.50			1.15					
30.568	99.586			-.59		46	-15			-1		2.50			1.30					
30.551	99.490			-.57		47	-16			-2		2.50			1.25					
30.535	99.395																			

Entire segment-h

WINTER STABILITY TABLE - 9940 CHAIN - SEGMENT 14

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

Entire segment-h

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 1

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
39.484	74.634		-2.46	-.11	1.36	60	14		10	10	-8	2.57		2.45	2.90	.85		-2.89	-.55	
39.522	74.671		-2.09	-.28	.96	58	15		11	9	-8	2.75		1.80	2.90	1.25		-2.15	-.29	
39.542	74.600		-.62	.37	.63	58	15		12	10	-7	3.20		1.60	2.57	1.25		-1.45	.02	
39.551	74.513		-1.88	-.38	.70	59	14		11	9	-9	3.20		1.70	2.50	1.10		-1.61	-.51	
39.559	74.424		-2.18	-.80	.46	59	14		11	9	-8	3.00		1.90	2.50	1.10		-1.90	-.82	
39.567	74.334		-1.83	-.61	.63	60	13		12	9	-9	2.70		1.90	2.50	1.00		-1.57	-.83	
39.576	74.239		-1.36	-.70	.67	60	12		11	8	-10	2.50		1.90	2.50	.70		-1.63	-.66	
39.588	74.143		-1.38	-1.18	.54	59	14		13	9	-9	2.50		1.96	2.50	.58		-1.74	-1.10	
39.602	74.041		-2.02	-1.68	.34	58	15		14	10	-8	2.63		1.90	2.50	.65		-1.66	-1.56	
39.644	73.958		-.68	-1.53	.79	59	15		14	9	-10	2.35		1.90	2.50	.65		-1.79	-1.61	
39.682	73.859		-1.79	-.97	.96	59	15		14	9	-10	3.00		1.90	2.50	.75		-1.50	-1.05	
39.722	73.750		-1.26	-1.26	.70	59	15		14	9	-10	3.20		1.90	2.50	.70		-1.36	-1.14	
39.763	73.640		-1.21	-1.64	.54	59	16		15	9	-10	3.10		1.90	2.50	.22		-1.32	-1.36	
39.827	73.552		-1.31	-1.70	.60	58	16		16	9	-9	2.57		2.05	2.50	.50		-1.26	-1.32	
39.906	73.462		-1.59	-1.44	1.30	59	15		15	8	-9	2.63		2.00	2.50	.55		-1.37	-1.50	
39.965	73.396		-1.58	-1.42	.77	59	15		15	8	-9	2.90		2.10	2.20	-.15		-1.38	-1.75	
40.035	73.315		-1.33	-1.27	.74	60	15		16	7	-9	2.90		1.90	2.20	.27		-1.10	-1.53	
40.105	73.237		-1.41	-1.23	.67	60	14		15	6	-9	2.90		1.90	2.15	.03		-1.21	-1.39	
40.176	73.160		-.80	-1.28	.61	60	15		16	7	-9	2.90		1.90	2.10	-.30		-1.36	-1.52	
40.246	73.081		-.37	-1.27		60	14		16	6		2.90		1.90	2.10			-1.36	-1.69	
40.318	73.006	2.28	-1.07	-2.31		62	12	-11	14	3		2.90	-1.10	1.90	2.05			-1.45	-1.94	
40.391	72.932	1.69	-1.58	-1.48		62	12	-11	15	3		2.77	-.60	2.00	1.90			-1.33	-1.64	
40.463	72.857	2.59	-.67	-1.45		61	13	-10	16	4		2.90	.13	2.10	1.90			-1.27	-1.65	
40.534	72.782	1.66	-1.29	-1.04		61	13	-10	17	3		2.90	-.03	2.10	1.90			-1.14	-.71	
40.607	72.706	2.19	-.98	-.09		64	10	-12	14	0		2.90	-.18	1.90	1.90			-.72	-.24	
40.677	72.631	1.57	-.99	-.38		64	9	-12	14	-0		2.90	.50	2.14	2.08			-.64	-.00	
40.743	72.546	1.32	-.88	.28		64	8	-12	15	0		2.77	.70	1.95	2.15			-.53	-.03	
40.810	72.457	1.45	-.79	-.01		64	7	-12	15	-1		2.25	.75	2.15	2.00			-.52	-.07	
40.874	72.369	1.37	-.46	.31		65	7	-13	15	-2		2.50	.90	2.20	1.95			-.40	.12	
40.933	72.268	1.75	.46	.20		64	8	-11	16	-1		2.90	.90	1.95	2.20			.00	-.14	
40.985	72.161	2.10	-.61	-.26		65	7	-11	15	-2		2.90	1.15	1.95	2.20			-.22	-.39	
41.036	72.056	2.26	-.71	-.27		65	6	-10	16	-2		2.57	1.15	2.15	2.20			-1.35	-.60	
41.097	71.933	1.28	-2.44	-.87		65	6	-10	17	-3		2.25	1.30	2.20	2.05			-1.88	-.98	
41.159	71.876	-.48	-2.43	-.82		66	4	-11	16	-5		1.95	1.40	2.50	2.10			-2.22	-.97	
41.235	71.812	-.15	-1.82	-.71		66	3	-11	17	-5		1.90	1.50	2.25	2.20			-1.74	-.92	
41.312	71.749	.78	-.74	-.49		66	1	-11	17	-5		1.50	1.00	2.20	2.15			-1.32	-.78	
41.390	71.695	.67	-1.56	-.65		66	1	-11	17	-5		1.60	1.00	2.35	2.05			-1.44	-.92	
41.468	71.640	-.27	-1.38	-.71		66	1	-10	17	-6		1.60	1.40	2.20	2.05			-1.53	-.91	
41.546	71.585	.42	-.99	-.87		67	-0	-10	16	-9		2.00	1.50	2.15	2.10			-1.02	-.79	
41.615	71.503	.53	-.78	-.97		68	-1	-10	16	-10		2.15	1.65	2.00	1.85			-.87	-.89	
41.688	71.433	.89	-.80	-.59		69	-2	-10	14	-11		1.85	1.60	2.25	1.60			-.74	-.81	
41.750	71.339	1.15	-.31	-.54		67	-1	-8	15	-10		2.00	1.65	1.60	1.60			-.71	-.69	
41.812	71.244	.92	-.84	-.97		66	0	-6	16	-8		1.60	1.42	1.78	1.60			-.87	-.89	
41.875	71.154	.03	-.93	-.82		66	0	-5	16	-8		1.60	1.50	1.65	1.80			-.94	-.87	
41.938	71.062	1.43	-.82	-.91		66	0	-4	17	-9		1.60	1.60	1.90	2.15			-.98	-.97	
42.005	70.975	-.36	-1.44	-1.17		66	-0	-4	16	-9		1.40	1.75	2.00	2.20			-1.13	-1.23	
42.081	70.911	.02	-1.07	-1.10		65	1	-2	17	-8		1.35	1.90	2.20	2.05			-1.00	-1.24	
42.157	70.846	-.12	-1.53	-1.03		65	1	-2	18	-8		1.70	1.90	1.90	1.75			-1.50	-1.17	
42.233	70.780	1.02	-1.38	-1.07		67	-0	-3	17	-11		1.90	2.15	2.05	1.80			-1.69	-1.15	

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 1

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
42.304	70.703	.18	-1.35	-.91		68	-1	-4	16	-13		2.15	2.05	2.00	1.80			-1.33	-.98	
42.372	70.613	1.00	-1.65	-1.19		68	-1	-4	16	-12		2.20	1.90	1.95	1.75			-1.19	-.80	
42.452	70.576	-.49	-2.44	-1.04		67	-0	-3	17	-11		1.55	2.05	2.40	2.00			-2.42	-1.17	
42.534	70.577	1.30	-2.02	-.60		67	-1	-2	17	-11		1.45	2.20	2.10	1.95			-2.43	-1.08	
42.616	70.577	.38	-2.67	-1.19		66	-1	-1	17	-11		1.60	2.15	1.90	2.35			-2.87	-1.40	
42.697	70.576	.68	-2.68	-1.13		65	1	-0	17	-11		1.70	2.10	1.90	1.80			-2.96	-1.37	
42.778	70.581	.18	-2.80	-1.17		66	0	-1	16	-14		1.85	1.90	1.90	1.25			-2.89	-1.07	
42.859	70.584	1.05	-2.76	-.74		66	0	-0	16	-13		1.75	1.75	1.90	1.65			-3.01	-1.01	
42.938	70.592	1.18	-2.75	-.79		66	0	0	15	-13		1.90	2.00	1.90	1.80			-2.91	-.91	
43.019	70.598	1.10	-3.10	-.64		65	0	0	16	-13		1.50	1.90	1.90	1.95			-3.10	-.90	
43.099	70.606	.84	-3.28	-1.16		64	1	1	16	-13		1.30	1.85	1.90	1.50			-3.48	-1.09	
43.178	70.616	1.57	-3.14	-.71		65	1	1	15	-14		1.25	1.90	1.90	.60			-3.42	-1.08	
43.258	70.625	.93	-3.06	-.88		64	1	0	15	-14		1.30	1.70	1.85	.70			-3.25	-.97	
43.339	70.623	.63	-2.65	-.70		63	1	1	16	-13		1.30	1.55	1.60	-.13			-2.91	-.68	
43.419	70.618	1.01	-2.35	-.23		62	2	2	16	-13		1.20	1.30	1.45	-.50			-2.16	-.18	
43.488	70.552	-1.21	-6.79m	-1.85		60	3	4	18	-12		1.25	1.25	1.05	.35			-5.68m	-1.73	
43.549	70.465	-1.56	-6.21↓	-2.32		59	4	6	18	-11		.85	1.00	1.25	.32			-7.48↓	-2.70	
43.602	70.368	-.68	-3.84	-.75		61	1	4	16	-13		.70	1.25	1.45	-.18			-4.03	-.72	
43.661	70.278	-.00	-3.24	-.55		62	-0	3	16	-15		.70	1.30	1.60	-.08			-2.83	-.24	
43.720	70.191	-.11	-2.95	-.38		61	1	5	17	-12		.70	1.30	1.75	.60			-3.03	-.28	
43.778	70.102	.26	-2.22	.09		60	1	6	18	-11		.50	1.30	1.75	.45			-1.78	.23	
43.841	70.023	.37	-2.33	-.19		60	0	7	17	-11		.45	1.40	1.90	.48			-2.33	-.16	
43.909	69.949	.91	-2.62	-.39		59	1	9	18	-9		.40	1.60	1.70	.70			-2.66	-.35	
43.975	69.875	.67	-2.95	-.63		59	-1	9	17	-11		.40	1.55	1.60	.32			-3.03	-.62	
44.040	69.798	.16	-3.47	-.85		59	-1	9	15	-11		.55	1.40	1.35	.70			-3.49	-.83	
44.104	69.720	.25	-3.76	-1.09		59	-2	10	15	-11		.15	1.60	1.30	.03			-3.77	-1.15	
44.168	69.641	.71	-4.06	-1.37		58	-2	11	15	-11		-.55	1.60	1.30	.08			-4.09	-1.27	
44.230	69.562	.27	-4.13	-1.46		58	-1	12	15	-11		-.55	1.85	1.40	-.20			-4.40	-1.45	
44.289	69.484	.60	-5.02	-1.40		58	-1	12	14	-11		.13	1.90	1.30	.48			-4.84	-1.53	
44.354	69.403	.07	-5.06	-1.51		58	-2	12	14	-11		.40	1.70	1.30	.50			-4.66	-1.32	
44.421	69.333	-1.24	-4.82	-1.87		58	-3	13	14	-12		.30	1.68	1.60	.70			-4.85	-1.56	
44.493	69.272	-2.32	-3.42	-.58		58	-3	13	13	-13		.02	1.70	1.40	.70			-3.53	-.57	
44.552	69.199	-2.02	-5.02	-.93		57	-3	15	14	-12		.40	1.70	1.30	.70			-5.06	-1.26	
44.620	69.128	-1.92	-3.47	-1.04		58	-4	15	12	-13		.20	1.60	1.30	.90			-4.28	-.99	
44.686	69.054	-2.68	-1.66	.63		58	-4	15	12	-13		0.00	1.60	1.30	1.00			-1.74	.66	
44.751	68.976	-1.78	-1.80	.30		60	-6	14	9	-15		.40	1.60	1.30	1.00			-1.74	.55	
44.817	68.900	-2.40	-2.07	.37		60	-6	15	9	-16		.40	1.84	1.30	1.12			-2.12	.47	
44.888	68.842	-2.22	-2.26	.43		58	-5	17	11	-15		.38	1.90	1.30	1.05			-2.14	.75	
44.964	68.794	-2.75	-2.30	.54		59	-5	17	10	-16		.80	1.90	1.30	1.15			-2.35	.74	
45.041	68.753	-2.89	-2.69	.31		60	-6	16	9	-17		.60	2.00	1.30	1.45			-2.78	.41	
45.120	68.720	-1.30	-2.69	.41		60	-7	17	8	-18		.15	1.95	1.30	1.60			-2.79	.30	
45.200	68.690	-2.22	-2.94	.04		61	-7	17	8	-19		-.13	1.90	1.30	1.60			-3.10	.17	
45.279	68.656	-2.16	-2.79	.17		62	-8	16	6	-20		.43	1.80	1.30	1.85			-2.89	.49	
45.358	68.621	-2.11	-3.00	.17		62	-8	17	6	-20		.60	1.70	1.20	1.90			-5.04	-2.38	
45.439	68.588	-1.82	-3.35	.09		63	-10	16	4	-21		.45	1.60	1.15	2.00					
45.517	68.557	-2.20	-3.43	.06		63	-12	16	3	-22		.27	1.60	1.30	2.00					
45.596	68.523	-2.39	-3.45	.10		63	-12	18	3	-22		.13	1.70	1.20	2.20		-1.79	-3.70		
45.674	68.488	-1.63	-3.45	.17		62	-11	19	4	-21		.40	1.90	1.12	2.44		-2.06	-3.43		
45.752	68.453	-1.57	-3.40	.11		63	-13	19	2	-23		-.03	1.90	1.30	2.50		-2.11	-3.42		

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 1

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
45.831	68.420	-2.36	-3.47			63	-13	20	2			-.40	1.90	1.30			-2.12	-3.66		
45.909	68.386	-1.47	-3.65			61	-11	22	3			-.55	1.90	1.25			-2.29	-3.67		
45.988	68.353	-2.26	-3.22			62	-13	23	1			-.60	1.90	1.15			-1.95	-3.41		
46.065	68.316	-1.44	-3.08			65	-16	21	-2			-.55	1.90	1.25			-1.80	-3.10		
46.145	68.284	-1.41	-3.46			65	-16	23	-2			-.35	2.05	1.05			-1.73	-3.54		
46.223	68.251	-2.23	-3.21			65	-16	24	-2			-.35	2.20	1.00			-1.75	-3.40		
46.302	68.230	-2.17	-3.30			66	-17	24	-4			.15	2.20	1.05			-2.15	-3.66		
46.380	68.221	-1.21	-3.28			67	-16	26	-5			-.10	2.35	1.00			-1.75	-3.25		
46.458	68.207	-.65	-2.83			70 b	-18 b	25	-8 b			.22	2.35	1.00			-1.23	-3.02		
46.536	68.191	-1.47	-3.12			71	-18	25	-10			.65	2.50	1.00			-1.19	-3.21		
46.614	68.172	-1.13	-3.02			71	-18	26	-10			.95	2.25	1.05			-.75	-3.12		
46.689	68.135	-.46	-3.15			74	-21	26	-14			1.30	2.20	1.05			.04	-2.92		
46.739	68.129	-2.02	-2.33			75	-22	25	-16			1.30	2.50	1.00						
46.719	68.269	-1.00	-2.67			77	-23	22	-17			1.15	2.50	.95			-3.79	-2.07	12.71 a	
46.673	68.369	-2.00	-2.88			77	-23	19	-17			1.30	2.35	1.30			-2.45	-2.97		
46.631	68.473	-1.84	-2.89			75	-21	19	-15			1.30	2.20	1.30			-2.65	-2.95		
46.588	68.576	-2.19	-2.02			73	-19	19	-14			1.30	2.20	.82			-2.99	-3.19		
46.548	68.680	-2.38	-2.98			73	-18	18	-16			1.35	2.20	.45			-3.07	-3.05		
46.508	68.787	-2.50	-2.39			72	-17	17	-15			1.15	2.20	.33			-3.26	-3.17		
46.466	68.892	-2.93	-2.96			71	-15	17	-14			.95	2.10	.20			-3.57	-3.04		
46.427	68.998	-3.32	-3.20			70	-14	16	-12			.80	2.20	.40			-3.51	-3.20		
46.390	69.105	-2.78	-2.93			68	-12	17	-10			.75	2.20	.40			-3.37	-3.38		
46.350	69.209	-2.76	-2.24			67	-10	18	-7			1.00	2.20	.50			-3.45	-2.91		
46.314	69.315	-2.92	-2.83			65	-8	19	-5			.80	2.20	.75			-3.57	-2.98		
46.289	69.427	-3.16	-3.03			61	-4	21	-1			1.00	1.90	.90			-3.69	-3.15		
46.264	69.536	-3.63	-2.72			63	-5	18	-2			1.00	1.90	1.00			-3.61	-3.02		
46.244	69.647	-3.26	-3.02			62	-3	19	-1			.95	1.90	1.00			-3.08	-2.93		
46.223	69.760	-2.87	-2.71			61	-1	19	-0			1.00	1.90	1.00			-3.39	-2.81		
46.204	69.873	-3.14	-2.25			62	-2	17	-1			1.20	1.80	1.00			-3.08	-2.83		
46.182	69.985	-2.63	-2.38			62	-1	17	0			1.10	1.90	.90			-3.04	-2.51		
46.155	70.092	-1.73	-2.59			60	1	18	1			1.00	1.90	.88			-2.57	-2.68		
46.126	70.202	-2.02	-2.24			60	1	18	1			.95	1.85	1.00			-2.05	-2.74		
46.098	70.310	-1.18	-2.21			60	1	17	1			.85	1.80	1.05			-1.72	-2.42		
46.065	70.417	-1.94	-2.48			60	0	17	1			.55	1.80	.65			-1.74	-2.37		
46.028	70.521	-1.56	-2.24			60	1	17	1			.40	1.90	.65			-1.42	-2.20		
45.992	70.626	-.95	-2.04			60	1	16	0			.70	1.90	.70			-1.43	-2.12		
45.956	70.731	-1.00	-2.05			60	2	6	1			.90	1.95	.85			-1.43	-2.14		
45.921	70.837		-2.25			58	4		3			1.00		.90			-1.38	-2.27		
45.890	70.944		-1.86			58	4		3			.90		.75			-1.20	-2.00		
45.859	71.052	-4.91	-1.97			57	5	20	3			.85	1.00	.70			-.92	-1.84		
45.829	71.160	-.77	-2.02			56	8	20	4			1.05	1.00	.70			-1.31	-2.11		
45.799	71.269	-.86	-1.97			55	9	20	4			1.25	1.05	.70			-1.43	-2.17		
45.769	71.376	-.73	-1.87			55	9	19	4			1.30	1.00	.75			-1.15	-2.09		
45.739	71.485	-.45	-1.07			56	9	18	4			1.35	.80	.70			-1.02	-1.82		
45.709	71.595	-.46	-1.70			56	9	17	4			1.30	1.00	.80			-.82	-1.84		
45.674	71.725	-.23	-1.65			57	8	16	3			1.30	1.00	1.00			-.59	-1.74		
45.648	71.817	.17	-1.03			57	9	17	3			1.30	.95	.80			-.18	-1.19		
45.619	71.925	.25	-1.16			57	8	15	2			1.30	1.20	.65			-.11	-1.26		
45.590	72.034	-.09	-1.49			58	8	14	1			1.30	1.30	.65			-.75	-1.73		

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 1

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
45.562	72.141	-.21	-1.55			58	8	13	1			1.25	1.30	.40			-.68	-1.68		
45.532	72.248	-.93	-2.00			58	8	13	1			1.30	1.10	.70			-.49	-1.69		
45.494	72.371	-.07	-.80			57	10	13	1			1.30	1.00	.45			-.72	-1.43		
45.469	72.459	-.30	-.95			58	9	12	1			1.30	1.24	.58			-.55	-1.47		
45.435	72.583	-.70	-1.81			58	10	12	2			1.30	1.30	.65			-.45	-1.60		
45.406	72.688	-.15	-1.53			58	10	11	1			1.30	1.34	.70			-.56	-1.64		
45.373	72.812	-.29	-1.41			57	12	13	2			1.30	1.55	.70			-.70	-1.69		
45.350	72.899	-1.06	-1.83			56	13	13	2			1.30	1.75	.70			-.73	-1.59		
45.318	73.025	-.49	-1.48			53	16	15	5			1.30	1.56	.70			-.80	-1.61		
45.284	73.147	-.53	-1.94			54	16	15	5			1.30	1.45	.70			-.66	-1.40		
45.256	73.255	-1.13	-1.24			54	15	13	4			1.30	1.30	.57			-.64	-1.32		
45.227	73.362	-.01	-.79			55	14	12	3			1.30	1.30	.60			-.51	-1.05		
45.196	73.487	-.44	-1.23		.41	56	13	11	2			1.30	1.30	.70			-.18	-.90		
45.163	73.611	.05	-.43		1.16	55	15	12	3		-7	1.30	1.30	.70		2.00	-.44	-.85		
45.136	73.718	-.26	-.99		.56	56	14	11	2		-8	1.30	1.30	.53		2.07	-.66	-1.12		
45.104	73.843	-.16	-.38		1.23	57	13	10	1		-8	1.30	1.30	.40		1.65	-.48	-.82		
45.078	73.950	-.22	-.75		.61	57	14	10	1		-8	1.30	1.40	.65		1.75	-.54	-.80		
45.050	74.057	-.09	-.62		.66	56	15	10	1		-7	1.39	1.34	.83		1.64	-.38	-.75		
45.023	74.165	-.40	-.72		.64	56	16	9	1		-7	1.30	1.50	.80		1.35	-.75	-.76		
44.994	74.289	.01	-.21		.68	56	17	10	0		-6	1.50	1.60	.55		1.30	-.23	-.40		
44.970	74.397	.21	-.28		.96	56	18	9	-1		-6	1.60	1.70	.33		1.25	-.12	-.52		
44.946	74.503	.51	-.09		1.03	57	18	9	-2		-6	1.60	1.55	.45		1.20	.08	-.21		
44.923	74.611	.20	-.12		1.07	58	18	7	-3		-7	1.60	1.54	.46		1.12	.04	-.38		
44.846	74.644	1.77	.72		.61	56	19	8	-4		-6	1.78	1.30	.46		1.36	1.50	2.08		
44.773	74.574	1.40	1.12		.90	55	19	8	-2		-4	1.75	1.30	.48		1.60	1.11	.77		
44.710	74.523	1.43	1.13		.85	55	19	8	-1		-5	1.30	1.15	.13		1.65	.98	.54		
44.621	74.447	1.06	.47		.78	56	18	5	-1		-8	1.30	.85	.27		1.60	1.14	.74		
44.547	74.377	1.55	.99		.43	55	20	6	0		-8	1.47	.70	.29		1.30	1.60	.88		
44.462	74.290	1.63	1.29		.85	55	19	6	0		-8	1.45	.65	.40		1.10	1.27	.88		
44.389	74.216	1.16	.41		.92	54	20	7	1		-8	1.30	1.00	.45		1.40	.93	.42		
44.313	74.237	.54	-.36		1.20	55	20	6	-0		-9	1.30	1.00	.13		1.60	.49	-.52		
44.240	74.288	.93	.06		1.00	55	20	5	-1		-8	1.09	.83	-.30		1.64	.66	-.16		
44.167	74.339	1.36	.39		.86	56	19	4	-1		-10	1.25	.95	-.30		1.75	1.22	.45		
44.095	74.391	1.11	.05		.98	56	20	2	-1		-9	1.30	.85	-.40		1.85	1.26	.58		
44.022	74.442	2.14	1.85		1.38	57	20	1	-2		-9	1.30	1.00	.08		1.60	1.89	1.39		
43.938	74.504	1.73	.87		1.78	58	20	-1	-2		-10	1.55	1.30	.33		1.60	1.43	.81		
43.867	74.560	1.38	1.13		1.24	56	23	-0	-0		-8	1.60	1.00	.34		1.56	1.37	.96		
43.787	74.633	1.31	1.02		1.74	58	22	-4	-3		-9	1.70	.70	.27		1.85	1.06	.62		
43.719	74.694	1.04	.69		1.28	59	21	-6	-3		-10	1.60	.03	.27		1.85	.61	.44		
43.662	74.746	.65	.65		1.18	58	23	-5	-1		-8	1.90	-.30	-.15		1.15	.62	.28		
43.579	74.809	1.30	.94		1.18	59	23	-6	-2		-9	2.16	-.11	-.43		.79	1.37	.92		
43.488	74.861	1.47	.48		1.33	61	22	-8	-3		-10	2.20	.07	-.65		.32	1.01	.42		
43.413	74.903	1.63	.84		1.20	62	22	-10	-4		-10	2.20	.27	-.25		-.05	1.61	.91		
43.336	74.947	1.80	1.04		1.17	62	23	-11	-4		-9	2.40	.50	-.25		0.00	1.55	.92		
43.261	74.992	2.05	1.10		1.30	64	22	-14	-5		-10	2.50	1.10	-.20		.15	2.16	1.25		
43.188	75.042	2.52	1.29		1.31	64	22	-14	-3		-10	2.50	.90	.07		.20	2.39	1.27		
43.116	75.093	2.16	1.21		1.40	64	22	-15	-2		-10	2.50	.13	.40		.80	2.56	1.44		
43.047	75.151	2.54	1.20		1.47	65	22	-16	-3		-11	2.35	-.15	.45		1.05	2.22	1.05		
43.025	75.229	2.38	.56		1.39	66	21	-17	-4		-12	2.05	-.35	.80		.55	2.86	.94		

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 1

REFERENCE		ONI-7000#1															TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.025	75.350	2.88	1.52		1.42	68 b	20	-18 b	-6 b		-14 b	2.20	-.09	.44		.49	2.70	1.23		
43.028	75.476	2.69	.99		1.38	69	20	-18	-7		-15	2.37	.06	.49		.74	2.97	1.30		
43.049	75.573	3.13	1.10		1.45	70	19	-19	-8		-16	2.50	.13	.40		.95	3.33	1.36		
43.091	75.677	3.11	1.59		1.46	70	21	-18	-8		-15	2.50	.70	.45		.80	3.12	1.30		
43.124	75.759	2.85	.93		1.58	70	21	-18	-8		-14	2.52	.70	.80		.70	2.89	1.21		
43.119	75.856	2.53	1.14		2.16	70	21	-18	-8		-14	2.20	.70	.55		.85	2.04	.74		
43.116	75.945	2.13	.29		1.61	71	22	-18	-9		-14	2.50	1.05	.80		.90	2.15	.39		

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 2

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATN NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.096	76.226	2.43	.63		1.64	64	31	-11	-2		-7	3.20	.80	1.20		1.00	2.68	.50		
43.111	76.295	2.91	.54		3.25	68	28	-15	-6		-11	3.70	.13	1.25		1.35	3.13	1.04		
43.134	76.377	3.94	1.74		1.88	67	29	-14	-5		-9	3.70	.08	1.30		1.25	4.17	1.80		
43.155	76.466	3.71	1.69		2.04	66	31	-13	-4		-8	3.50	.37	1.20		1.30	4.34	1.92		
43.153	76.553	2.90	1.46		1.86	68	29	-15	-7		-10	3.30	.85	.95		1.25	3.16	1.39		
43.148	76.639	2.60	1.14		1.80	68	30	-15	-7		-10	3.45	.45	1.00		1.15	2.58	1.09		
43.148	76.727	2.97	1.20		1.95	69 b	29	-16	-8		-11	3.80	.70	1.10		1.15	3.36	1.49		
43.147	76.821	2.66	1.42		1.97	70	28	-17	-9		-12	3.80	.75	1.15		1.30	2.39	1.02		
43.148	76.914	2.89	1.17		2.00	71	27	-18	-10		-13	3.80	.85	1.25		1.30	2.94	1.35		
43.149	77.007	3.10	1.70		2.21	69	29	-16	-8		-10	3.80	.65	1.30		1.35	3.22	1.59		
43.150	77.100	3.05	1.50		2.26	70	28	-17	-10		-11	3.80	.38	1.25		1.30	3.07	1.58		
43.148	77.193	2.97	1.64		3.02	69	28	-16	-9		-10	3.60	.45	1.05		1.45	3.03	1.58		
43.147	77.286	2.96	1.41		2.90	71	26	-18	-11		-12	3.50	.60	1.15		1.75	3.21	1.65		
43.146	77.379	2.74	1.42		2.23	70	26	-17	-10		-11	3.50	.02	1.05		1.60	2.93	1.53		
43.146	77.472	2.54	1.50		3.16	69	26	-16	-10		-10	3.50	.13	1.00		1.50	2.73	1.49		
43.145	77.566	2.37	1.24		3.29	69	25	-16	-10		-10	3.50	.70	.85		1.30	2.46	1.37		
43.145	77.660	2.18	1.23		2.53	69	25	-16	-10		-10	3.50	1.30	.75		1.30	2.44	1.38		
43.158	77.751	2.80	1.36		2.89	70	23	-17	-11		-11	3.50	1.15	.95		1.40	2.79	1.49		
43.183	77.838	2.55	1.28		2.77	68	25	-15	-9		-8	3.40	1.05	1.05		1.40	2.74	1.47		
43.207	77.927	2.42	1.36		3.24	69	22	-16	-11		-9	3.20	.90	1.00		1.15	2.59	1.44		
43.220	78.015	2.62	1.35		2.57	69	22	-16	-11		-9	3.20	1.30	1.00		1.25	2.73	1.54		
43.237	78.106	2.39	1.38		1.28	69	21	-15	-11		-8	3.20	1.15	.80		1.25	2.63	1.57		
43.260	78.193	2.29	1.38		.90	68	22	-14	-10		-7	3.20	.60	.85		1.25	2.39	1.54		
43.299	78.270	2.00	1.34		2.14	65	24	-11	-7		-4	3.20	.43	.75		1.45	2.21	1.47		
43.340	78.345	1.81	1.30		1.42	63	26	-9	-5		-2	3.20	.70	.75		1.30	2.02	1.50		
43.367	78.430	c	1.29	3.29	1.49	59	29	c	-2		3	3.20	c	1.15		1.00	1.95	1.49		
43.378	78.523		1.33	3.53	2.07	57	31		0	-4	5	3.05		1.20	1.30	1.10	1.73	1.41		
43.386	78.615		1.25	3.20	1.44	56	32		2	-3	7	3.20		1.05	1.25	1.45	1.68	1.41		
43.397	78.710		1.28	3.29	1.52	55	32		2	-2	7	3.20		.70	1.40	1.60	2.72	1.08		
43.408	78.804		1.26	3.33	1.82	54	32		3	-1	8	3.20		.70	1.10	1.50				
43.429	78.890		1.29	3.40	1.64	55	31		1	-2	7	3.15		.60	1.25	1.70				
43.473	78.956		1.44	3.15	2.18	53	32		3	0	10	2.90		.55	1.65	1.65				
43.515	79.020		1.17	3.35	1.62	54	32		3	-1	10	3.10		1.05	1.30	1.40				
43.560	79.087		1.12	3.14	.94	53	32		3	-0	10	3.20		1.00	.95	1.30				
43.604	79.163		1.21	3.14	1.45	54	31		2	-1	9	3.20		.80	.45	1.45				
43.647	79.240		1.12	3.00	.91	54	30		2	-1	9	3.20		.75	.50	1.30				
43.697	79.315		1.21	2.88	1.39	54	30		1	-1	9	3.05		.55	.33	1.55				
43.749	79.386		1.21	2.95	1.80	54	30		2	-1	10	2.90		.50	-.03	1.30				
43.799	79.459		1.17	3.12	1.75	54	30		2	-1	10	3.10		.32	.58	1.15				
43.846	79.537		1.16	2.92	2.22	54	29		1	-2	9	3.20		.70	1.00	1.25				
43.895	79.611		1.07	3.19	1.76	54	28		1	-2	9	3.20		1.15	.75	1.40				
43.942	79.688		1.12	2.88	2.18	55	27		-0	-3	8	3.00		1.25	.45	1.30				
43.990	79.766		1.27	2.68	1.94	56	26		-2	-4	7	3.15		1.00	.75	1.30				
44.037	79.843		1.22	2.61	1.58	55	27		-1	-3	8	2.90		.50	.85	1.25				
44.086	79.914		1.14	2.25	-.24	55	26		-2	-4	8	2.90		.02	.85	1.20				
44.139	79.992		1.12	2.66	1.04	55	27		-2	-4	9	2.90		-.50	.05	1.10				
44.184	80.069		1.14	2.64	1.13	54	26		-1	-3	9	2.90		-.80	-.35	1.00				
44.225	80.154		1.13	2.62	.29	56	25		-3	-5	8	2.90		-.27	-.02	1.00				
44.266	80.240		1.18	2.62	.41	55	25		-3	-5	8	2.90		-.20	.40	1.15				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 2

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS			ATM NOISE	SNR dB					ECD uS						TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
44.307	80.325		1.19	2.41	.65	54	25		-2	-5	9	2.90		-.55	.20	1.45				
44.347	80.411		1.14	2.52	.76	55	24		-3	-6	8	2.90		-.85	.13	1.45				
44.389	80.497		1.13	2.51	1.07	54	24		-3	-5	9	2.70		-.80	.05	1.45				
44.432	80.583		1.21	2.34	.72	54	24		-3	-5	9	2.50		-.80	-.45	1.60				
44.481	80.661		1.12	2.23	.53	55	22		-4	-6	8	2.45		-.85	-.35	1.60				
44.531	80.739		1.23	2.38	1.23	55	22		-4	-6	8	2.50		-.55	-.60	1.45				
44.581	80.818		1.03	2.23	.87	54	23		-4	-5	9	2.50		-.25	-.40	1.15				
44.629	80.899		1.04	2.32	.48	54	23		-3	-5	9	2.77		-.15	-.55	1.15				
44.679	80.980		.93	2.65	1.58	54	23		-4	-5	9	2.83		.13	-.80	1.00				
44.727	81.060		.92	2.44	.73	55	22		-5	-7	8	2.90		.27	-.70	1.00				
44.776	81.141		.92	2.46	.59	56	21		-6	-8	8	2.90		-.30	-.50	1.05				
44.825	81.223		1.03	2.39	1.06	55	22		-5	-8	9	2.90		-.30	-.35	1.35				
44.869	81.309		.89	2.25	.24	54	22		-5	-7	10	2.90		-.25	-.75	1.35				
44.912	81.392		1.05	1.82	-.53	54	21		-6	-7	10	2.50		-.60	-.60	1.60				
44.960	81.477		1.00	1.76	-.67	54	20		-6	-6	10	2.35		-.55	-.25	1.55				
45.012	81.557		.86	1.92	-.74	53	21		-6	-5	11	2.45		-.60	-.40	1.55				
45.059	81.643		.81	2.02	-.34	53	21		-6	-5	11	2.50		-.48	-.42	1.60				
45.106	81.728		.88	2.04	-.30	52	22		-5	-4	12	2.50		-1.00	-.90	1.60				
45.153	81.813		.98	1.90	-.51	53	21		-6	-5	11	2.50		-1.40	-.70	1.55				
45.204	81.892		1.06	2.04	-.13	53	21		-7	-6	11	2.50		-1.45	-.60	1.70				
45.255	81.969		1.00	2.09	-.05	52	21		-6	-4	12	2.50		-1.50	-.45	1.70				
45.303	82.050		.99	2.13	.07	54	19		-9	-7	10	2.50		-1.60	-.50	1.55				
45.348	82.134		.99	2.24	-.01	53	20		-8	-6	11	2.50		-1.70	-.95	1.45				
45.392	82.218		.98	2.22	.21	52	20		-7	-5	12	2.50		-1.80	-1.15	1.60				
45.438	82.303		.97	2.03	-.14	53	19		-8	-6	11	2.20		-2.00	-1.20	1.55				
45.485	82.385		1.01	1.69	-.08	52	19		-8	-5	12	2.20		-2.48	-1.20	1.40				
45.531	82.469		.95	1.69	-.32	52	19		-8	-5	12	2.20		-2.55	-1.15	1.55				
45.574	82.555		.75	2.01	-.09	53	19		-9	-6	12	2.20		-2.75	-.85	1.50				
45.614	82.642		.69	1.99	-.05	53	18		-10	-7	11	2.20		-2.90	-.55	1.60				
45.656	82.729		.80	1.87	.19	52	19		-9	-6	12	2.20		-3.10	-.60	1.55				
45.697	82.816		.85	1.90	.06	52	19		-9	-6	12	2.35		-3.15	-.85	1.60				
45.738	82.904		.91	1.92	.15	53	17		-11	-7	11	2.25		-3.35	-.75	1.55				
45.776	82.993		.96	1.83	.25	52	18		-10	-7	12	2.30		-3.40	-1.00	1.40				
45.816	83.083		.93	1.68	.18	52	18		-11	-7	12	2.20		-3.65	-1.00	1.55				
45.854	83.173		1.03	1.81	.20	52	18		-11	-7	12	2.32		-4.00	-.96	1.48				
45.895	83.261			1.81	.26	52	18			-7	12	2.50			-.60	1.60				
45.935	83.352			1.76	.76	51	18			-6	13	2.30			-.60	1.60				
45.977	83.440			2.00	.87	51	18			-6	13	2.20			-.55	1.60				
46.022	83.526			1.74	.92	51	17			-7	12	2.25			-.60	1.70				
46.074	83.606			1.78	.81	51	17			-7	12	2.20			-.60	1.60				
46.122	83.689			2.13	.94	51	17			-7	12	2.25			-.65	1.55				
46.166	83.776			2.39	1.16	50	18			-6	13	2.20			-.85	1.30				
46.208	83.866			2.21	.91	51	17			-7	12	2.20			-1.25	1.55				
46.248	83.959			2.37	1.52	51	16			-7	12	2.20			-1.50	1.60				
46.289	84.052			2.45	1.77	51	16			-7	12	2.25			-1.50	1.60				
46.330	84.143			2.05	1.70	52	16			-8	12	2.25			-1.50	1.60				
46.372	84.228			1.43	-.48	51	16			-8	12	2.20			-1.70	1.85				
46.409	84.319			1.58	-.26	52	14			-9	11	2.20			-1.80	1.80				
46.420	84.427			1.72	-.17	52	14			-9	11	1.80			-1.80	1.25				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 2

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.418	84.534			1.39	-.67	52	14			-9	12	2.25			-1.80	1.80				
46.430	84.641			1.70	-.46	52	14			-10	12	2.35			-1.80	1.70				
46.441	84.749			1.77	-.68	52	14			-10	11	2.15			-1.90	1.50				
46.448	84.857			2.02	-.63	52	14			-10	11	1.70			-2.10	1.00				
46.454	84.965			2.01	-.67	52	13			-10	12	1.75			-2.10	1.30				
46.460	85.074			2.08	-.40	52	13			-10	12	1.60			-2.50	1.35				
46.467	85.183			2.17	-.57	51	13			-9	12	1.60			-2.50	1.50				
46.467	85.292			2.10	-.73	52	13			-10	12	2.05			-2.50	1.60				
46.470	85.400			1.97	-.55	53	12			-11	11	2.35			-2.50	1.50				
46.472	85.509			2.16	-.62	53	12			-11	11	2.50			-2.70	1.60				
46.472	85.617			2.15	-.44	52	13			-10	11	2.45			-2.80	1.35				
46.476	25.726			2.25	-.70	53	11			-11	10	2.20			-2.80	1.00				
46.480	85.835			1.97	-.71	53	10			-12	10	2.25			-2.80	1.10				
46.484	85.947			2.41	-.97	53	11			-12	11	2.10			-2.80	1.10				
46.483	86.057			2.33	-1.22	52	11			-11	12	1.90			-2.80	1.15				
46.480	86.165			2.38	-.88	52	11			-11	12	2.00			-2.80	1.30				
46.479	86.276			2.06	-1.36	52	11			-11	12	2.15			-2.80	1.30				
46.479	86.387			1.86	-.89	53	9			-12	11	2.20			-3.10	1.40				
46.477	86.498			1.82	-1.04	53	9			-12	11	2.20			-3.10	1.60				
46.476	86.608			1.80	-.90	53	9			-12	11	2.25			-3.10	1.60				
46.483	86.716			1.79	-.70	53	9			-12	10	2.50			-3.10	1.60				
46.496	86.823			2.19	-.91	53	9			-13	11	2.30			-3.10	1.50				
46.509	86.929			2.20	-.78	53	8			-13	11	2.15			-3.10	1.45				
46.520	87.037				-1.06	52	9				11	2.20				1.30				
46.530	87.144				-.68	52	9				11	2.15				1.25				
46.532	87.251				-.50	55	7				9	1.95				1.00				
46.530	87.360				-.90	55	6				8	2.00				1.05				
46.528	87.468				-1.10	53	8				9	1.90				.90				
46.526	87.579				-.82	50	10				12	1.90				.95				
46.528	87.689				-.86	52	7				10	1.95				1.10				
46.533	87.798				-.47	52	7				10	2.10				1.25				
46.537	87.908				-.62	52	7				10	2.05				1.00				
46.542	88.017				-.63	52	6				9	1.90				.80				
46.547	88.127				.10	52	6				10	1.50				.80				
46.552	88.237				-.22	52	5				10	1.60				1.05				
46.556	88.346				-.03	52	4				10	1.05				1.00				
46.555	88.456				-.32	52	4				10	.65				1.10				
46.554	88.564				-.00	52	4				10	.55				1.25				
46.554	88.673				.14	51	4				10	.07				1.05				
46.552	88.782				.34	52	4				9	.40				1.00				
46.543	88.889				.01	52	4				9	.80				1.00				
46.535	88.997				.36	52	5				9	1.00				1.00				
46.527	89.104				.46	51	5				10	.90				1.15				
46.519	89.212				.02	53	3				8	1.00				1.05				
46.512	89.319				.25	52	4				10	.60				1.15				
46.515	89.426				-.00	51	4				10	.50				1.35				
46.521	89.535				-.20	52	3				9	.33				1.05				
46.526	89.643				.04	51	4				10	.07				1.00				
46.529	89.751				.53	51	4				10	-.55				.80				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 2

REFERENCE							DNI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.533	89.859				.80	51	3				11	-.50				1.05				
46.537	89.969				.89	51	3				11	-.85				1.20				
46.540	90.071				-.32	52	1				10	-.75				1.20				
46.546	90.179				-.51	51	2				10	-.85				1.30				
46.551	90.287				-.27	51	2				10	-.95				.95				
46.560	90.396				-.48	51	2				9	-1.00				.95				
46.577	90.502				-.58	52	0				8	-1.05				1.20				
46.594	90.606				-.67	51	1				9	-1.20				1.40				
46.610	90.714				-.52	51	1				10	-1.44				1.42				
46.632	90.819				-.98	71 d	-19 d				-10 d	-1.50				1.30				
46.648	90.926				-1.15	73	-22				-13	-1.50				1.25				
46.658	91.034				-1.15	66	-17				-8	-1.80				.70				
46.666	91.142				-.41	60	-11				-0	-1.85				.22				
46.678	91.243				-.04	55	-5				4	-2.17				-.15				
46.690	91.346				-.25	54	-4				6	-2.10				.43				
46.695	91.449				-.25	53	-3				8	-2.10				1.05				
46.705	91.550				.44	53	-2				8	-2.10				1.36				
46.728	91.644				.39	54	-3				7	-2.10				1.45				
46.758	91.735				.45	54	-3				7	-2.10				1.35				
46.789	91.814				.23	54	-3				7	-2.58				1.15				
46.820	91.882				-.42	54	-5				6	-2.80				1.35				
46.838	91.947				-.57	54	-5				6	-2.75				1.10				
46.833	91.987				-.09	54	-5				6	-2.80				1.20				
46.834	92.038				-.37	54	-5				6	-2.80				1.15				
46.835	92.088				-.76	53	-3				8	-2.80				1.25				

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WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 3

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.848	92.291				-1.81	46	5				14	2.50				1.90				
46.862	92.365				-1.91	47	5				14	2.40				1.90				
46.880	92.434				-1.44	46	5				14	2.20				1.90				
46.902	92.506				-1.32	46	5				14	2.20				1.90				
46.925	92.581				-1.20	43	7				16	2.25				1.70				
46.946	92.657				-1.20	44	7				16	2.20				1.60				
46.968	92.738				-1.23	44	6				15	2.20				1.60				
46.986	92.828				-1.09	45	5				14	2.30				1.60				
47.002	92.929				-1.18	45	6				15	2.35				1.85				
47.021	93.033				-1.24	46	4				13	2.40				1.90				
47.052	93.135				-1.28	44	6				15	2.25				1.90				
47.084	93.238				-1.18	46	4				13	2.50				1.90				
47.118	93.339				-1.21	46	4				13	2.50				1.85				
47.153	93.441				-1.23	46	4				13	2.50				1.60				
47.188	93.541				-1.08	45	4				13	2.50				1.60				
47.221	93.640				-1.15	45	4				13	2.50				1.40				
47.255	93.738				-1.17	45	5				14	2.50				1.30				
47.287	93.834				-1.09	44	5				14	2.70				1.30				
47.313	93.933				-1.20	45	4				13	2.90				1.30				
47.339	94.031				-1.19	46	2				11	2.90				1.30				
47.363	94.131				-1.08	45	3				12	2.77				1.40				
47.377	94.230				-1.04	47	1				10	2.50				1.30				
47.392	94.329				-1.06	48	1				10	2.50				1.30				
47.410	94.426				-1.25	48	-0				10	2.10				1.50				
47.432	94.527				-1.08	48	-1				9	1.60				1.40				
47.459	94.626				-1.07	49	-3				7	1.35				1.35				
47.487	94.724				-1.35	48	-3				8	.85				1.40				
47.518	94.840				-1.26	49	-4				7	-.35				1.80				
47.541	94.923				-1.73	49	-5				7	-1.05				1.95				
47.563	95.025				-1.58	50	-6				5	-.60				1.95				
47.579	95.129				-1.84	52	-8				3	-.15				2.15				
47.594	95.233				-1.89	51	-7				4	.27				2.05				
47.609	95.337				-1.84	50	-6				5	.95				2.00				
47.625	95.441				-1.80	51	-6				4	1.55				1.85				
47.644	95.547				-2.17	51	-5				5	2.40				1.90				
47.667	95.645				-2.40	51	-5				4	2.70				2.00				
47.687	95.750				-2.56	51	-5				3	3.35				2.00				
47.706	95.855				-2.34	51	-5				3	3.75				2.15				
47.727	95.959				-2.23	51	-5				3	4.20				1.70				
47.751	96.065				-2.20	51	-5				3	4.80				1.35				
47.777	96.168					50	-3				4	5.40				1.45				
47.804	96.272					51					3					1.65				
47.828	96.378				-22.64 a	50	9 a				3	2.20				1.50				
47.849	96.483				-22.85	50	9				3	2.20				1.35				
47.868	96.589				-22.56	50	9				2	2.44				1.60				
47.887	96.697				-22.67	50	8				2	1.85				1.20				
47.902	96.804				-22.62	51	7				1	1.60				.80				
47.912	96.911				-22.62	51	7				1	1.60				.90				
47.923	97.018				-22.87	51	7				1	1.55				.85				

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WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 3

REFERENCE		ONI-700#1															TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
47.933	97.125					52	6				0	1.30				.70				
47.945	97.233																			
47.956	97.336																			
47.969	97.443																			
47.981	97.550																			
47.993	97.657																			
48.004	97.763																			
48.014	97.854																			
48.071	98.441																			
48.086	98.591				-22.81 a	51	6				-1	2.12				.03				
48.096	98.702				-22.92	51	6				-1	2.05				-.08				
48.112	98.890				-22.81	51	6				-1	2.20				.08				
48.121	99.002				-22.73	49	8				1	2.15				.43				
48.128	99.078				-23.31	49	8				1	1.90				-.30				
48.138	99.263				-23.24	49	8				1	1.96				-.96				
48.143	99.376				-23.44	48	8				2	1.90				-.90				
48.145	99.471				-23.35	49	7				1	1.82				-.82				
48.155	99.602				-23.28	49	7				1	1.70				-.75				
48.166	99.714				-23.29	48	8				1	1.75				-.65				
48.175	99.826				-23.29	49	8				1	1.60				-.53				
48.193	100.013				-23.24	50	5				-1	1.60				-.75				
48.206	100.320				-23.25	50	5				-1	1.90				-.98				
48.208	100.398					50	5				-1	1.90				-1.20				
48.237	101.013																			
48.245	101.127																			
48.254	101.241																			
48.263	101.355																			
48.268	101.470																			
48.267	101.582																			
48.269	101.699																			
48.272	101.817																			
48.270	101.932																			

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WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 4

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

Entire segment-h

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 5

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
44.372	100.250																			
44.369	100.031																			
44.334	99.914																			
44.303	99.796																			
44.268	99.674																			
44.234	99.555					54					2					1.00				
44.198	99.435				-1.69	55	-12				2	2.20				1.00				
44.162	99.316				-1.67	54	-12				3	2.10				.80				
44.126	99.199				-1.13	54	-12				3	1.95				.60				
44.083	99.060				-1.07	54	-12				3	1.90				.80				
44.053	98.961				-1.91	54	-12				4	1.95				.60				
44.017	98.841				-1.76	54	-12				4	1.90				.70				
43.975	98.700				-1.86	54	-12				4	1.90				.57				
43.939	98.581				-1.69	53	-11				5	1.90				.75				
43.897	98.439				-.95	54	-12				5	1.90				.85				
43.868	98.336				-1.68	54	-12				5	1.82				.35				
43.822	98.174				-1.55	53	-11				6	1.68				.55				
43.794	98.075				-1.03	54	-12				5	1.60				1.00				
43.775	97.926				-1.59	53	-11				6	1.60				1.00				
43.766	97.800				-1.93	54	-12				6	1.60				.90				
43.750	97.653				-1.85	54	-11				6	1.60				.45				
43.738	97.523				-1.18	53	-10				7	1.60				.75				
43.726	97.418				-1.36	54	-11				6	1.54				1.00				
43.715	97.312				-1.35	54	-11				8	1.30				1.00				
43.653	96.779				-1.87	54	-10				8	1.00				1.30				
43.648	96.627				-1.98	54	-9				8	.70				1.30				
43.644	96.473				-1.97	54	-9				8	.27				1.25				
43.646	96.344				-1.91	54	-9				8	-.05				1.50				
43.647	96.214				-1.80	54	-9				8	-.30				1.05				
43.649	96.082				-1.72	55	-10				8	-.30				1.13				
43.652	95.929				-1.91	55	-9				8	-.30				1.30				
43.654	95.775				-1.80	54	-8				9	-.30				1.15				
43.653	95.641				-1.94	55	-9				9	-.30				1.30				
43.655	95.514				-1.89	55	-8				9	-.65				1.40				
43.656	95.381				-1.82	55	-8				9	-.73				1.21				
43.657	95.227				-1.75	55	-8				9	-.90				1.09				
43.660	95.073				-1.88	55	-8				9	-1.10				1.00				
43.661	94.940				-1.26	55	-8				10	-1.15				1.30				
43.663	94.806				-1.81	54	-6				11	-1.20				1.26				
43.665	94.649				-.70	55	-7				11	-1.30				1.20				
43.667	94.514				-1.79	55	-7				10	-1.50				1.30				
43.670	94.379				-1.90	55	-7				11	-1.50				1.13				
43.683	94.223				-1.87	55	-7				11	-1.50				1.20				
43.694	94.089				-1.71	55	-6				12	-1.50				1.20				
43.705	93.954				-1.62	55	-6				11	-1.50				1.25				
43.713	93.822				-1.04	54	-5				12	-1.50				1.30				
43.719	93.660				-1.83	53	-4				13	-1.50				1.30				
43.724	93.526				-1.87	54	-5				13	-1.60				1.10				
43.729	93.391				-2.00	54	-4				13	-1.76				1.21				

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WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 5

REFERENCE							ONI-70008											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS						TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.737	93.256				-1.89	55	-5				12	-1.80				1.15				
43.749	93.098				-1.82	55	-5				12	-1.80				1.30				
43.760	92.963				-1.86	55	-4				12	-1.93				1.21				
43.769	92.812				-1.30	54	-3				13	-2.05				1.10				
43.780	92.679				-1.37	55	-4				14	-1.95				1.30				
43.783	92.544				-1.26	55	-4				13	-2.00				1.15				
43.765	92.413				-1.12	55	-4				13	-1.80				1.20				
43.744	92.282				-1.34	54	-3				14	-1.80				1.30				
43.716	92.152				-.79	54	-2				14	-1.80				1.30				
43.688	92.003				-1.42	55	-3				14	-1.80				1.25				
43.664	91.875				-1.50	54	-2				14	-1.80				1.09				
43.633	91.723				-.73	56	-4				12	-1.70				1.30				
43.610	91.596				-1.47	56	-3				14	-1.50				1.30				
43.587	91.463				-1.43	55	-2				14	-1.45				1.10				
43.562	91.335				-1.46	56	-3				13	-1.20				1.21				
43.533	91.188				-1.51	55	-2				14	-1.20				1.10				
43.511	91.082				-.75	55	-1				15	-1.20				1.25				
43.486	90.957				-.68	55	-0				15	-1.10				1.15				
43.456	90.809				-1.49	54	1				16	-.99				1.04				
43.426	90.660				-1.73	55	-0				15	-.65				1.00				
43.398	90.532				-1.75	55	1				15	-.17				1.17				
43.367	90.384				-2.11	55	1				16	.33				1.10				
43.341	90.257				-2.03	55	1				16	.40				1.10				
43.308	90.111				-1.67	56	1				15	.65				1.25				
43.285	89.987				-1.12	57	1				16	.65				1.00				
43.262	89.860				-2.12	56	2				16	.85				1.05				
43.238	89.733				-1.64	57	1				16	1.30				1.26				
43.210	89.585				-1.82	56	3				17	1.34				1.30				
43.182	89.436				-2.12	55	3				18	1.69				1.30				
43.159	89.289				-2.43	55	3				17	1.60				1.20				
43.151	89.180				-2.08	55	3				17	1.55				1.30				
43.140	89.027				-2.41	55	4				17	2.00				1.25				
43.130	88.897				-2.74	57	2				16	2.10				1.10				
43.127	88.746				-1.68	57	3				17	1.85				1.00				
43.125	88.612				-2.11	58	1				15	1.77				1.00				
43.122	88.482				-1.34	58	2				15	2.20				1.00				
43.120	88.352				-1.73	59	1				14	2.15				1.00				
43.119	88.200				-2.46	59	2				15	2.03				1.13				
43.123	88.046				-1.99	58	3				16	1.90				1.30				
43.129	87.916				-1.93	58	3				16	1.95				1.20				
43.132	87.807				-2.40	59	3				16	2.10				1.00				
43.136	87.655				-2.75	58	4				16	1.85				1.10				
43.140	87.525				-2.58	57	5				17	1.90				1.00				
43.146	87.373				-3.02	57	7				18	2.35				1.45				
43.151	87.243				-2.82	58	6				17	2.63				1.65				
43.155	87.137				-2.47	57	7				18	2.90				1.80				
43.160	87.008				-2.42	58	6				17	2.77				1.60				
43.165	86.879				-2.60	58	6				17	2.90				1.75				
43.172	86.748				-3.52	58	7				17	2.90				1.70				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 5

REFERENCE							ONI-70001													TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.181	86.596				-2.27	58	7				17	2.90				1.86				
43.184	86.446				-2.30	59	6				15	2.83				1.60				
43.184	86.318				-2.94	58	7				16	2.70				1.60				
43.184	86.189				-2.52	58	8				17	2.90				1.60				
43.186	86.062				-2.33	58	9				17	2.90				1.60				
43.189	85.937			1.73	-1.12	57	9			-8	17	2.90			2.67	1.77				
43.214	85.790			1.35	-.83	58	9			-10	17	2.90			2.90	1.85				
43.235	85.663			1.85	-.66	57	10			-9	17	2.90			2.63	1.75				
43.257	85.514			-.92	-1.84	56	11			-8	17	2.90			2.50	1.65				
43.278	85.387				-1.10	56	11				17	2.90				1.60				
43.297	85.255				-1.03	57	10				15	2.90				1.56				
43.323	85.108				-1.72	58	10				14	2.90				1.80				
43.343	85.002				-3.19	59	9				13	2.90				1.65				
43.372	84.859				-.67	59	9				13	2.90				1.60				
43.401	84.733				-1.38	58	11				14	2.90				1.69				
43.425	84.592				-.90	56	13				15	2.90				1.40				
43.417	84.477			1.49	-1.24	58	11			-8	13	3.00			.40	1.00				
43.415	84.367			1.54	-1.60	58	12			-8	13	3.11			.87	1.56				
43.412	84.251			1.78	-1.20	58	12			-8	13	3.25			1.35	1.70				
43.464	84.178			1.44	-1.42	58	12			-8	13	3.35			1.05	1.70				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 6

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG		TD BIAS uS			ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
43.451	83.925		1.53	1.89	-.19	54	17		-9	-2	17	2.90		-2.43	.27	1.90				
43.398	83.860		2.03	2.10	-.50	53	18		-8	-1	18	2.70		-2.50	.55	2.20				
43.355	83.786		1.53	1.76	-.66	55	16		-10	-3	16	2.83		-2.43	.75	2.20				
43.311	83.717		1.42	2.67	.58	54	17		-9	-2	17	3.05		-2.10	.70	2.00				
43.248	83.674		1.87	2.34	-.03	54	17		-9	-2	17	3.20		-1.80	.65	1.65				
43.182	83.630		1.95	3.23	.67	56	16		-10	-3	15	3.20		-1.80	.50	1.90				
43.113	83.583		1.61	2.32	-.23	55	17		-9	-2	16	3.20		-1.80	.58	1.90				
43.039	83.532		2.02	2.52	-.21	57	16		-10	-4	15	3.10		-1.80	.80	1.90				
42.963	83.470		1.60	1.94	-.71	57	16		-11	-4	14	2.90		-1.80	1.15	2.05				
42.891	83.401		1.49	2.24	-.28	57	16		-10	-3	14	2.90		-1.85	1.30	1.90				
42.816	83.328		1.42	2.15	-.35	57	17		-10	-3	15	2.95		-2.05	1.20	1.90				
42.744	83.255		1.42	1.99	-.53	57	16		-10	-3	14	3.20		-1.80	1.15	1.85				
42.671	83.181		1.43	2.84	-.28	56	18		-8	-1	16	3.20		-1.80	1.10	1.85				
42.598	83.105		1.39	2.36	-.68	55	19		-7	-1	17	3.20		-1.70	1.10	1.90				
42.525	83.033		1.30	1.93	-.67	55	19		-7	-0	17	3.20		-1.50	1.00	1.60				
42.448	82.968		1.25	1.96	-.70	55	19		-7	0	17	3.20		-1.30	1.25	1.60				
42.369	82.909		1.74	3.14	-.29	54	20		-6	1	18	3.20		-1.50	1.45	1.60				
42.288	82.849		1.40	2.63	-.45	55	19		-7	1	17	3.20		-1.50	1.55	1.80				
42.209	82.788		1.33	3.29	.12	55	20		-6	1	18	3.20		-1.40	1.30	1.75				
42.131	82.727		1.69	2.59	-.71	55	20		-7	2	18	3.20		-1.30	1.30	1.65				
42.051	82.667		1.36	2.19	-.52	56	19		-7	1	17	3.10		-1.20	1.30	1.75				
41.974	82.603		1.28	1.78	-.94	56	18		-8	1	16	2.90		-1.35	1.25	1.65				
41.895	82.542		1.30	2.01	-.43	56	19		-7	1	17	2.90		-1.25	1.35	1.60			2.85	-.28
41.816	82.480		1.40	2.59	-.26	57	17		-8	0	15	3.00		-1.40	1.25	1.60			2.66	-.47
41.735	82.427		1.91	2.80	-.83	57	18		-8	1	16	3.20		-1.30	1.30	1.60			2.36	-.73
41.654	82.373		1.69	2.31	-.73	57	18		-8	1	15	3.05		-1.30	1.40	1.60			2.71	-.49
41.577	82.306		1.65	2.21	-1.11	56	19		-7	2	16	2.90		-1.30	1.55	1.60			2.34	-.77
41.501	82.241		1.97	2.58	-.80	57	18		-8	1	15	3.10		-1.20	1.60	1.55			2.31	-.67
41.423	82.181		1.63	2.35	-.39	56	19		-7	2	16	3.20		-1.20	1.55	1.45			2.73	-.28
41.346	82.110		1.72	2.14	-.67	57	18		-8	1	14	2.92		-1.20	1.45	1.70			2.12	-.83
41.320	81.987		1.51	1.45	-1.75	58	17		-8	1	13	2.45		-.85	1.90	1.90			1.56	-1.39
41.295	81.860		1.41	1.46	-1.16	58	18		-8	1	14	2.70		-.95	1.75	1.60			1.69	-1.37
41.269	81.734		1.37	1.81	-.90	54	21		-4	5	17	2.90		-.55	1.45	1.45			1.87	-1.38
41.234	81.608		1.37	1.83	-1.71	54	21		-4	5	17	3.05		-.75	1.30	1.30			1.81	-1.90
41.194	81.488		1.22	1.31	-1.93	54	22		-4	5	17	3.20		-.85	1.55	1.40			1.50	-2.19
41.154	81.370		1.15	1.30	-1.89	55	21		-5	4	15	3.10		-.90	1.50	1.50			1.44	-2.05
41.124	81.247		.94	1.16	-1.99	57	19		-7	2	13	2.70		-1.00	1.55	1.60			1.22	-1.88
41.109	81.117		.81	.99	-2.00	56	21		-6	3	13	2.63		-1.10	1.60	1.60			.87	-2.16
41.113	80.984		.99	.53	-3.39	57	20		-6	2	12	2.63		-1.10	1.55	1.55			.97	-2.35
41.115	80.856		.86	.88	-2.55	56	21		-5	3	13	2.90		-1.05	1.30	1.45			1.03	-1.88
41.117	80.723		.75	.74	-2.37	56	22		-5	3	13	2.90		-.85	1.45	1.40			.99	-1.82
41.119	80.592		1.26	1.18	-1.86	54	24		-2	5	15	2.90		-.75	1.40	1.30			.82	-1.93
41.123	80.459		.61	.90	-1.80	54	24		-2	5	15	2.90		-.30	1.30	1.30			.98	-1.95
41.131	80.328		.66	1.43	-1.71	56	22		-4	3	12	2.90		-.40	1.40	1.30			1.17	-1.77
41.142	80.198		.68	.86	-2.19	56	22		-3	3	12	2.90		-.45	1.30	1.30			1.05	-1.79
41.150	80.067		.53	.80	-1.66	55	24		-2	4	12	2.90		-.55	1.10	1.30			.89	-1.37
41.157	79.937		.61	.45	-2.08	55	24		-2	4	12	2.90		-.30	1.20	1.30			.83	-1.10
41.158	79.804		.62	1.01	-.91	54	25		-1	5	13	3.00		.10	1.00	1.30			.95	-1.12
41.154	79.673		.72	1.01	-1.36	55	25		-1	5	12	3.05		.33	1.00	1.30			.96	-1.22

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 6

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS			ATM NOISE	SNR dB					ECD uS						TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.144	79.544		.51	.40	-2.00	55	25		-1	4	11	2.90		-.05	1.10	1.05			.57	-1.23
41.117	79.420		.53	1.51	-.23	54	25		-1	4	10	3.25		.55	1.05	1.00			2.47	.86
41.040	79.418		.60	2.05	.17	54	26		1	5	11	3.40		.70	.95	.90			2.12	.77
40.957	79.409		.19	1.41	-.18	56	24		-1	4	9	3.20		.45	1.20	1.30			1.61	.08
40.875	79.404		-.19	.89	.08	56	25		-1	5	10	3.20		.85	1.30	1.30			1.47	.12
40.798	79.413		-.21	1.25	.30	56	24		0	5	11	3.05		.80	1.30	1.25			1.26	.11
40.719	79.420		-.08	1.45	.10	56	24		1	5	11	2.63		.60	1.30	1.30			1.25	-.06
40.639	79.426		-.31	.69	.04	57	22		-1	4	9	2.90		.55	1.10	1.35			1.06	.15
40.556	79.415		-.16	1.09	-.01	56	24		1	5	11	2.77		.60	.90	1.70			1.09	.09
40.472	79.388		-.39	1.04	-.56	54	24		2	7	12	2.50		.70	1.15	1.60			1.05	-.13
40.390	79.358		-.30	1.00	-.54	55	23		1	6	11	2.50		.45	1.00	1.60			.73	-.51
40.306	79.342		-.58	1.16	-.21	54	24		2	7	12	3.08		.70	1.06	1.12			.78	-.42
40.225	79.349		-.24	1.07	-.40	56	21		-0	5	10	3.00		.55	1.10	1.00			.76	-.52
40.144	79.354		-.20	.39	-.75	54	23		2	7	12	2.57		.45	1.05	1.30			.72	-.70
40.060	79.352		-.31	.36	-.82	54	22		2	8	12	2.45		.07	1.10	1.50			.53	-.83
39.978	79.347		-.50	.20	-1.31	53	23		5	9	13	2.50		.25	1.25	1.25			-.02	-1.32
39.911	79.386		-.87	-.46	-1.24	54	21		4	8	11	2.50		1.20	1.25	.75			-.21	-.96
39.860	79.454		-.78	.56	-.36	55	20		3	7	11	2.50		1.30	1.30	1.00			.23	-.83
39.815	79.523		-.78	.09	-.86	56	19		2	6	10	2.50		1.30	1.25	1.20			-.05	-.97
39.772	79.598		-.58	.79	-.09	54	20		3	8	12	2.50		1.00	.95	1.20			.37	-.66
39.721	79.666		-.44	1.89	.82	54	20		3	8	13	2.35		.80	.70	1.40			1.81	.75
39.662	79.729		-.48	1.66	.67	53	21		4	9	14	2.20		.65	.70	1.60			2.08	1.09
39.607	79.789		-.56	1.24	.71	56	17		1	6	11	2.15		.65	.85	1.55			1.78	.89
39.550	79.846		-.20	1.81	.25	53	20		4	9	14	2.00		.60	.85	1.30			.93	-.46
39.475	79.875		-.12	.62	-.82	54	18		2	8	12	1.85		.45	.70	1.60			1.15	-.55
39.391	79.879		-.40	1.83	-.14	53	20		2	10	14	2.25		.40	.90	1.50			1.15	-.46
39.309	79.898		-.81	1.50	.13	54	20		-0	9	13	2.70		.40	1.00	1.35			1.05	-.17
39.232	79.927		-1.04	.88	.08	53	20		1	10	14	2.90		.55	1.05	1.30			1.06	.14
39.164	79.976		-.94	.95	-.01	52	21		1	12	15	2.90		.27	1.25	1.15			1.34	.32
39.098	80.028		-.84	1.56	.44	52	21		1	12	15	2.96		-.36	1.30	1.30			1.25	.19
39.028	80.068		-.85	.86	.02	53	20		0	11	14	3.05		-.30	1.10	1.60			.95	-.25
38.951	80.080		-.72	1.30	.17	52	20		1	12	15	2.70		-.50	.85	1.65			1.20	.10
38.895	80.123		-1.11	.73	.04	53	18		-1	10	14	2.15		.07	1.05	1.15			.74	.36
38.902	80.201		-.82	.50	-.85	53	18		-1	11	14	2.55		-.35	1.15	1.20			.48	-.13
38.900	80.282		-1.16	.62	.19	54	18		-2	11	14	2.63		-.55	1.00	1.30			.54	-.06
38.900	80.377		-1.06	.42	-.42	53	18		-1	11	14	2.50		-.60	1.20	1.30			.49	-.25
38.899	80.447		-1.11	.50	-.13	54	17		-2	10	13	2.40		-.20	1.00	1.25			.64	.05
38.892	80.529		-.86	.92	.31	52	19		-0	12	15	2.50		-.30	1.00	1.30			.92	.04
38.886	80.613		-.78	.81	.09	54	17		-2	10	14	2.40		-.50	1.00	1.30			.98	.33
38.879	80.695		-.67	1.19	.58	54	17		-2	10	14	2.20		-.50	1.00	1.30			1.16	.26
38.872	80.778		-.57	.98	.00	55	17		-3	10	14	2.20		-.50	1.00	1.30			1.26	.18
38.864	80.861		-.53	1.17	.63	54	17		-2	10	14	2.50		-.60	1.05	1.30			1.33	.13
38.854	80.944		-.54	1.08	-.04	55	16		-3	9	13	2.50		-.35	1.30	1.30			1.15	.18
38.845	81.027		-.55	.90	-.18	54	17		-3	10	15	2.50		-.03	1.30	1.30			.98	.10
38.828	81.110		-.66	1.07	.68	55	16		-4	10	15	2.45		-.55	1.15	1.30			1.12	.48
38.819	81.194		-.62	.87	.21	55	16		-4	10	15	2.50		-.80	1.20	1.30			1.10	.48
38.813	81.278		-.71	.88	.73	55	17		-4	10	16	2.50		-.85	1.30	1.30			1.10	.38
38.810	81.363		-.52	.86	.18	54	16		-3	10	16	2.50		-.72	1.30	1.30			.97	.38
38.815	81.449		-.73	.59	.59	54	16		-3	9	16	2.25		-.95	1.15	1.30			.56	.45

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 6

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.812	81.535		-.62	.91	.74	53	17		-3	10	17	2.45		-.95	.90	1.40			.74	.62
38.796	81.620		-.41	.95	.28	55	15		-5	8	15	2.50		-.96	.94	1.30			1.06	.59
38.776	81.703		-.48	.69	.03	54	17		-4	10	18	2.90		-1.05	1.30	1.30			.88	.45
38.764	81.788		-.48	.96	.58	54	16		-4	9	17	2.50		-.95	1.30	1.30			1.02	.35
38.760	81.874		-.41	.86	.60	55	16		-5	9	17	2.50		-1.15	1.30	1.30			.90	.29
38.757	81.961		-.27	1.00	.20	54	16		-4	9	17	2.50		-1.35	1.30	1.30			1.10	.27
38.755	82.049		-.21	.79	.26	55	15		-5	8	17	2.50		-1.55	1.30	1.30			1.00	.47
38.748	82.135		-.04	1.22	1.02	55	15		-5	8	17	2.63		-1.68	1.30	1.40			1.24	.77
38.728	82.220			.79	.57	54	16			9	18	2.90			1.30	1.45			.92	.33
38.711	82.306			.63	.65	54	16			9	18	2.57			1.30	1.30			.74	.45
38.703	82.390			.85	-.10	54	17			9	19	2.50			1.10	1.30			1.12	-.17
38.701	82.478			1.42	.76	56	15			7	17	2.50			1.20	1.30			1.48	.52
38.702	82.565			1.09	.64	55	14			7	17	2.50			1.10	1.30			1.37	.34
38.700	82.653			1.34	-.18	57	13			6	17	2.50			1.15	1.45			1.21	.17
38.680	82.736			1.66	.43	55	14			7	18	2.90			.80	1.60			1.51	-.38
38.655	82.822			1.09	-.68	55	14			7	18	2.70			1.00	1.30			1.39	-.45
38.639	82.908			.91	-.77	52	17			9	21	2.50			1.30	1.24			1.19	-.33
38.636	82.995			1.32	-.28	53	15			8	20	2.25			1.30	1.20			1.39	-.01
38.635	83.082			1.22	-.27	53	15			8	21	2.20			1.05	1.25			1.41	-.09
38.638	83.168			1.14	.60	53	15			8	21	2.20			1.15	1.30			1.36	-.26
38.645	83.253			1.41	.25	53	14			8	21	2.05			1.30	1.30			1.41	-.21
38.648	83.341			1.32	-.40	55	12			6	20	2.30			1.10	1.30			1.32	-.19
38.643	83.430			1.60	.37	55	13			6	21	2.45			.80	1.30			1.49	.02
38.634	83.517			1.31	-.22	55	13			6	21	2.50			.80	1.40			1.48	.00
38.629	83.605			1.19	-.44	54	13			6	21	2.50			.90	1.30			1.33	-.22
38.628	83.692			1.31	-.05	56	11			4	20	2.45			.95	1.30			1.43	-.28
38.630	83.780			1.19	-.41	54	13			6	22	2.50			1.00	1.55			1.29	-.22
38.635	83.868			1.30	.04	54	13			6	23	2.50			1.20	1.60			1.17	-.40
38.640	83.953			1.12	-.90	55	13			6	23	2.50			1.15	1.55			1.15	-.80
38.645	84.042			1.39	-.25	54	13			5	23	2.50			1.20	1.55			1.40	-.47
38.652	84.144			1.50	-.53	56	11			4	22	2.50			.85	1.55			1.57	-.52
38.646	84.220			1.52	-.12	56	10			3	22	2.50			.75	1.60			1.48	-.39
38.641	84.309			1.26	-.59	56	10			3	22	2.50			.80	1.60			1.31	-.45
38.644	84.398			.84	.19	55	11			4	23	2.50			.76	1.60			1.13	-.35
38.645	84.488			.68	-.37	56	10			3	22	2.50			.70	1.60			.71	-.38
38.646	84.578			.93	-.77	57	9			2	22	2.50			.80	1.60			1.03	-.61
38.644	84.666			1.45	-2.01	57	9			2	22	2.50			.75	1.60			1.40	-1.59
38.642	84.757			1.58	-2.15	57	9			1	22	2.50			1.00	1.60			1.55	-1.87
38.630	84.848			1.32	-2.01	55	10			3	24	2.50			1.00	1.60			1.41	-1.76
38.616	84.938			1.63	-1.93	55	10			3	24	2.50			1.15	1.60			1.67	-1.67
38.605	85.029			1.53	-1.84	56	9			2	24	2.20			1.25	1.60			1.65	-1.60
38.600	85.120			1.64	-1.68	54	11			4	26	2.20			1.25	1.60			1.69	-1.47
38.598	85.211			2.03	-1.33	55	11			3	26	2.25			.85	1.60			1.93	-1.22
38.598	85.302			1.95	-1.33	54	11			3	26	2.20			.75	1.60			1.91	-1.14
38.598	85.392			1.49	-1.42	54	11			3	27	2.25			.75	1.60			1.68	-1.56
38.593	85.483			1.46	-1.77	54	10			3	27	2.20			.75	1.60			1.55	-1.47
38.584	85.571			1.28	-1.91	55	9			2	27	2.20			.70	1.65			1.27	-1.71
38.570	85.658			1.58	-1.24	55	10			3	28	2.20			.40	1.80			1.62	-1.48
38.543	85.740			1.56	-1.43	56	8			0	26	2.20			.33	1.75			1.48	-1.63

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 6

REFERENCE		ONI-7000#1															TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.517	85.822			1.16	-1.74	57	6			-1	25	2.20			.40	1.60			1.17	-1.74
38.496	85.905			1.21	-1.50	57	6			-1	25	2.20			.60	1.60			1.36	-1.74
38.476	85.987			1.29	-1.94	56	7			0	26	2.05			.60	1.60			1.44	-1.76
38.457	86.069			1.42	-1.45	56	7			0	26	2.15			.45	1.60			1.43	-1.60
38.435	86.152			1.66	-1.67	55	8			1	28	2.05			.27	1.60			1.84	-1.39
38.414	86.233			1.43	-1.57	54	8			2	29	2.15			.55	1.60			1.66	-1.24
38.390	86.313			1.58	-.93	55	7			1	28	2.20			.60	1.60			1.67	-1.00
38.367	86.394			1.62	-1.14	56	6			-0	27	2.10			.55	1.60			1.73	-1.06
38.343	86.474			1.66	-.89	57	5			-1	26	2.05			.45	1.60			1.68	-1.10
38.319	86.554			1.45	-1.29	60	2			-5	24	1.75			.13	1.65			1.57	-1.21
38.293	86.634			1.41	-1.25	57	4			-2	26	1.60			.13	1.60			1.59	-1.25
38.268	86.712			1.31	-1.51	58	4			-3	26	1.60			.07	1.60			1.43	-1.41
38.239	86.805			1.41	-.93	57	4			-2	26	1.60			.33	1.60			1.57	-1.36
38.218	86.871			1.49	-1.46	58	3			-3	25	1.60			.33	1.60			1.63	-1.39
38.194	86.951			1.60	-1.28	58	4			-3	26	1.60			.33	1.60			1.59	-1.40
38.169	87.029			1.48	-1.56	57	4			-2	26	1.60			0.00	1.60			1.55	-1.57
38.144	87.108			1.45	-1.43	56	5			-2	27	1.60			0.00	1.60			1.45	-1.60
38.117	87.186			1.46	-1.48	58	4			-3	26	1.60			-.05	1.60			1.45	-1.66
38.092	87.264			1.28	-1.66	56	4			-2	27	1.60			.13	1.60			1.38	-1.68
38.067	87.342			1.40	-1.34	58	2			-4	25	1.60			.33	1.60			1.40	-1.62
38.041	87.421			1.46	-1.66	57	3			-3	26	1.75			.27	1.60			1.51	-1.71
38.008	87.495			1.46	-1.49	56	4			-2	27	1.80			.27	1.75			1.50	-1.79
37.975	87.571			1.47	-1.77	56	4			-2	27	1.65			.50	1.60			1.50	-1.78
37.951	87.647			1.41	-1.64	57	3			-4	25	1.40			.70	1.60			1.49	-1.97
37.926	87.727			1.16	-1.85	57	3			-4	25	1.25			.50	1.55			1.45	-1.91
37.926	87.821			1.03	-1.97	58	1			-5	24	1.05			.27	1.30			1.14	-1.95
37.934	87.902			1.08	-1.84	58	2			-5	25	1.00			-.05	1.45			1.22	-2.13
37.944	87.982			1.33	-2.18	59	0			-6	23	1.30			-.30	1.60			1.37	-2.30
37.955	88.064			1.29	-1.96	57	2			-4	25	1.60			-.55	1.60			1.28	-2.03
37.964	88.145			1.48	-2.24	56	3			-4	26	1.60			-.65	1.60			1.43	-2.19
37.971	88.226			1.43	-1.99	58	1			-6	24	1.60			-.75	1.60			1.48	-2.23
37.980	88.308			1.37	-2.07	58	0			-6	24	1.60			-.80	1.60			1.43	-2.14
37.988	88.389			1.27	-2.07	58	0			-5	24	1.60			-.70	1.60			1.25	-2.12
37.995	88.472			1.37	-2.03	58	0			-5	24	1.60			-.60	1.60			1.39	-2.14
38.003	88.553			1.08	-1.64	58	0			-6	24	1.60			-.60	1.60			1.28	-1.94
38.012	88.635			1.16	-1.75	58	-1			-7	23	1.55			-.60	1.75			1.15	-2.01
38.021	88.717			.92	-1.89	57	-0			-7	23	1.60			-.30	1.60			1.03	-1.99
38.030	88.800			1.04	-1.90	60	-3			-9	20	1.78			-.48	1.60			1.08	-1.93
38.038	88.883			.93	-1.92	61	-4			-10	19	1.78			-.24	1.60			.95	-1.99
38.046	88.958			1.15	-1.84	59	-2			-9	22	1.55			-.65	1.60			1.22	-1.99
38.054	89.039			1.20	-1.58	58	-1			-8	22	1.60			-.40	1.85			1.17	-1.85
38.059	89.123			1.14	-1.62	58	-1			-8	22	1.84			-.66	1.90			1.23	-1.88
38.062	89.209			1.29	-1.69	57	-1			-7	23	1.65			-.85	1.90			1.44	-1.85
38.063	89.295			1.30	-1.86	58	-2			-8	22	1.65			-.75	1.60			1.45	-1.93
38.067	89.376			1.28	-1.84	57	-1			-8	22	1.85			-1.00	1.60			1.41	-1.95
38.069	89.460			1.38	-1.72	56	-0			-7	23	1.60			-1.15	1.60			1.37	-1.97
38.069	89.539				-1.74	57	-1				22	1.60				1.60			1.46	-1.90
38.069	89.621				-1.86	56	1				24	1.35				1.60			1.54	-1.92
38.070	89.705				-1.83	56	-1				23	1.25				1.65			1.46	-1.94

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 6

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
38.087	89.777				-1.67	57	-2				22	.95				1.30			1.29	-1.87
38.109	89.847				-1.94	56	-1				23	.85				1.30			1.51	-2.01
38.148	89.909				-1.99	58	-3				20	.70				1.25			1.88	-2.08
38.195	89.965				-1.84	56	-1				22	.70				1.30			2.07	-1.97
38.245	90.010				-1.58	56	-1				23	.70				1.30			1.94	-1.91
38.298	90.047				-1.40	55	-0				23	.60				1.35			1.98	-2.01
38.362	90.047				-1.73	55	1				24	.27				1.20			1.92	-1.92
38.425	90.047				-1.77	55	0				24	.85				1.50			2.08	-1.90
38.488	90.045				-1.35	56	-1				23	1.10				1.60			1.90	-1.87
38.551	90.057				-1.31	55	0				24	1.45				1.90			1.66	-1.81
38.605	90.084				-1.65	57	-2				22	1.80				2.10			1.96	-1.63
38.633	90.138				-1.73	54	1				25	2.20				2.15			1.95	-1.28
38.653	90.183				-1.77	55	0				24	1.75				1.65				
38.676	90.226				-1.52	55	0				24	1.50				1.60				
38.699	90.266				-1.77	54	1				25	1.30				1.50			2.14	-1.90
38.717	90.303				-1.67	54	2				25	1.30				1.60			2.39	-1.86

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 7

REFERENCE LAT DEG	LONG	TD BIAS uS MW	MX	MY	MZ	ATM NOISE dB	SNR dB M	W	X	Y	Z	ECD uS M	W	X	Y	Z	TDL-711 TD BIAS uS MW	MX	MY	MZ
							ONI-7000#1													
38.762	90.314				-1.60	57	-3				21	2.25				1.75				
38.786	90.260				-1.63	56	-2				23	2.20				1.90				
38.830	90.224				-1.55	56	-1				23	2.40				2.30				
38.891	90.249				-1.66	55	-0				24	2.77				2.52				
38.954	90.269				-1.59	55	0				24	2.83				2.35				
39.003	90.314				-1.67	55	0				24	3.05				2.53				
39.051	90.354				-1.68	55	-0				24	2.70				2.20				
39.097	90.390				-1.71	55	1				25	2.50				2.00				
39.144	90.418				-1.47	57	-2				22	2.30				1.90				
39.193	90.440				-1.45	54	1				25	2.25				1.90				
39.243	90.462				-1.71	53	2				26	2.20				1.90				
39.295	90.486				-1.57	55	-0				24	2.25				2.10				
39.315	90.547				-1.59	54	1				24	2.50				2.50				
39.328	90.624				-1.58	54	1				24	2.77				2.40				
39.340	90.701				-1.65	53	2				25	2.57				2.00				
39.355	90.779				-1.61	53	3				26	2.50				1.90				
39.376	90.853				-1.74	54	1				24	2.30				1.75				
39.420	90.911				-1.80	54	1				24	2.10				1.60				
39.465	90.971				-1.73	53	2				25	1.95				1.85				
39.515	91.023				-1.80	53	2				24	1.85				1.65				
39.570	91.069				-1.74	53	2				24	1.75				1.75				
39.625	91.114				-1.71	52	2				25	1.80				1.90				
39.689	91.170				-1.90	52	2				25	1.95				1.90				
39.745	91.214				-1.86	53	2				25	1.90				1.90				
39.799	91.261				-1.71	52	2				25	1.90				1.90				
39.839	91.324				-1.65	53	1				23	2.15				2.30				
39.854	91.401				-1.64	53	1				23	2.05				2.05				
39.872	91.485				-1.60	53	2				24	1.90				1.90				
39.890	91.568				-1.62	52	2				24	1.90				1.90				
39.908	91.650				-1.66	51	3				25	1.90				1.90				
39.925	91.734				-1.62	52	2				23	1.90				1.65				
39.943	91.817				-1.61	53	1				22	1.65				1.60				
39.961	91.902				-1.64	54	0				21	1.60				1.60				
39.979	91.986				-1.57	53	1				21	1.60				1.60				
39.999	92.070				-1.61	53	0				21	1.65				1.60				
40.018	92.155				-1.71	52	1				22	1.55				1.60				
40.038	92.240				-1.65	52	1				22	1.30				1.60				
40.061	92.326				-1.81	51	2				23	1.10				1.60				
40.089	92.407				-1.72	52	1				22	1.00				1.60				
40.116	92.488				-1.71	50	3				23	.95				1.60				
40.144	92.569				-1.72	50	4				24	1.10				1.60				
40.173	92.652				-1.71	51	1				22	1.30				1.60				
40.200	92.736				-1.70	52	-0				21	1.30				1.60				
40.226	92.820				-1.74	51	2				23	1.10				1.60				
40.253	92.904				-1.72	52	0				20	1.00				1.60				
40.280	92.987				-1.78	52	0				20	1.00				1.60				
40.308	93.071				-1.75	51	2				22	1.00				1.60				
40.335	93.154				-1.77	50	2				22	.95				1.60				
40.361	93.238				-1.76	51	1				21	1.20				1.60				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 7

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
40.386	93.322				-1.83	50	1				21	1.05				1.60				
40.410	93.404				-1.81	50	1				21	1.00				1.60				
40.434	93.486				-1.85	51	0				20	1.00				1.60				
40.458	93.573				-1.83	52	-1				20	1.00				1.60				
40.485	93.655				-1.83	52	-1				18	.85				1.60				
40.513	93.738				-1.81	50	1				20	.70				1.55				
40.541	93.820				-1.84	49	2				21	.75				1.55				
40.570	93.901				-1.88	49	2				21	.45				1.55				
40.597	93.983				-1.76	50	2				21	.50				1.60				
40.623	94.070				-1.96	50	1				21	.75				1.60				
40.647	94.152				-1.85	51	-1				19	.75				1.60				
40.671	94.236				-1.87	52	-2				18	.55				1.55				
40.695	94.319				-1.89	48	2				21	.40				1.60				
40.723	94.400				-1.94	49	1				20	.40				1.55				
40.755	94.479				-1.82	50	1				20	.65				1.30				
40.787	94.558				-1.92	49	1				20	.70				1.35				
40.818	94.636				-1.89	50	0				18	.95				1.30				
40.853	94.718				-1.88	49	1				19	1.00				1.35				
40.881	94.800				-1.91	49	1				19	1.00				1.30				
40.909	94.884				-1.97	49	-0				19	.95				1.35				
40.937	94.967				-1.87	48	1				19	.75				1.55				
40.968	95.066				-1.86	49	-1				18	.45				1.30				
40.987	95:137				-1.87	49	0				19	.45				1.30				
41.013	95.221				-1.79	48	1				19	.65				1.30				
41.034	95.306				-1.78	48	0				19	.85				1.30				
41.058	95.392				-1.73	48	0				18	.95				1.30				
41.086	95.479				-1.83	48	0				18	.80				1.30				
41.111	95.563				-1.71	49	-1				17	.40				1.30				
41.136	95.649				-1.81	48	-1				18	-.08				1.30				
41.163	95.734				-1.75	48	-1				18	.13				1.30				
41.171	95.822				-1.57	48	-1				17	.33				1.30				
41.162	95.912				-1.81	48	-1				17	.25				1.30				
41.160	96.004				-1.79	47	0				18	.13				1.30				
41.157	96.095				-1.69	47	-0				18	-.10				1.30				
41.154	96.188				-1.69	47	-0				18	0.00				1.30				
41.153	96.281				-1.78	48	-2				17	.07				1.30				
41.149	96.374				-1.73	48	-2				17	-.20				1.30				
41.140	96.467				-1.75	47	-1				17	-.15				1.30				
41.131	96.561				-1.71	49	-3				16	-.10				1.30				
41.122	96.655				-1.66	48	-2				16	.13				1.30				
41.110	96.748				-1.73	48	-3				16	-.20				1.30				
41.099	96.840				-1.69	48	-2				15	-.15				1.30				
41.087	96.933				-1.78	48	-3				15	-.15				1.30				
41.075	97.024				-1.77	48	-3				15	-.35				1.25				
41.064	97.116				-1.73	49	-4				14	0.00				1.10				
41.053	97.209				-1.82	48	-3				15	0.00				1.25				
41.040	97.314				-1.77	48	-3				16	0.00				1.30				
41.034	97.391				-1.78	46	-2				17	-.30				1.30				
41.023	97.498				-1.76	47	-3				15	-.10				1.25				

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WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 7

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
41.016	97.591				-1.86	47	-3				15	-.40				1.25				
41.012	97.684				-1.86	47	-3				15	-.60				1.25				
41.008	97.776				-1.80	46	-2				16	-.55				1.30				
41.005	97.870				-1.83	47	-3				16	-.60				1.15				
41.002	97.961				-1.82	46	-3				16	-.55				1.00				
41.000	98.054				-1.95	47	-4				15	-1.05				1.05				
41.000	98.146				-1.90	46	-3				15	-1.55				1.30				
40.999	98.237				-1.83	47	-4				14	-1.80				1.25				
40.987	98.330				-1.70	47	-5				14	-1.80				1.05				
40.975	98.418				-1.85	46	-4				15	-1.80				1.00				
40.971	98.506				-2.17	46	-4				14	-1.80				1.00				
40.976	98.591				-2.00	45	-3				15	-1.80				1.20				
40.981	98.681				-1.89	46	-5				14	-1.80				1.05				
40.988	98.771				-1.78	45	-4				15	-1.80				1.00				
40.995	98.862				-1.82	46	-4				13	-2.00				1.00				
40.996	98.950					45					14					.95				
40.997	99.041					45					13					.85				
40.998	99.131					45					14					.60				
40.998	99.223				-1.94	43	-3				15	-2.40				1.00				
40.999	99.315				-1.99	44	-4				14	-2.30				.75				
41.003	99.407				-2.15	45	-5				13	-2.17				.70				
41.005	99.500				-2.09	45	-6				13	-2.30				.70				
41.009	99.594				-1.99	46	-7				12	-2.50				.55				

Entire page - h

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 8

REFERENCE																								
										ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

Entire segment-h

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 9

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
37.641	97.528					50					11					1.00				
37.523	97.482					49					12					1.15				
37.422	97.446				-1.22	48	-8				12	1.00				1.20				
37.321	97.420				-1.67	47	-7				13	.33				1.30				
37.199	97.379				-1.89	48	-8				12	-.30				1.30				
37.101	97.334				-1.77	47	-7				13	-.30				1.30				
37.006	97.276				-1.68	49	-9				12	-.10				1.30				
36.909	97.220				-1.54	49	-9				11	-.20				1.30				
36.810	97.173				-2.16	49	-10				11	-.20				1.30				
36.784	97.054				-.97	49	-10				11	-.05				1.30				
36.790	96.946				-1.37	49	-10				11	-.10				1.30				
36.809	96.840				-2.09	49	-10				11	-.13				1.26				
36.836	96.722				-2.10	50	-10				12	-.20				1.30				
36.856	96.637				-2.02	49	-9				12	.33				1.30				
36.887	96.516				-1.43	50	-10				11	.40				1.30				
36.918	96.397				-1.96	50	-9				11	.45				1.20				
36.948	96.294				-1.86	50	-9				12	.17				1.00				
36.980	96.179				-1.91	50	-9				12	.13				1.25				
37.005	96.073				-1.15	50	-9				12	.45				1.10				
37.031	95.969				-1.25	50	-9				12	.60				1.30				
37.050	95.863				-1.90	50	-8				12	.87				1.30				
37.069	95.737				-1.81	49	-7				14	.60				1.30				
37.081	95.626				-1.89	50	-8				13	.49				1.30				
37.099	95.496				-1.91	50	-8				13	.55				1.30				
37.113	95.386				-1.85	50	-8				13	.70				1.30				
37.148	95.265				-1.92	50	-7				14	.50				1.30				
37.132	95.157				-1.82	50	-8				14	.40				1.30				
37.095	95.047				-1.96	50	-8				14	.40				1.30				
37.053	94.943				-1.82	50	-7				14	.53				1.30				
37.005	94.843				-1.80	50	-7				15	.70				1.30				
36.951	94.724				-2.13	50	-7				14	.55				1.20				
36.907	94.622				-1.49	49	-6				15	.61				1.13				
36.850	94.505				-1.83	49	-6				15	.70				1.30				
36.801	94.406				-2.10	49	-6				15	.70				1.25				
36.751	94.309				-1.95	50	-7				14	.65				1.20				
36.707	94.228				-1.90	50	-7				14	.50				1.30				
36.646	94.113				-1.51	51	-8				13	.70				1.25				
36.597	94.015				-1.82	52	-9				12	.65				1.30				
36.561	93.911				-1.87	51	-8				13	.40				1.30				
36.528	93.803				-2.00	52	-9				12	.40				1.30				
36.487	93.679				-2.08	52	-9				12	.50				1.30				
36.456	93.572				-2.05	52	-9				13	.70				1.30				
36.424	93.483				-2.10	52	-9				12	.57				1.30				
36.386	93.387				-2.23	52	-9				12	.50				1.25				
36.359	93.319				-2.32	52	-9				13	.70				1.24				
36.323	93.238				-2.56	52	-9				13	.70				1.30				
36.308	93.141				-2.49	53	-10				12	.95				1.30				
36.357	93.143				-2.15	52	-9				13	1.00				1.25				
36.373	93.195				-2.25	54	-11				11	.60				1.30				

Entire segment-h

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 9

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.319	93.258				-2.78	53	-10				11	.50				1.30				
36.281	93.213				-2.66	52	-10				12	.40				1.30				
36.320	93.165				-2.20	52	-9				13	.40				1.30				
36.350	93.208				-2.26	53	-10				12	.40				1.30				
36.305	93.262				-2.73	53	-10				11	.40				1.30				
36.256	93.208				-2.76	53	-10				12	.40				1.30				
36.274	93.167				-2.36	53	-10				13	.20				1.30				
36.329	93.152				-2.31	53	-9				12	.32				1.30				
36.346	93.196				-2.16	54	-10				11	.40				1.30				

Entire segment-h

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 10

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.312	93.241				-2.39	53	-9				13	1.60				1.70				
36.274	93.274				-2.83	52	-8				13	1.50				1.80				
36.251	93.213				-2.58	52	-9				14	1.00				1.30				
36.256	93.149				-2.41	52	-8				14	.95				1.30				
36.287	93.102				-1.73	52	-8				14	1.05				1.50				
36.325	93.085				-2.11	52	-8				14	1.30				1.65				
36.353	93.110				-2.28	52	-8				14	1.25				1.85				
36.363	93.160				-2.16	52	-8				14	1.00				1.60				
36.369	93.210				-2.41	51	-7				15	1.00				1.55				
36.362	93.267				-2.16	51	-7				14	1.05				1.60				
36.298	93.287				-2.95	52	-9				13	1.05				1.40				
36.269	93.211				-2.60	52	-9				13	.45				1.00				
36.272	93.117				-2.57	51	-7				15	0.00				1.00				
36.275	93.014				-1.99	53	-8				14	0.00				1.25				
36.273	92.908				-1.64	52	-7				14	0.00				1.30				
36.272	92.796				-2.30	52	-7				14	.07				1.30				
36.282	92.688				-2.26	52	-6				15	.60				1.30				
36.293	92.582				-2.20	53	-7				14	1.00				1.35				
36.294	92.471				-2.33	54	-7				14	1.05				1.60				
36.283	92.357				-1.88	54	-7				13	1.20				1.45				
36.275	92.247				-2.07	54	-7				13	1.40				1.35				
36.258	92.132				-2.35	53	-6				14	1.60				1.30				
36.240	92.019				-2.32	53	-6				14	1.55				1.30				
36.222	91.905				-2.29	54	-6				14	1.40				1.30				
36.210	91.796				-2.30	53	-5				15	1.54				1.30				
36.203	91.684				-2.18	54	-6				14	1.40				1.30				
36.191	91.569				-2.13	55	-7				14	1.35				1.30				
36.178	91.456				-1.96	55	-7				14	1.50				1.30				
36.162	91.342				-2.00	53	-5				15	1.90				1.40				
36.143	91.227				-2.23	55	-6				14	1.90				1.30				
36.125	91.112				-2.26	56	-7				13	1.90				1.35				
36.106	90.996				-2.35	56	-7				14	2.00				1.60				
36:087	90.882				-2.27	57	-8				13	1.90				1.60				
36.072	90.765				-2.01	56	-7				14	1.85				1.40				
36.070	90.652				-2.53	55	-6				15	1.60				1.30				
36.080	90.542				-2.29	56	-7				14	1.60				1.30				
36.087	90.432				-2.32	57	-8				14	1.65				1.50				
36.090	90.319				-2.29	55	-5				16	1.90				1.60				
36.084	90.204				-2.31	54	-4				17	1.90				1.65				
36.076	90.087				-2.44	56	-6				15	1.90				1.60				
36.065	89.971				-2.82	57	-6				14	1.75				1.60				
36.055	89.856				-2.66	57	-6				15	1.80				1.60				
36.046	89.738				-2.80	57	-6				15	1.90				1.60				
36.043	89.626				-2.89	56	-5				16	1.90				1.55				
36.040	89.512				-2.42	56	-5				16	1.90				1.60				
36.028	89.395				-2.71	57	-6				15	1.90				1.60				
36.013	89.281				-3.10	56	-5				16	1.90				1.50				
36.021	89.170					54					18					1.10				
36.032	89.062					55					17					1.35				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 10

REFERENCE						ATM	ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.043	88.952					56				-8	16				.20	1.50				
36.060	88.847					54				-6	18				-.05	1.35				
36.070	88.740					54				-6	19				-.10	1.45				
36.083	88.631					54				-6	18				-.50	1.60				
36.087	88.521					53				-4	19				-.65	1.60				
36.086	88.410					54				-6	18				-.10	1.50				
36.086	88.300					54				-5	18				-.15	1.30				
36.089	88.190					54				-4	18				-.15	1.30				
36.094	88.063					53				-3	19				0.00	1.35				
36.095	87.955					52				-2	20				0.00	1.45				
36.097	87.847					52				-3	20				.33	1.35				
36.101	87.740					55				-4	17				.40	1.60				
36.101	87.635			.34	-2.92	54	-1			-3	18	1.00			.20	1.60				
36.099	87.527			.01	-4.26	54	-1			-3	18	1.80			0.00	1.45				
36.099	87.421			.33	-3.71	55	-2			-4	17	1.90			0.00	1.35				
36.098	87.314			-.36	-3.59	56	-3			-5	17	1.90			.33	1.50				
36.098	87.208			.10	-3.37	56	-3			-5	17	1.95			.07	1.50				
36.096	87.100			.02	-3.44	57	-3			-5	16	1.90			0.00	1.50				
36.095	86.993			-.64	-3.68	56	-2			-4	16	1.90			.07	1.30				
36.101	86.886			-.01	-3.56	57	-3			-4	16	1.80			0.00	1.30				
36.109	86.779			.22	-3.38	57	-3			-4	16	1.60			.13	1.30				
36.121	86.673			-.02	-3.20	57	-3			-4	16	1.60			.40	1.45				
36.111	86.569			.20	-3.38	57	-3			-4	15	2.05			.20	1.85				
36.065	86.454			.02	-4.14	57	-2			-3	15	2.08			.08	1.72				
36.046	86.365			-.97	-4.00	56	-2			-2	16	1.90			-.15	1.30				
36.032	86.258			-.11	-4.24	55	-0			-1	17	1.90			-.10	1.30				
36.017	86.152			-.75	-4.00	56	-1			-2	16	1.90			-.40	1.50				
36.003	86.045			-.63	-3.42	56	-1			-2	16	1.90			-.30	1.60				
35.986	85.936			-.92	-4.20	55	0			-1	17	1.90			-.25	1.55				
35.972	85.829			-.28	-3.49	55	0			-0	16	1.70			-.30	1.45				
35.955	85.719			-.78	-3.68	56	-1			-1	14	1.85			-.25	1.35				
35.939	85.613			-.09	-3.89	55	-1			-0	15	1.90			-.30	1.10				
35.927	85.503			-1.04	-3.44	56	-2			-1	15	1.70			-.20	1.25				
35.908	85.397			-.74	-3.86	56	-2			-1	14	1.75			-.20	1.60				
35.877	85.291			-2.14	-4.89	55	-0			0	14	1.95			-.30	1.50				
35.840	85.190			-1.52	-4.35	54	1			2	15	2.00			-.30	1.30				
35.804	85.088			-1.52	-3.35	55	1			2	15	2.20			-.30	1.20				
35.774	84.983			-2.44	-4.10	54	-0			3	15	1.85			-.30	1.00				
35.781	84.875			-2.20	-3.09	53	0			4	15	1.55			-.05	.80				
35.803	84.772			-2.15	-2.99	54	-1			3	14	1.50			-.20	1.10				
35.822	84.665			-2.14	-3.05	55	-2			3	14	1.60			-.30	1.30				
35.839	84.559			-1.92	-3.39	55	-2			3	13	1.60			-.15	1.15				
35.857	84.453			-1.84	-2.61	55	-2			3	12	1.20			0.00	1.15				
35.870	84.344			-1.51	-2.47	54	-2			4	13	1.15			-.20	1.30				
35.868	84.232			-2.46	-2.96	53	-1			6	14	1.30			-.30	1.30				
35.868	84.102			-2.04	-2.80	53	-1			6	14	.95			-.35	1.30				
35.866	84.008			-1.96	-2.76	52	-0			6	14	1.00			-.55	1.15				
35.867	83.897			-1.80	-2.82	52	0			7	14	1.00			-.60	1.20				
35.847	83.786			-2.65	-3.34	50	2			9	16	1.10			-.60	1.40				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 10

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
35.846	83.673			-2.33	-2.94	50	2			10	16	.70			-.45	1.00				
35.848	83.563			-2.08	-3.02	50	2			10	16	.65			-.60	1.20				
35.836	83.451			-2.34	-2.66	50	1			11	16	.70			-.60	1.30				
35.813	83.341			-3.17	-3.11	52	-1			10	13	.60			-.35	1.30				
35.789	83.234			-2.94	-3.11	50	1			12	15	.40			.20	1.30				
35.759	83.124			-2.73	-3.29	50	2			14	14	.27			.55	1.05				
35.731	83.014			-3.21	-2.88	51	1			14	13	.45			.70	.70				
35.701	82.911			-2.76	-2.36	51	-1			15	12	.60			.90	.70				
35.665	82.803			-2.91	-3.35	50	0			16	13	.40			.70	.70				
35.630	82.701			-2.85	-2.76	51	-2			16	11	-.20			1.10	.65				
35.591	82.596			-2.70	-2.38	51	-3			16	10	-.55			1.20	.45				
35.539	82.502			-2.01	-2.26	51	-5			17	10	-.60			1.45	.70				
35.482	82.410			-2.21	-2.53	50	-4			18	11	-.42			1.42	.70				
35.427	82.321			-2.27	-2.36	52	-6			18	8	-.55			1.60	.70				
35.367	82.233			-2.19	-1.50	52	-5			19	8	.33			1.60	.70				
35.306	82.148			-2.81	-1.97	52	-6			18	5	.17			1.65	.60				
35.231	82.082			-1.94	-1.87	53	-7			18	3	.75			2.40	-.13				
35.151	82.030			-2.70	-2.12	54	-8			17	1	-.30			2.50	-.30				
35.072	81.974			-2.44	-2.04	53	-7			19	2	-.75			2.50	-.45				
34.992	81.955			-3.01	-1.39	53	-8			18	1	-.85			2.98	-.55				
34.954	82.031			-2.76	-1.48	52	-7			19	3	-.75			2.87	-.55				
34.918	82.105			-2.59	-1.85	52	-7			19	3	-1.00			2.10	-.20				
34.880	82.180			-2.37	-1.45	52	-7			18	1	-.90			1.80	-.55				
34.831	82.246			-2.40	-1.72	55	-10			16	-2	-.65			1.60	-.40				
34.778	82.310			-2.51	-1.16	52	-7			18	-0	-.75			1.90	-.35				
34.728	82.375			-2.88	-1.60	51	-6			19	1	-.95			2.25	-.75				
34.687	82.448			-2.94	-1.81	50	-5			20	2	-1.15			2.45	-1.25				
34.645	82.521			-2.74	-1.70	54	-10			15	-2	-1.20			2.15	-1.20				
34.603	82.592			-2.54	-.94	54	-10			15	-1	-.90			1.75	-1.00				
34.559	82.664			-2.82	-1.05	53	-11			16	-0	-.80			1.90	-1.10				
34.518	82.718			-2.70	-1.39	54	-12			15	-1	-.80			1.60	-.90				
34.452	82.787				C	C 56	C			13	-3	C			1.60	-.50				
34.384	82.832					56				14	-3				1.75	-.40				
34.320	82.881					55				14	-2				2.35	-.65				
34.261	82.940					57				13	-4				2.50	-.80				
34.203	83.003					55				15	-2				2.50	-.90				
34.155	83.073					55				14	-2				2.50	-.90				
34.110	83.145					57				12	-4				2.20	-.70				
34.052	83.206					57				12	-4				1.90	-.35				
33.991	83.263					56				12	-3				1.90	-.60				
33.928	83.316					56				12	-3				1.65	-.50				
33.851	83.339					56				13	-2				1.75	-.30				
33.777	83.372					55				13	-2				2.20	-.30				
33.702	83.405					57				11	-3				2.20	-.25				
33.628	83.428					57				10	-3				1.80	0.00				
33.534	83.451					56				11	-3				1.90	-.15				
33.456	83.471					56				11	-3				1.80	-.30				
33.376	83.496					56				11	-3				1.70	-.15				
33.299	83.522					57				10	-4				2.02	-.18				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 10

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
33.223	83.547					58				9	-5				2.20	-.10				
33.143	83.571					57				10	-5				2.05	-.25				
33.065	83.592					56				11	-4				2.15	-.20				
32.982	83.599					57				10	-5				1.95	0.00				
32.899	83.607					60				8	-8				2.26	-.24				
32.819	83.624					60				8	-7				2.25	-.25				
32.738	83.642					61				8	-8				2.25	.07				
32.690	83.692					59				9	-7				2.77	-.40				
32.685	83.773					57				11	-4				2.45	-.60				
32.683	83.846					57				11	-3				2.50	-.30				
32.677	83.923					57				10	-3				2.20	.27				
32.661	83.998					58				8	-4				2.15	.80				
32.639	84.065					57				9	-3				1.80	.90				
32.622	84.130					56				9	-2				1.60	.50				
32.617	84.195					59				6	-5				1.55	.40				
32.613	84.261					60				5	-6				1.60	.60				
32.610	84.325					61				4	-7				1.60	.27				
32.605	84.391					62				3	-8				1.75	.20				
32.599	84.461					63				2	-10				1.90	.27				
32.597	84.527					62				4	-8				2.00	-.05				
32.598	84.595					61				4	-7				2.20	.07				
32.602	84.663					60				5	-6				2.10	.40				
32.609	84.729					57				8	-3				2.20	.07				
32.617	84.796					57				7	-3				2.20	.13				
32.622	84.862					60				4	-6				2.20	.40				
32.615	84.929					61				3	-7				2.20	.70				
32.604	84.996					62				1	-8				2.20	.65				
32.583	85.061					62				1	-7				2.00	.75				
32.557	85.127					63				-1	-8				1.90	1.00				
32.531	85.194					63				-1	-8				1.75	.80				
32.520	85.260					62				-0	-7				1.60	.27				
32.519	85.328					62				0	-7				1.60	0.00				
32.518	85.395					64				-3	-9				1.55	.40				
32.515	85.463					62				-1	-7				1.40	.60				
32.501	85.531					63				-2	-9				1.60	1.00				
32.480	85.610					64				-4	-9				1.90	.85				
32.449	85.673					66				-5	-12				1.90	.60				
32.408	85.735					67				-7	-12				1.90	.45				
32.393	85.803					69 b				-8 b	-14 b				1.70	-.20				
32.379	85.872					70				-9	-15				1.65	-.05				
32.361	85.942					71				-10	-16				1.80	.48				
32.345	86.011					71				-10	-15				1.70	.70				
32.325	86.076					69				-9	-13				1.65	.85				
32.287	86.129					68				-8	-12				1.60	1.10				
32.267	86.180					68				-7	-12				1.60	.60				
32.263	86.228					68				-7	-12				1.60	.40				
32.266	86.280					68				-7	-11				1.70	.50				
32.268	86.336					69				-9	-12				2.00	.75				
32.227	86.383					69				-9	-12				2.20	1.30				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 10

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.162	86.384					67				-7	-10				1.70	1.50				
32.145	86.290					68				-6	-11				1.20	.95				
32.184	86.240					67				-6	-10				1.90	.65				
32.227	86.241					67				-6	-10				2.40	.80				
32.261	86.271					68				-8	-11				2.50	1.25				
32.283	86.308					70				-9	-12				2.50	1.60				
32.252	86.356					69				-8	-11				2.50	1.90				
32.199	86.372					69				-8	-11				2.20	2.15				
32.171	86.312					68				-7	-10				1.60	1.65				
32.206	86.269					68				-7	-10				1.95	.80				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 11

REFERENCE							ONI-700#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.236	86.543					65				-3	-5				2.25	1.80				
32.239	86.604					66				-5	-6				2.20	1.60				
32.245	86.661					65				-4	-5				1.90	1.50				
32.251	86.722					65				-4	-5				1.90	1.45				
32.257	86.788					66				-6	-6				1.90	1.65				
32.262	86.854					64				-5	-4				1.80	1.60				
32.266	86.916					66				-7	-7				1.80	1.60				
32.272	86.979					66				-8	-7				1.60	1.60				
32.277	87.048					66				-7	-7				1.60	1.30				
32.285	87.123					65				-7	-6				1.45	1.30				
32.295	87.199					67				-9	-7				1.60	1.30				
32.306	87.274					66				-8	-6				1.60	1.35				
32.310	87.352					66				-9	-6				1.60	1.60				
32.313	87.431					66				-9	-6				1.60	1.35				
32.316	87.510					65				-8	-5				1.60	1.30				
32.320	87.589					63				-8	-3				1.60	1.45				
32.323	87.668					65				-10	-5				1.60	1.30				
32.327	87.746					66				-9	-6				1.35	1.30				
32.330	87.824					63				-8	-3				1.25	1.30				
32.336	87.901					62				-7	-2				1.25	1.40				
32.346	87.978					64				-9	-4				1.15	1.40				
32.352	88.056					63				-8	-3				1.10	1.30				
32.355	88.134					62				-8	-2				1.10	1.30				
32.361	88.212					61				-8	-1				1.00	1.45				
32.363	88.289					61				-7	0				1.00	1.60				
32.367	88.365					62				-9	-1				1.00	1.60				
32.371	88.444					65				-11	-4				.95	1.60				
32.374	88.522					64				-11	-4				.95	1.50				
32.377	88.599					64				-11	-4				1.00	1.30				
32.375	88.678					63				-10	-2				1.00	1.40				
32.382	88.755					62				-9	-1				.95	1.10				
32.390	88.834					62				-9	-1				.75	1.30				
32.398	88.911					62				-10	-1				.65	1.35				
32.405	88.989					63				-10	-2				.60	1.20				
32.412	89.067					63				-11	-2				.40	1.00				
32.418	89.145					62				-10	-1				.50	1.10				
32.423	89.224					63				-12	-2				.60	1.25				
32.429	89.303					64				-12	-3				.70	1.30				
32.435	89.382					62				-11	-1				.40	1.30				
32.441	89.462					62				-11	-1				.50	1.30				
32.448	89.541					61				-10	0				.70	1.30				
32.454	89.622					61				-10	-1				.90	1.35				
32.460	89.701					62				-11	-2				1.00	1.10				
32.466	89.780					62				-11	-2				1.00	1.30				
32.506	90.234					62				-12	-2				.80	1.15				
32.508	90.313					60				-10	-1				.65	1.10				
32.512	90.391					59				-9	1				.65	1.10				
32.514	90.472					59				-9	1				.55	1.20				
32.518	90.550					59				-10	1				.80	1.10				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 11

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.522	90.631					59				-10	2				.85	1.00				
32.519	90.711					58				-10	3				.45	1.05				
32.517	90.791					60				-12	1				.07	1.00				
32.515	90.872					59				-11	2				.20	1.20				
32.513	90.953					60				-13	1				.38	1.30				
32.513	91.035					61				-13	0				.07	1.10				
32.513	91.114					60				-12	1				.40	1.05				
32.513	91.197					61				-13	1				.45	1.20				
32.514	91.277					62				-14	1				.45	1.30				
32.516	91.359					62				-14	-1				.50	1.30				
32.517	91.441					61				-13	0				.13	1.30				
32.518	91.523					61				-14	1				.27	1.30				
32.520	91.605					59				-12	2				.33	1.30				
32.520	91.687					60				-12	2				.20	1.25				
32.521	91.768					59				-12	2				.55	1.25				
32.523	91.850					58				-11	3				.40	1.05				
32.522	91.933					58				-11	3				.33	1.30				
32.517	92.017					59				-12	1				.13	1.20				
32.524	92.099					58				-12	2				.40	.80				
32.537	92.181					58				-12	2				.38	1.00				
32.549	92.261					56				-10	4				.27	1.00				
32.561	92.341					56				-10	4				-.20	1.00				
32.573	92.424					55				-10	5				.32	1.25				
32.583	92.506					55				-10	5				.65	1.25				
32.596	92.588					55				-10	5				.60	1.00				
32.608	92.672					54				-10	6				.46	1.06				
32.619	92.755					55				-10	5				.38	1.30				
32.632	92.839					55				-11	4				.50	1.10				
32.642	92.922					55				-10	4				.20	1.20				
32.654	93.005					55				-11	4				.07	1.00				
32.666	93.089					54				-10	5				.13	1.05				
32.679	93.172					54				-11	5				0.00	1.30				
32.691	93.257					54				-11	5				.33	1.30				
32.704	93.340					53				-10	6				.13	1.20				
32.716	93.424					53				-10	6				.13	1.30				
32.728	93.508					52				-9	6				-.25	1.25				
32.741	93.593					51				-8	7				-.15	1.05				
32.752	93.678					50				-7	8				-.30	1.10				
32.763	93.763					50				-8	8				-.20	1.30				
32.773	93.849					50				-9	8				0.00	1.30				
32.777	93.935					51				-9	7				.40	1.30				
32.780	94.023					51				-8	8				.60	1.30				
32.784	94.110					50				-9	8				.40	1.30				
32.788	94.197					50				-8	7				.40	1.18				
32.792	94.284					51				-9	7				.40	1.00				
32.796	94.373					49				-8	8				.13	1.00				
32.800	94.461					48				-6	9				-.05	1.00				
32.805	94.550					47				-6	9				0.00	1.00				
32.810	94.638					47				-6	9				.20	1.00				

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WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 11

REFERENCE						ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
32.819	94.726					e				e	e									
32.828	94.815					↓				↓	↓									
32.837	94.903																			

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WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 19

REFERENCE																								
										ONI-7000#1												TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

Entire segment-h

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 13

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ

...

Entire segment-h

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1											TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
30.408	88.952					59				-1	-1				2.15	1.60				
30.449	88.906					59				-1	-2				2.20	1.60				
30.489	88.859					57				0	-0				2.20	1.60				
30.520	88.804					58				-0	-1				2.05	1.60				
30.551	88.741					58				-0	-1				1.90	1.65				
30.577	88.677					57				1	-0				1.90	1.90				
30.607	88.613					58				-1	-1				1.90	1.60				
30.638	88.547					59				-1	-2				2.00	1.60				
30.669	88.478					58				0	-1				1.90	1.60				
30.702	88.407					56				2	1				1.90	1.54				
30.722	88.322					55				3	1				1.70	1.60				
30.728	88.225					55				4	2				1.90	1.60				
30.735	88.123					57				2	-0				1.90	1.60				
30.743	88.024					57				2	-1				1.90	1.30				
30.753	87.922					57				2	-1				1.60	1.30				
30.761	87.822					57				2	-1				1.60	1.60				
30.768	87.718					56				1	0				1.60	1.48				
30.771	85.065	k,c,b				69	k,c,b			-4	-17	k,c,b			2.40	1.30	k,c,b			
30.738	84.968					68				-2	-16				2.45	.95				
30.708	84.869					66				-1	-14				2.20	1.00				
30.678	84.769					66				0	-14				2.20	1.18				
30.647	84.670					66				0	-14				2.10	1.20				
30.617	84.572					65				0	-14				2.05	1.10				
30.587	84.473					66				1	-15				2.30	1.00				
30.559	84.374					66				0	-15				2.20	.85				
30.550	84.271					63				4	-12				1.90	.70				
30.549	84.168					60				7	-10				1.95	.55				
30.552	84.066					59				8	-9				2.20	.70				
30.554	83.963					58				9	-8				2.20	.40				
30.557	83.861					58				9	-8				2.20	.40				
30.559	83.758					58				9	-8				2.20	.60				
30.560	83.656					58				11	-8				2.20	.40				
30.556	83.553					56				12	-6				2.20	.60				
30.550	83.450					57				12	-7				2.20	.75				
30.542	83.347					57				11	-7				2.20	.55				
30.533	83.245					57				11	-7				2.20	.80				
30.525	83.142					57				11	-7				2.20	.80				
30.517	83.040					56				12	-6				2.15	.70				
30.511	82.937					56				13	-6				2.05	.70				
30.507	82.833					55				14	-5				2.05	.95				
30.504	82.732					55				14	-5				1.90	.85				
30.501	82.628					56				12	-7				1.90	.65				
30.556	82.576					58				11	-10				1.90	.65				
30.628	82.567					58				11	-9				2.20	1.00				
30.700	82.564					57				12	-8				2.20	.80				
30.773	82.564					58				12	-8				2.10	.70				
30.846	82.565					57				13	-8				1.90	1.20				
30.919	82.565					57				13	-8				1.95	1.05				
30.992	82.566					58				12	-9				2.00	.50				

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WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
31.063	82.564					58				13	-8				2.20	.20				
31.136	82.564					58				12	-8				2.20	-.10				
31.210	82.563					62				10	-12				2.20	0.00				
31.283	82.553					60				11	-10				2.05	.02				
31.356	82.536					60				12	-10				2.15	.20				
31.429	82.519					59				11	-9				2.30	-.15				
31.504	82.505					61				10	-12				2.70	-.03				
31.575	82.478					60				12	-11				2.42	.75				
31.638	82.418					60				12	-11				2.57	.45				
31.705	82.366					59				12	-10				2.90	.33				
31.772	82.317					62				10	-13				2.90	.70				
31.842	82.269					61				10	-12				2.90	.60				
31.909	82.216					60				11	-11				2.50	-.05				
31.976	82.167					59				13	-10				2.45	-.05				
32.041	82.108					61				11	-12				2.20	.40				
32.107	82.055					60				13	-11				2.35	.40				
32.172	81.998					59				14	-10				2.50	.50				
32.235	81.939					59				14	-10				2.50	.60				
32.300	81.881					60				14	-11				2.50	.40				
32.364	81.825					58				15	-9				2.50	.27				
32.432	81.771					59				13	-10				2.50	-.50				
32.500	81.718					59				15	-10				2.50	-.80				
32.567	81.666					59				16	-10				2.50	-.35				
32.635	81.614					58				15	-9				2.50	0.00				
32.703	81.558					61				14	-12				2.50	-.06				
32.771	81.501					59				16	-10				2.50	-.30				
32.837	81.442					59				16	-11				2.50	-.50				
32.905	81.387					59				17	-11				2.45	-.55				
32.972	81.327					59				17	-12				2.35	-1.25				
33.028	81.251					58				18	-11				2.00	-.50				
33.070	81.161					60				18	-13				2.25	-.35				
33.116	81.072					57				20	-9				2.50	-.45				
33.163	80.986					59				19	-11				2.50	.07				
33.213	80.900					59				20	-11				2.57	-.25				
33.262	80.815					59				20	-11				2.77	-.25				
33.310	80.728					57				23	-8				2.83	-.55				
33.360	80.644					58				21	-8				2.77	-.55				
33.410	80.560					58				22	-8				2.90	-.10				
33.459	80.474					59				22	-9				2.70	-.05				
33.516	80.399					56				24	-6				3.10	.20				
33.580	80.333					58				22	-9				3.10	-.03				
33.644	80.266					57				24	-8				2.90	-.25				
33.707	80.199					58				23	-8				2.63	-.50				
33.770	80.132					58				24	-8				2.50	-.40				
33.833	80.062					59				24	-10				2.90	-.10				
33.897	79.996					57				25	-8				2.90	.07				
33.962	79.930					58				25	-9				2.90	.33				
34.027	79.862					57				26	-8				2.90	.55				
34.088	79.792					58				25	-9				2.90	.50				

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 14

REFERENCE							ONI-7000#1										TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
34.153	79.727					57				26	-7				2.90	.65				
34.218	79.661					58				26	-8				2.90	.48				
34.282	79.593					56				28	-7				2.90	.50				
34.348	79.526					58				27	-8				2.83	.45				
34.407	79.451					57				27	-7				2.50	.40				
34.467	79.374					58				27	-8				2.83	.20				
34.533	79.309					58				28	-8				3.20	-.25				
34.600	79.245					59				28	-10				3.20	.03				
34.668	79.182			-1.40	.89	56	-1			31	-7	2.20			3.10	-.40				
34.735	79.118			-2.99	-1.62	55	-2			32	-6	1.60			2.90	-.80				
34.801	79.051			-2.80	-1.17	52	2			34	-3	1.75			3.05	-.90				
34.868	78.986			-3.25	-1.44	55	-1			31	-6	1.96			3.20	-1.08				
34.934	78.920			-3.27	-1.24	53	1			33	-4	2.15			3.15	-.13		-2.44	-3.22	
34.987	78.838			-1.87	-1.90	54	-0			32	-5	2.20			2.53	.40		-2.12	-2.58	
34.987	78.725			-2.11	-1.15	54	-0			33	-5	2.30			2.30	.48		-2.54	-2.23	
34.971	78.613			-2.36	-.94	56	-2			31	-6	2.20			2.50	.55		-2.73	-2.26	
34.938	78.507			-1.87	-.75	55	-1			32	-5	2.15			2.63	.80		-2.78	-2.72	
34.917	78.394			-2.92	-1.15	56	-1			32	-6	1.80			3.05	1.25		-2.67	-3.12	
34.906	78.281			-2.23	-1.16	55	1			34	-5	1.45			3.15	1.78		-2.62	-2.41	
34.894	78.166			-1.99	C	56	0			33	C	1.90			2.70	C		-2.68	-2.32	
34.880	78.053		-2.66	-2.63		58	-1		-3	32		1.90		1.40	2.75			-2.56	-2.66	
34.910	77.933		-1.88	-3.61		57	1		-3	33		1.50		.70	3.25			-2.80	-3.46	
34.965	77.878		-2.82	-2.72		55	3		-0	34		1.30		.85	3.20			-2.82	-3.18	
35.036	77.816		-2.82	-2.89		56	2		-1	33		2.10		1.40	3.10			-2.72	-3.52	
35.110	77.765		-2.73	-3.00		55	4		0	34		2.20		1.45	2.90			-2.71	-3.41	
35.183	77.712		-2.80	-3.80		56	4		-1	32		2.25		1.30	2.90			-2.71	-3.38	
35.256	77.653		-2.77	-2.98		55	5		1	32		2.35		1.00	2.57			-2.73	-3.10	
35.338	77.581		-2.72	-1.74		55	6		1	31		2.77		1.05	2.70			-2.69	-2.70	
35.410	77.522		-2.29	-2.88		54	8		2	32		2.90		1.00	2.90			-2.74	-2.49	
35.488	77.471		-2.73	-2.65		55	7		1	30		2.90		1.54	2.90			-2.59	-3.32	
35.578	77.416		-2.77	-2.89		55	7		2	29		2.94		1.99	2.90			-2.73	-3.15	
35.668	77.356		-2.81	-2.88		54	8		3	30		3.05		2.20	2.90			-2.73	-3.48	
35.745	77.305		-2.71	-3.50		54	8		4	30		2.84		1.64	2.56			-2.65	-3.25	
35.835	77.245		-2.74	-3.95		53	9		5	30		2.57		1.10	2.20			-2.69	-3.88	
35.911	77.193		-2.09	-2.34		53	10		5	30		2.41		1.13	2.24			-2.55	-2.54	
36.002	77.133		-2.14	-2.32		53	10		5	29		2.50		1.20	2.45			-2.72	-2.65	
36.079	77.080		-2.59	-2.05		54	10		5	28		2.50		1.05	2.45			-2.52	-2.38	
36.159	77.029		-2.78	-3.49		52	11		6	29		2.50		1.30	2.40			-2.73	-3.54	
36.232	76.973		-2.65	-2.37		51	12		8	29		2.50		1.25	2.50			-2.60	-2.80	
36.306	76.914		-2.05	-2.47		53	11		6	27		2.50		1.20	2.50			-2.55	-2.63	
36.382	76.856		-2.58	-2.67		52	11		7	27		2.56		1.30	2.41			-2.46	-2.45	
36.445	76.750		-2.49	-2.42		53	11		7	26		2.84		1.34	2.20			-2.26	-2.07	
36.517	76.661		-2.42	-1.68		53	12		8	27		2.57		1.25	2.20			-2.31	-1.77	
36.573	76.594		-2.56	-1.45		54	11		6	25		2.40		1.30	2.25			-2.93	-1.86	
36.647	76.507		-2.94	-1.26		54	11		7	24		2.50		.85	2.40			-2.72	-1.51	
36.712	76.427		-2.08	-1.48		55	11		7	23		2.35		.60	2.40					
36.774	76.349		-2.41	-2.01		53	13		9	24		2.50		.95	2.20					
36.837	76.267		-2.18	-1.98		54	12		9	23		2.40		1.00	2.20			-2.14	-2.35	
36.901	76.193		-1.79	-2.43		54	12		9	23		2.10		1.20	2.20			-2.76	-1.76	

WINTER STABILITY TABLE - 9960 CHAIN - SEGMENT 14

REFERENCE						ONI-7000#1											TDL-711		
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					ECD uS					TD BIAS uS		
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
36.983	76.158		-1.78	-1.14		55	12		9	23		1.80		1.55	2.20			-2.45	-2.02	
37.076	76.131		-1.70	.24		55	12		9	22		2.20		1.40	2.20			-2.31	-.52	
37.156	76.092		-1.09	-.08		54	13		9	22		2.41		1.13	2.41			-2.02	.49	
37.249	76.040		-1.62	-.29		54	13		9	22		2.30		1.00	2.40			-2.21	-.57	
37.317	76.007		-2.09	-.06		55	12		8	21		2.50		1.00	2.50			-1.97	-.29	
37.394	75.957		-1.90	.60		54	14		9	22		2.50		1.00	2.50			-1.85	.29	
37.468	75.896		-1.85	-.40		55	13		9	20		2.77		1.00	2.25			-1.88	.05	
37.554	75.823		-1.80	-1.11		55	14		10	20		2.57		1.00	2.20			-1.76	-.17	
37.629	75.762		-1.48	-.24		54	14		10	20		2.46		1.00	2.20			-1.96	-.38	
37.717	75.695		-1.58	-.20		53	15		12	21		2.20		1.25	2.20			-2.03	-.48	
37.796	75.643		-2.24	-1.23		55	13		10	18		2.20		1.30	2.20			-2.28	-.93	
37.861	75.598		-1.91	-.90		56	12		9	17		2.30		1.35	2.15			-2.42	-1.11	
37.951	75.533		-2.55	-.95	-.01	55	13		10	18	-4	2.20		1.30	2.16	.40		-2.52	-1.33	
38.042	75.471		-2.64	-1.23	-.26	55	13		11	18	-3	2.20		1.20	2.20	.95		-2.51	-1.51	
38.106	75.426		-2.33	-1.81	-.74	54	14		12	18	-2	2.14		1.30	2.20	.24		-2.25	-1.23	
38.183	75.373		-2.21	-.72	.01	54	14		12	18	-2	2.20		1.30	2.20	.85		-2.20	-1.07	
38.274	75.313		-2.30	-1.61	-.47	55	14		12	18	-3	2.05		1.30	2.20	.90		-2.31	-1.32	
38.337	75.269		-2.22	-.89	.06	56	13		11	17	-4	2.05		1.35	2.20	.08		-2.17	-1.25	
38.429	75.210		-1.91	-.68	.06	55	14		12	16	-4	2.20		1.51	2.20	.50		-1.84	-.86	
38.520	75.154		-1.85	-1.66	-.48	55	14		12	16	-4	2.20		1.60	2.20	.39		-1.73	-.84	
38.596	75.107		-1.95	-1.18	-.14	56	14		12	15	-4	2.50		1.60	2.38	.70		-1.88	-1.37	
38.682	75.056		-2.19	-.94	.79	57	14		11	14	-5	2.70		1.55	2.25	.55		-2.21	-.75	
38.746	75.016		-1.88	-.19	.90	57	14		11	14	-5	2.50		1.40	2.50	.45		-2.36	-.38	
38.833	74.965		-2.06	-.33	.29	58	13		10	13	-5	2.70		1.60	2.30	.90		-2.40	-.68	
38.893	74.924		-1.15	-.89	.09	58	14		11	13	-5	2.90		1.60	2.40	1.15		-1.69	-.59	
38.979	74.875		-1.74	-.88	.03	58	14		11	13	-5	2.90		1.60	2.50	.70		-2.21	-.68	
39.066	74.818		-2.38	-1.00	-.09	58	13		11	12	-6	2.45		1.60	2.40	.65		-2.34	-1.08	
39.139	74.769		-2.54	-.85	-.24	57	14		12	13	-5	2.20		1.60	2.40	.95		-2.48	-1.16	
39.209	74.718		-2.18	-1.08	-.05	56	15		13	14	-4	2.24		1.60	2.20	.79		-2.26	-.75	
39.291	74.671		-1.73	-.23	.56	58	15		12	12	-6	2.40		1.60	2.25	-.30		-2.08	-.62	
39.353	74.619		-1.63	-.69	.18	58	14		12	12	-7	2.90		1.50	2.45	-.03		-1.74	-.95	
39.399	74.562		-1.27	-.21	.72	58	15		13	12	-7	2.90		1.75	2.20	-.07		-1.75	-.62	