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Loran C 1984 Summer Stability Data Report

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December 1986

DOT/FAA/CT-TN86/53

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16. Abstract

This report documents the Loran C time difference (TD) variation recorded in the summer over various geographical locations in the United States. The TD's presented in this report are compared with TD values measured for other seasons in other reports.

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EXECUTIVE SUMMARY

This report documents various parameters collected for the summer flights (July 31 to August 15, 1984) 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 Advisory Circular (AC) 90-45A for nonprecision approaches. This summer 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. Stability is controlled to 0.1 microsecond at the System Area Monitor (SAM), and increases in proportion to the double range difference (DRD) from the SAM (see Related Documents No. 12). Position errors are due to instability and, therefore, 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 Federal Aviation Administration (FAA) 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.

1. De Palma, Leon M. and Creamer, Paul M., Loran C Grid Calibation Requirements for Aircraft Nonprecision Approach, DOT/FAA/RD-81/65, July 1982.

2. Gallagher, John and Naimo, Matthew, Aircraft Tracking and Data Systems (ATADS) En Route Accuracy, FAA Technical Center, Letter Report CT-82-100-75LR, September 1982.

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14. Lorge, Frank, Loran C 1984 Spring-Summer Stability, FAA Technical Center, Technical Note DOT/FAA/CT-TN86/10, March 1986.

15. Lorge, Frank, Loran C 1984 Spring-Summer Winter Stability, FAA Technical Center, Technical Note DOT/FAA/CT-TN86/18, June 1986.

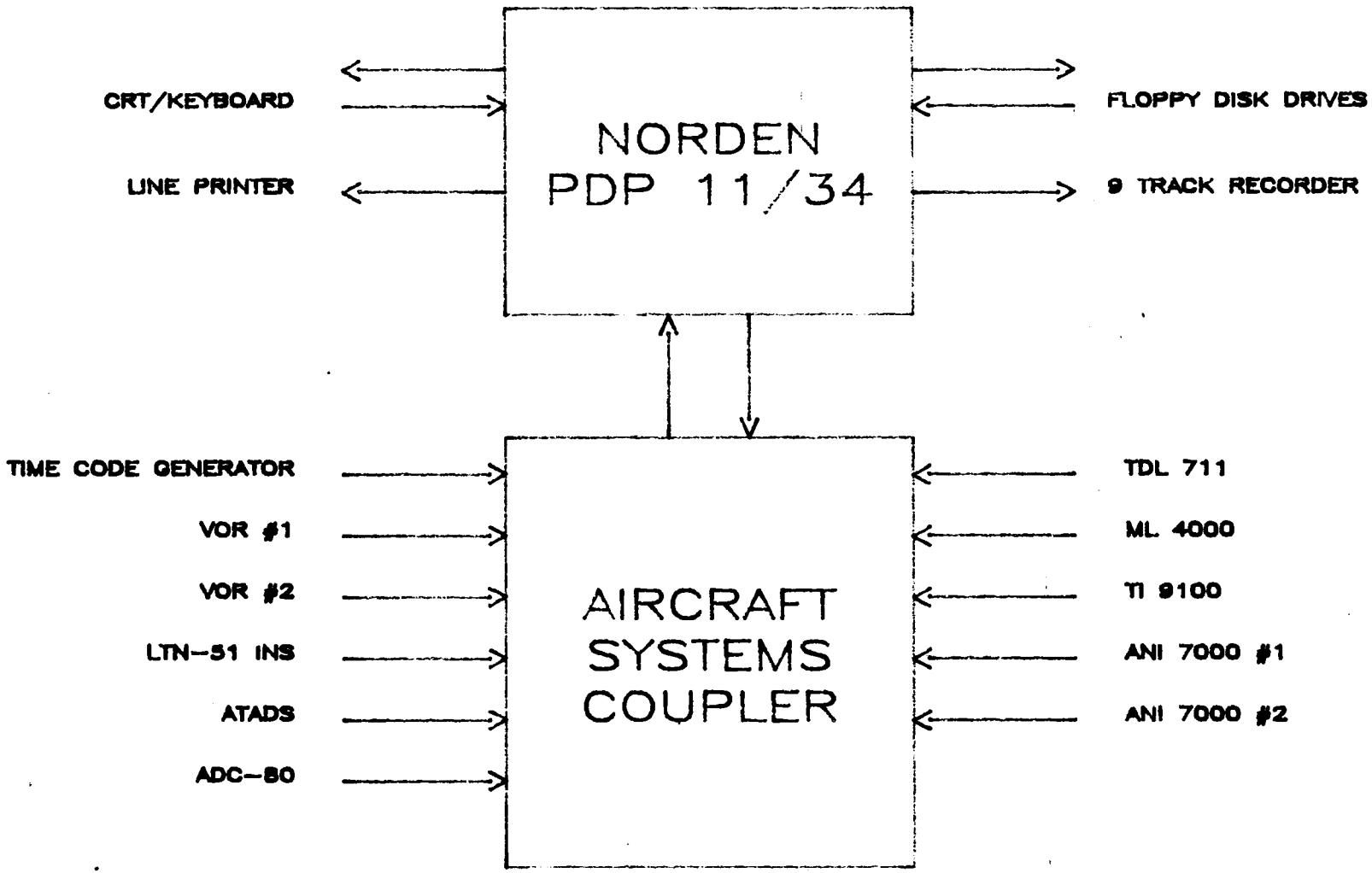
DATA COLLECTION SYSTEM

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 coterminous 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

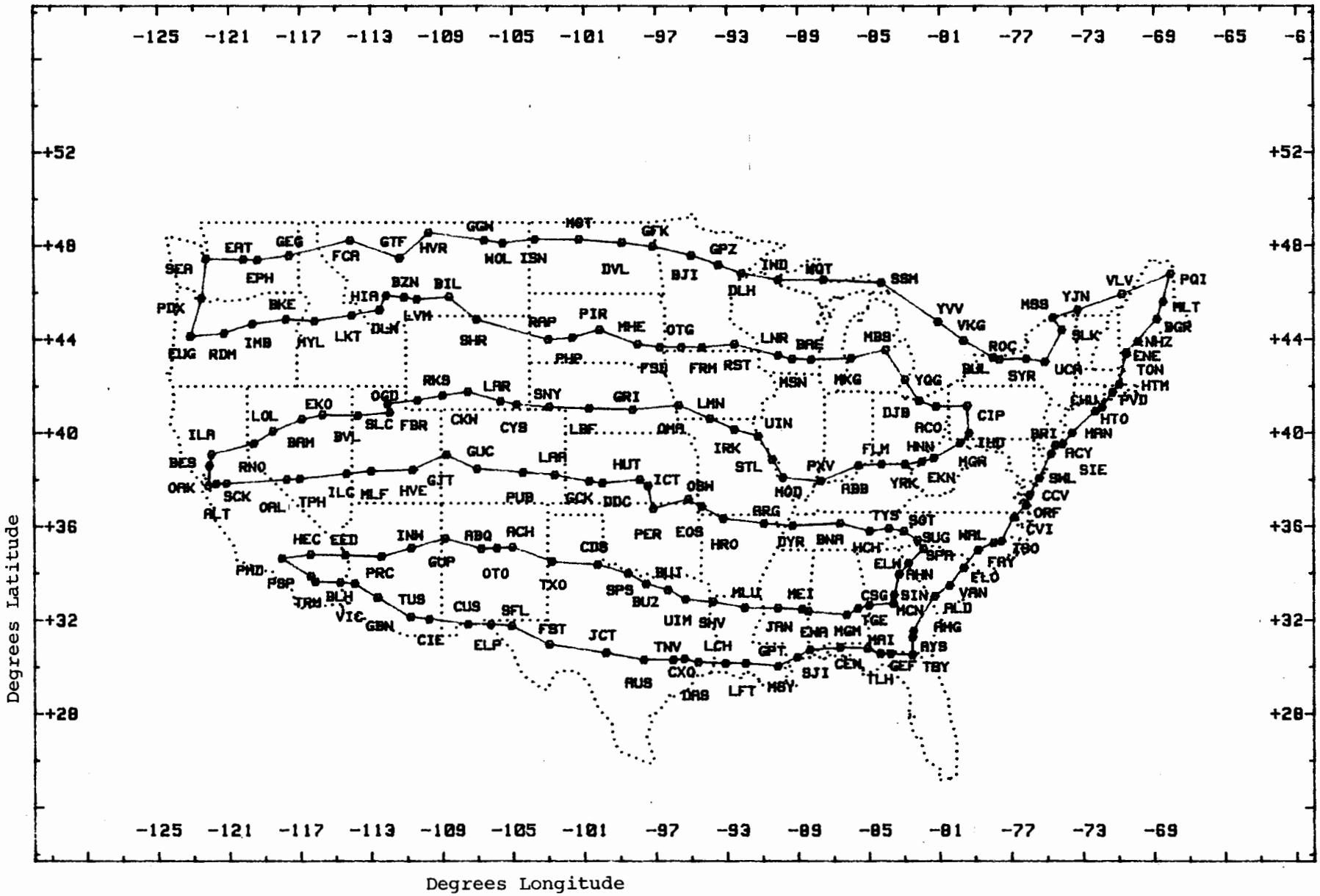


FIGURE 2. FLIGHT PROFILE

TEST RESULTS

DESCRIPTION OF DATA REDUCTION AND ANALYSIS.

The data for the summer stability test flights were collected between July 31 and August 15, 1984. 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. For the TDL-711 receiver, only TD bias is presented.

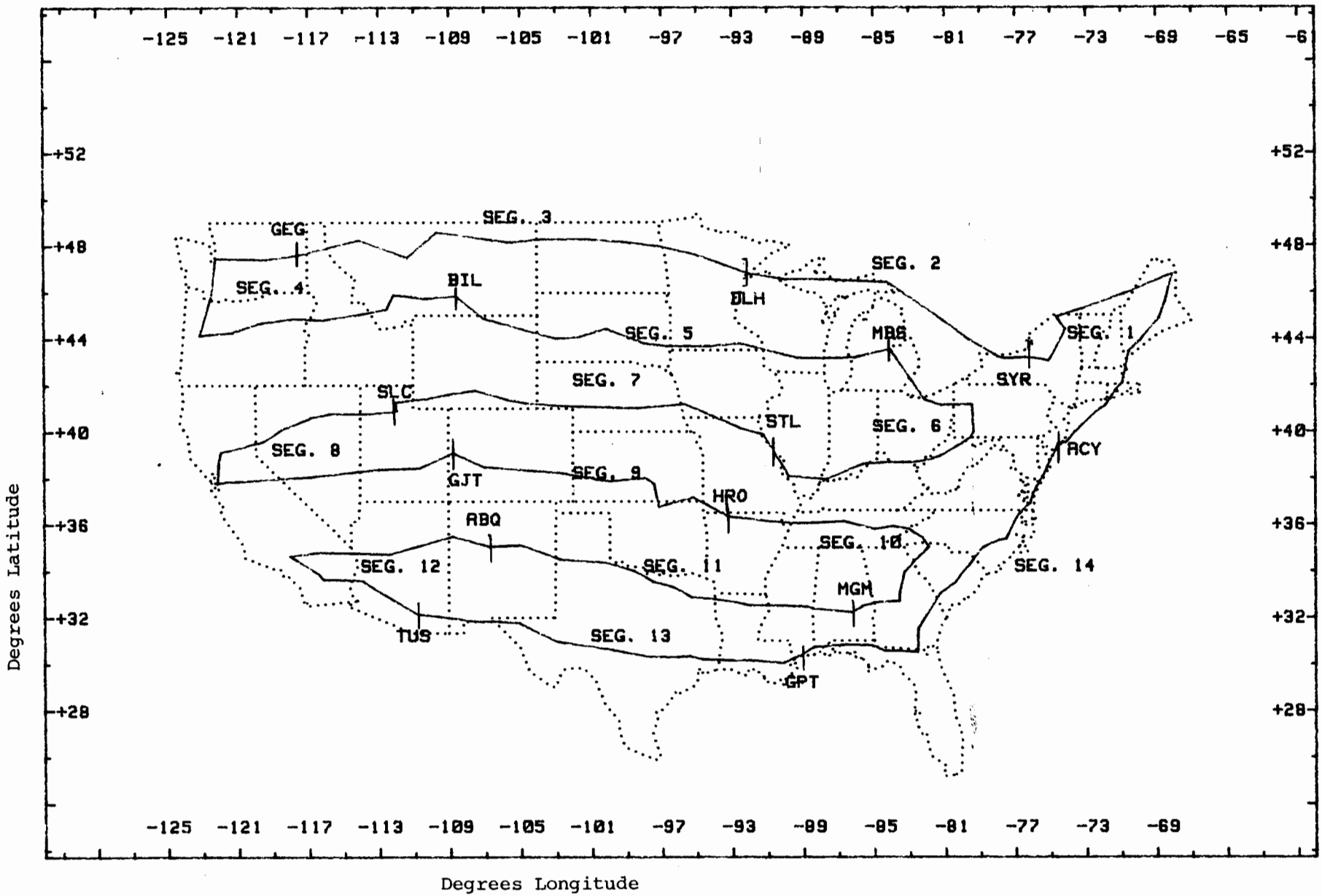


FIGURE 3. DATA REDUCTION SEGMENTS

TABLE 1. SUMMER 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. SUMMER STABILITY EXAMPLE DATA TABLE

SUMMER 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
41.114	80.657		1.18	.89	-1.90	56	21		-7	3	13	2.70		-.30	1.15	1.60			.85	-2.15
41.118	80.550		1.11	1.37	-1.70	55	22		-6	4	14	2.50		-.30	.90	1.60			.93	-2.17
41.123	80.442		1.09	.89	-2.29	56	21		-6	2	13	2.50		.32	1.10	1.65			.84	-2.16
41.126	80.334		1.62	1.11	-1.93	55	22		-5	3	13	2.50		.10	1.25	1.60			1.01	-1.97
41.132	80.227		1.09	.63	-2.90	55	22		-5	3	13	2.50		.07	.95	1.60			.86	-2.06
41.135	80.120		1.08	1.16	-1.25	56	22		-6	3	13	2.50		-.15	.70	1.60			1.02	-1.70
41.137	80.013		1.07	.51	-2.57	55	23		-5	4	13	2.50		-.55	.65	1.70			.65	-1.96
41.138	79.905		1.41	1.20	-1.69	54	23		-4	4	13	2.50		-.90	.75	1.90			1.24	-1.38
41.138	79.796		1.82	1.80	-1.05	56	22		-5	3	11	2.50		-.90	1.00	2.00			1.42	-1.25
41.138	79.689		1.20	1.06	-1.21	55	23		-4	3	11	2.50		-.90	.75	1.80			1.18	-1.27
41.139	79.580		1.33	1.36	-1.34	56	22		-5	2	10	2.25		-1.00	.70	1.75			1.41	-1.48
41.133	79.476		1.13	1.76	-.64	55	23		-4	3	10	2.63		-.90	1.00	1.60			2.19	-.35
41.061	79.449		.99	2.05	.22	55	23		-4	3	10	2.90		-.35	1.10	1.35			2.39	.37
40.986	79.437		1.00	2.31	.21	55	23		-2	4	10	2.63		.07	.85	1.60			2.21	.19
40.910	79.428		.65	2.45	.62	56	23		-3	4	10	2.50		.13	.95	1.80			2.42	.51
40.835	79.418		.77	2.06	.23	57	22		-3	2	9	2.90		.38	1.00	1.90			2.39	.34
40.759	79.409		.89	2.07	.53	57	21		-3	3	8	2.40		.40	.95	1.90			2.46	.35
40.683	79.401		.85	3.43	.93	56	22		-2	4	10	2.25		.55	1.00	1.90			2.68	.59
40.607	79.394		.60	2.15	.52	55	23		-1	5	11	2.77		.55	1.00	2.05			2.59	.70
40.531	79.386		.56	1.95	.29	55	22		-1	5	11	2.70		.55	.90	2.15			2.56	.52
40.455	79.379		.66	3.24	.79	54	23		0	6	12	2.50		.25	.90	2.00			2.50	.38
40.380	79.374		.24	1.96	.23	54	22		0	6	12	2.20		.27	.75	2.05			2.47	.41
40.305	79.372		.41	1.94	.18	53	23		1	7	13	2.30		.70	.80	2.00			2.51	.72
40.229	79.367		.45	1.99	.22	56	20		-2	4	10	2.40		-.28	.50	2.15			2.38	.37
40.155	79.364		.68	1.49	-.15	53	22		1	7	13	2.20		-.55	.60	2.00			1.93	-.17
40.079	79.361		.75	2.93	.60	55	20		0	6	11	2.20		.08	.85	1.85			2.19	.35
40.003	79.354		.10	1.07	-.70	54	20		1	7	11	2.20		.75	.95	2.00			1.55	-.46
39.935	79.382		-.17	1.14	-.20	55	18		2	6	10	2.20		1.10	.90	1.60			1.08	-.50
39.879	79.442		-.08	1.39	-.26	55	18		2	7	11	2.20		1.35	.80	1.75			1.08	-.63
39.821	79.503		-.17	1.32	-.28	56	17		1	6	9	2.20		1.18	.88	1.72			1.48	-.21
39.769	79.568		-.07	1.36	-.27	55	18		2	7	11	2.05		1.25	.80	1.65			1.38	-.43
39.719	79.639		.06	1.29	-.41	55	17		1	6	11	1.90		1.15	.45	1.95			1.28	-.41
39.670	79.709		-.10	.76	-.89	54	17		2	7	12	1.65		1.00	.60	2.10			1.14	-.54
39.621	79.779		-.04	1.21	-.52	54	16		2	6	12	1.15		1.15	.18	2.15			1.10	-1.25
39.563	79.844		.35	3.21	1.04	55	15		1	5	11	1.25		.95	.13	1.90			2.03	-.10
39.500	79.890		.43	1.28	-1.09	55	14		0	5	10	1.05		.95	.20	2.10			1.68	-.19
39.426	79.912		.10	1.56	-.37	54	15		0	7	12	1.05		.58	.33	2.20			1.03	-.91
39.350	79.939		-.19	1.74	-.35	54	16		-1	7	12	1.45		-.35	.40	2.20			1.45	-.30
39.277	79.969		-.57	.67	-.94	53	17		-1	9	13	1.80		-.70	.55	2.20			1.12	-.66
39.205	79.993		-.56	.64	-1.16	55	16		-3	7	11	2.20		-.60	.62	2.20			.99	-1.02
38.882	80.180		-.58	1.27	-.18	53	15		-3	9	12	2.20		-.60	.40	2.20			1.30	-1.03
38.876	80.273		-.48	1.02	-.76	54	15		-4	8	12	2.35		-.60	.20	2.20			1.15	-.96
38.868	80.365		-.68	1.04	-.63	54	15		-4	9	12	2.20		-.60	.33	2.20			1.02	-1.09
38.862	80.457		-.61	.65	-1.33	55	14		-5	7	11	2.20		-.36	0.00	2.08			.55	-1.24
38.857	80.551		-.44	1.03	.27	54	16		-4	9	13	2.20		-.40	-.40	2.00			.92	-.63
38.851	80.643		-.25	1.07	-.70	54	15		-3	8	13	2.15		-.35	-.35	2.10			1.12	-.44
38.844	80.736		-.26	.89	.04	54	15		-4	8	13	1.90		-.60	-.05	1.90			1.05	-.31
38.835	80.829		-.35	1.28	-.06	55	15		-5	8	13	2.15		-.40	.02	1.85			1.13	-.16
38.829	80.921		-.37	.87	.00	55	15		-5	8	14	2.20		-.55	.50	1.90			1.04	-.55

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 USCG predicted coverage.

i. Close to baseline extension.

j. Lost ATADS.

CONCLUSIONS

The 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 time difference (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

SUMMER STABILITY TABULAR DATA

SUMMER STABILITY TABLE - 7980 CHAIN - SEGMENT 2

REFERENCE							ON1-7000#1										TDL-711			
LAT	LONG	TD BIAS uS				ATM NOISE	SNR dB					CCD uS					TD BIAS uS			
DEG		MW	MX	MY	MZ	dB	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
46.573	87.992																			
46.549	88.101					48		-10					0.00							
46.544	88.217					49		-10					.08							
46.537	88.332					49		-10					08							
46.539	88.448					48		-10					.38							
46.541	88.564					50		-11					.07							
46.544	88.699					50		-11					.27							
46.547	88.794					49		-10					.40							
46.541	88.909					49		-10					.27							
46.536	89.024					50		-11					.02							
46.531	89.137					49		-10					-.35							
46.525	89.251					49		-10			-14		-.30			2.10				
46.518	89.364					49		-10					-.20							
46.515	89.476					47		-9					-.20							
46.511	89.590					47		-9					-.40							
46.508	89.702					48		-10					-.50							
46.509	89.814					49		-11					-.40							
46.509	89.925					48		-10					-.42							
46.522	90.036					48		-10					-.40							
46.534	90.149					48		-9					-.35							
46.546	90.259					48		-9					-.60							
46.559	90.368					48		-9					-.60							
46.572	90.479					48		-9					-.60							
46.581	90.590					48		-9					-.60							
46.588	90.702					48		-9					-.65							
46.594	90.815					50		-11					-.70							
46.599	90.928					49		-10					-.70							
46.605	91.040					48		-9					-1.00							
46.613	91.154					49		-11					-1.20							
46.627	91.273					49		-10					-1.15							
46.642	91.391					49		-10					-1.20							
46.658	91.489					48		-10					-1.20							
46.675	91.610					48		-10					-1.20							

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SUMMER 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
46.905	92.361																			
46.908	92.450																			
46.917	92.535																			
46.936	92.618																			
46.965	92.695																			
46.987	92.788																			
47.000	92.856																			
47.017	92.940																			
47.036	93.024																			
47.059	93.110																			
47.084	93.205																			
47.109	93.307																			
47.134	93.412							-7												
47.161	93.515					51		-8						.70						
47.189	93.620					51		-9						1.00						
47.221	93.721					51		-9						1.00						
47.252	93.822					52		-10						1.00						
47.282	93.924					52		-10						.80						
47.318	94.045					52		-11						.55						
47.344	94.130					53		-12						.02						
47.372	94.235					54		-14						-.25						
47.386	94.346					56		-16						-.25						
47.398	94.458					56		-15						-.35						
47.415	94.570					54		-13						-.30						
47.452	94.667					53		-13						-.60						
47.502	94.756					52		-12						-.70						
47.539	94.856					51		-11						-.54						
47.558	94.968																			
47.579	95.079																			
47.594	95.191																			
47.614	95.301																			
47.639	95.410																			
47.661	95.518																			
47.685	95.627																			

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SUMMER 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
43.649	95.567																			
43.653	95.461																			
43.660	95 359																			
43.667	95.254																			

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SUMMER 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
40.746	79.408					57					3					.65				
40.670	79.400					56					4					1.05				
40.595	79.393				-2.29	55	-13				5	-.75				.95				
40.518	79.385					55					5					1.00				
40.443	79 377					54					6					.95				
40.368	79.374					54					7					.65				
40.292	79.371					54					6					.70				
40.217	79.368					55					5					.65				
40.142	79.362				-2.62	53	-10				8	-1.87				.65				
40.066	79.360				-2.31	55	-12				6	-2.37				.70				
39.990	79.354				-2.19	54	-11				7	-2.50				.95				
39.925	79.392				-3.15	55	-12				7	-2.37				.70				
39.869	79.452				-2.38	55	-12				7	-2.30				.85				
39.812	79.513				-2.53	56	-13				5	-2.18				.64				
39.760	79.580				-2.40	54	-11				7	-2.10				.55				
39.710	79.652				-2.28	55	-12				6	-2.43				.60				
39.663	79.720				-2.24	54	-11				7	-2.50				.70				
39.612	79.789				-2.58	55	-12				5	-2.50				.33				
39.554	79.856				-2.46	55	-11				5	-2.50				-.13				
39.486	79.897				-2.24	55	-11				5	-2.43				0.00				
39.411	79.917				-1.81	54	-10				7	-2.17				.13				
39.339	79.941				-2.27	54	-10				7	-2.10				.20				
39.266	79.970				-2.39	54	-10				9	-2.23				.40				
39.193	79.998				-1.75	55	-11				7	-2.10				.60				
38.881	80.195				-2.65	54	-9				9	-2.05				.33				
38.874	80.303				-2.11	55	-11				8	-2.05				-.10				
38.867	80.381				-2.10	54	-10				9	-1.90				.07				
38.862	80.474				-2.03	55	-11				7	-1.92				-.12				
38.856	80.567				-2.47	54	-9				9	-2.10				-.20				
38.850	80.659				-2.54	54	-9				8	-1.90				-.20				
38.840	80.750				-2.67	54	-9				8	-1.85				-.10				
38.834	80.844				-2.65	54	-9				8	-1.80				.20				
38.826	80.935				-2.28	55	-10				7	-1.85				.40				
38.819	81.029				-3.35	54	-9				8	-2.05				.40				
38.806	81.120				-2.35	53	-8				9	-2.05				.60				
38.795	81.212				-2.02	55	-10				8	-2.10				.65				
38.786	81.303				-2.55	54	-9				8	-2.10				.10				
38.778	81.396				-2.26	54	-9				8	-2.10				.40				
38.771	81.488				-1.98	54	-9				7	-2.10				.10				
38.764	81.582				-2.16	55	-9				6	-2.10				.27				
38.757	81.674				-2.09	55	-7				8	-2.10				.50				
38.749	81.767				-2.12	55	-7				6	-1.85				.40				
38.742	81.860				-2.09	54	-6				8	-1.80				.55				
38.739	81.954				-2.17	56	-7				6	-1.80				.55				
38.733	82.047				-2.48	55	-6				7	-1.74				.76				
38.725	82.139				-2.40	56	-6				6	-1.30				1.00				
38.713	82.232				-1.95	54	-4				8	-1.25				.95				
38.700	82.324				-1.98	55	-4				7	-1.20				.95				
38.688	82.416				-2.08	55	-4				5	-1.20				.60				

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SUMMER 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
38.676	82.507				-1.68	56	-5				4	-1.20				.45				
38.665	82.599				-1.33	56	-4				5	-1.20				.20				
38.654	82.690				-1.37	56	-4				4	-1.10				.22				
38.643	82.782				-1.38	54	-3				6	-1.20				.65				
38.632	82.875				-1.89	54	-2				6	-1.00				.50				
38.630	82.967				-1.65	54	-2				6	-1.00				.20				
38.627	83.062				-1.74	54	-2				5	-.90				.20				
38.627	83.152				-2.05	54	-1				5	-.75				.13				
38.624	83.245				-1.39	55	-2				4	-.75				.40				
38.623	83.337				-1.49	55	-2				3	-.60				.40				
38.621	83.430				-1.17	55	-1				3	.15				.40				
38.620	83.523				-.93	54	2				4	.33				-.07				
38.618	83.617				-.40	56	1				2	.33				-.10				
38.618	83.711				-1.07	54	3				4	.76				-.04				
38.617	83.806				-.69	58	-1				0	1.00				.33				
38.616	83.900				-.96	57	1				1	1.05				.45				
38.616	83.995				-.49	57	2				1	1.30				.40				
38.615	84.089				-.38	56	3				2	1.40				.70				
38.616	84.183				-.27	55	3				3	1.30				.75				
38.616	84.279				-.32	56	3				2	1.30				.48				
38.618	84.376				-.38	55	4				3	1.60				.50				
38.633	84.467				-.38	55	4				3	1.55				.45				
38.627	84.559				-.43	56	4				2	1.20				.55				

SUMMER 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
38.794	90.386	-.72				60	1	4				2.20	2.35							
38.843	90.388	-.58				60	1	4				2.20	2.20							
38.894	90.397	-.44				61	1	4				2.15	2.20							
38.947	90.405	-.45				61	1	4				1.95	2.10							
39.006	90.413	-.46				60	-1	3				2.15	2.05							
39.064	90.419	-.39				58	0	4				2.25	2.30							
39.118	90.431	-.20				59	-1	4				2.20	2.30							
39.158	90.487	.00				59	-1	3				2.20	2.30							
39.196	90.542	-.04				61	-4	-0				1.85	2.05							
39.236	90.602	-.04				60	-3	1				2.10	2.25							
39.278	90.661	-.24				58	-1	2				2.30	2.30							
39.318	90.721	-.54				59	-2	1				2.50	1.90							
39.358	90.783	-.24				58	-1	2				2.50	1.70							
39.398	90.847	-.30				59	-2	2				2.25	1.45							
39.442	90.900	-.28				57	-0	2				2.10	1.35							
39.492	90.952	-.27				59	-2	-0				2.05	1.25							
39.546	91.009	-.26				60	-3	-1				2.15	1.40							
39.603	91.068	-.25				59	-3	-1				2.10	.85							
39.664	91.109	-.31				59	-3	-1				2.20	.75							
39.736	91.139	-.11				59	-3	-1				2.14	.70							
39.787	91.210	-.10				58	-2	0				2.00	.65							
39.830	91.289	-.08				62	-7	-4				1.90	.75							
39.870	91.369	-.20				60	-5	-1				1.90	1.60							
39.895	91.459	-.30				59	-4	0				1.90	1.50							
39.912	91.552	-.44				58	-3	1				1.85	1.55							
39.930	91.650	-.43				58	-3	2				1.90	1.45							
39.954	91.742	-.48				58	-3	2				1.90	1.75							
39.983	91.834	-.47				57	-2	3				2.15	1.60							
40.002	91.929	-.65				57	-3	2				2.00	1.35							
40.019	92.025	-.24				57	-4	2				1.80	.90							
40.035	92.122	-.61				57	-3	2				1.85	1.20							
40.050	92.217	-.44				58	-4	2				1.90	1.20							
40.073	92.308	-.65				57	-4	1				1.90	1.35							
40.097	92.400	-.77				58	-5	0				1.80	1.80							
40.122	92.494	-.67				56	-3	2				1.35	.95							
40.146	92.586	-.72				54	-2	4				1.25	.70							
40.168	92.678	-.70				56	-4	2				1.30	.85							
40.193	92.765	-.78				55	-3	2				1.30	1.06							
40.221	92.856	-.87				55	-3	2				1.30	.80							
40.250	92.941	-.92				55	-3	2				1.40	.65							
40.282	93.029	-.89				56	-4	1				1.30	1.00							
40.312	93.117	-.89				55	-3	2				1.30	1.20							
40.341	93.207	-.91				56	-4	2				1.25	.85							
40.371	93.295	-.92				54	-3	3				1.00	.70							
40.402	93.386	-.79				55	-4	2				1.30	.65							
40.433	93.475	-.76				57	-6	0				1.30	1.00							
40.464	93.565	-.88				55	-4	2				1.30	.85							
40.497	93.653	-.92				55	-4	2				1.25	1.00							
40.529	93.745	-1.12				56	-5	1				1.25	1.10							

SUMMER 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
40.555	93.835	-.99				56	-5	0				1.05	1.25							
40.584	93.923	-1.11				56	-5	0				1.00	.70							
40.614	94.016	-1.09				56	-5	0				1.10	.32							
40.638	94.105	-.94				56	-5	0				1.05	.22							
40.672	94.191	-.84				56	-6	0				.75	.08							
40.707	94.275	-.98				55	-5	1				.90	.70							
40.740	94.361	-1.16				55	-5	2				1.15	.60							
40.772	94.448	-1.02				54	-4	2				1.05	.60							
40.802	94.537	-1.05				55	-5	1				1.15	.85							
40.830	94.625	-.98				55	-5	1				1.25	.85							
40.856	94.716	-.97				54	-4	2				1.15	.50							
40.880	94.807	-.74				54	-5	2				1.15	.80							
40.905	94.900	-.98				54	-5	2				1.10	.55							
40.930	94.991	-.83				54	-5	1				1.30	.70							
40.955	95.082	-.74				54	-5	2				1.30	1.10							
40.980	95.172	-.81				54	-5	2				1.30	.90							
41.013	95.258	-.70				54	-6	1				1.30	1.00							
41.047	95.344	-.84				54	-6	1				1.15	1.15							
41.080	95.428	-.84				54	-6	1				1.00	.85							
41.106	95.521	-.91				54	-6	1				1.00	.75							
41.133	95.612	-.95				53	-5	2				1.10	1.35							
41.155	95.704	-.79				54	-6	2				1.00	1.25							
41.169	95.810	-.97				54	-7	1				1.00	1.25							
41.162	95.892	-.89				53	-6	1				1.00	1.45							
41.156	95.986	-.91				53	-6	1				1.00	1.25							
41.150	96.082	-.96				53	-6	1				.95	1.25							
41.142	96.177	-.80				53	-6	1				.85	1.25							
41.138	96.272	-.85				53	-6	1				.55	1.25							
41.136	96.367	-.95				53	-6	1				.40	1.35							
41.134	96.461	-1.10				53	-7	1				.40	1.30							
41.131	96.555	-.85				53	-7	1				.40	1.25							
41.129	96.650	-.79				53	-7	1				.40	1.20							
41.127	96.744	-.91				53	-7	0				.40	.75							
41.120	96.837	-.96				52	-6	1				.40	1.00							
41.114	96.932	-.77				53	-7	0				.40	1.10							
41.104	97.026	-.90				54	-8	-1				.40	.90							
41.095	97.121	-.62				54	-8	-1				.20	1.10							
41.084	97.215	-.58				53	-7	-0				.20	.75							
41.075	97.311	-.41				53	-7	0				.33	1.20							
41.065	97.404	-.36				52	-6	1				.40	.80							
41.057	97.498	-.36				53	-7	0				.40	.95							
41.051	97.594	-.26				52	-6	1				.40	.94							
41.046	97.688	-.17				53	-7	1				.40	.65							
41.042	97.782	-.40				52	-6	1				.40	.60							
41.033	97.876	-.48				52	-6	1				.40	.80							
41.022	97.969	-.46				52	-6	1				.40	1.00							
41.013	98.061	-.50				52	-7	1				.40	.95							
41.006	98.154	-.39				51	-6	1				.40	1.00							
40.998	98.246	-.64				51	-6	1				.40	1.25							

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SUMMER 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
40.992	98.340	-.51	-1.65			51	-6	1	-6			.40	1.45	2.00						
40.995	98.434	-.43	-1.66			52	-7	1	-7			.40	1.10	1.60						
40.994	98.529	-.67	-2.31			51	-6	1	-6			.40	.65	1.35						
41.001	98.621	-.53	-2.26			50	-5	2	-5			.40	.55	.85						
41.007	98.716	-.60	-2.24			51	-6	2	-6			.40	1.00	.70						
41.002	98.810	-.62	-1.90			51	-6	1	-6			.40	1.15	.85						
41.001	98.906	-.46	-1.68			54	-10	-2	-10			.20	1.05	1.50						
41.000	99.003	-.33	-1.30			55	-11	-3	-11			.07	.85	1.60						
41.010	99.098	-.69	-2.16			53	-9	-1	-9			.27	.75	1.45						
41.023	99.195	-.59	-2.42			51	-7	1	-7			0.00	.85	1.45						
41.038	99.291	-.61	-2.01			52	-8	-1	-8			-.05	.90	1.55						
41.046	99.388	-.74	-1.96			52	-8	-1	-7			0.00	.75	1.60						
41.047	99.485	-.84	-2.40			53	-9	-2	-8			-.20	.55	1.40						
41.047	99.583	-.96	-2.32			53	-9	-2	-8			-.40	.40	1.30						
41.046	99.681	-.75	-2.23			55	-11	-4	-10			-.55	.40	1.30						
41.044	99.779	-.61	-2.02			58	-14	-7	-13			-.60	.40	1.30						
41.040	99.877	-.38	-2.42			62	-19	-11	-17			-.60	.40	1.30						
41.035	99.976	-1.02	-2.42			66	-23	-15	-21			-.50	.40	1.30						
41.032	100.076	-.96	-1.92			62	-19	-11	-17			-.30	.40	1.30						
41.033	100.177	-.98	-2.35			61	-18	-10	-16			-.30	.40	1.30						
41.040	100.276	-.97	-2.35			59	-16	-8	-14			-.30	.40	1.35						
41.042	100.376	-1.06	-2.46			55	-12	-3	-10			-.25	.65	1.60						
41.037	100.476	-1.05	-2.43			51	-8	1	-6			-.30	.90	1.60						
41.042	100.577	-.94	-2.40			51	-8	2	-6			-.30	.95	1.65						
41.048	100.676	-.85	-2.26			50	-7	2	-5			-.35	1.00	1.70						
41.056	100.776	-1.07	-2.40			51	-8	1	-6			-.60	1.45	1.75						
41.051	100.876	-1.10	-2.22			51	-8	1	-6			-.60	1.40	1.80						
41.050	100.977	-.87	-2.61			50	-8	1	-5			-.60	1.55	1.90						
41.055	101.078	-.59	-2.05			50	-8	1	-6			-.60	1.30	1.90						
41.058	101.179	-.99	-1.90			50	-8	1	-6			-.50	1.30	1.90						
41.060	101.281	-1.06	-2.21			50	-8	1	-6			-.60	1.10	1.90						
41.061	101.384	-.97	-2.10			50	-8	1	-5			-.60	1.30	1.90						
41.062	101.485	-.90	-2.16			51	-9	1	-6			-.60	1.35	2.20						
41.063	101.588	-.84	-2.19			51	-9	0	-6			-.75	1.30	2.20						
41.065	101.690	-.91	-2.04			51	-9	0	-6			-.65	1.50	2.20						
41.066	101.792	-.80	-2.13			51	-9	0	-6			-.60	1.50	2.20						
41.069	101.891	-.90	-2.44			51	-9	1	-6			-.60	1.40	2.20						
41.071	101.994	-.72	-2.05			50	-9	1	-5			-.60	1.48	2.20						
41.075	102.114	-.78	-2.23			50	-9	1	-6			-.60	1.45	2.20						
41.077	102.197	-.73	-2.28			51	-10	0	-7			-.60	1.60	2.20						
41.084	102.297	-.68	-1.85			51	-11	-1	-7			-.60	1.60	2.20						
41.094	102.398	-.73	-2.00			51	-11	-1	-7			-.60	1.60	2.20						
41.100	102.494	-.98	-2.06			50	-10	0	-6			-.90	1.70	2.20						
41.102	102.595	-1.26	-2.53			50	-10	0	-6			-.90	1.60	2.20						
41.101	102.699	-1.23	-2.32			50	-10	0	-6			-.90	1.60	2.20						
41.097	102.802	-1.14	-2.44			51	-11	-1	-7			-.95	1.60	2.20						
41.092	102.904	-.94	-1.76			50	-11	0	-6			-.90	1.60	2.20						
41.093	103.007	-.70	-2.05			50	-11	0	-6			-.90	1.60	2.20						
41.098	103.108	-.85	-2.55			50	-11	-1	-6			-1.00	1.60	2.20						

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SUMMER 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
41.110	103.206	-1.21	-2.59			50	-11	-1	-6			-.95	1.60	2.45						
41.122	103.308	-1.08	-2.34			50	-11	-1	-6			-1.20	1.60	2.50						
41.134	103.408	-1.11	-2.55			50	-11	-1	-6			-1.20	1.60	2.50						
41.146	103.509	-1.30	-2.67			50	-12	-1	-6			-1.20	1.60	2.45						
41.157	103.609	-1.12	-2.58			50	-12	-2	-6			-1.20	1.60	2.50						
41.163	103.712					50		-2	-6				1.60	2.50						
41.168	103.818					50		-2	-6				1.60	2.50						
41.171	103.921					50		-2	-6				1.50	2.40						
41.174	104.024					49		-1	-5				1.30	2.20						
41.176	104.125					50		-2	-6				1.30	2.20						
41.180	104.222					50		-2	-7				1.30	2.20						
41.186	104.324					50		-1	-7				1.30	2.20						
41.191	104.424					49		-1	-6				1.30	2.20						
41.197	104.523					50		-2	-7				1.30	2.20						
41.204	104.638					50		-3	-7				1.35	2.25						
41.209	104.721					50		-3	-7				1.60	2.20						
41.216	104.820					49		-2	-6				1.60	2.20						
41.231	104.918					49		-2	-6				1.40	2.20						
41.248	105.014					49		-2	-6				1.25	2.20						
41.265	105.109					50		-3	-7				1.30	2.20						
41.281	105.205					49		-3	-7				1.30	2.20						
41.296	105.303					50		-4	-8				1.35	2.20						
41.304	105.401					49		-4	-8				1.35	2.20						
41.315	105.499					49		-5	-8				1.60	2.20						
41.326	105.597					48		-4	-8				1.50	2.20						
41.335	105.693					48		-4	-8				1.60	2.20						
41.354	105.787					49		-5	-9				1.60	2.20						
41.373	105.881					49		-6	-10				1.60	2.20						
41.392	105.977					49		-6	-10				1.50	2.20						
41.409	106.072					49		-6	-10				1.30	2.20						
41.421	106.169					49		-6	-11				1.30	2.20						
41.435	106.267					50		-6	-12				1.30	2.20						
41.448	106.367					50		-7	-13				1.30	2.20						
41.470	106.463					50		-8	-15				1.30	2.20						
41.495	106.559					50		-8	-15				1.30	2.20						
41.520	106.651					49		-8	-15				1.30	2.20						
41.548	106.743					49		-8	-15				1.30	2.20						
41.570	106.837					50		-9	-16				1.30	2.20						
41.594	106.931					49		-9	-15				1.38	2.20						
41.613	107.011					49		-9	-15				1.30	2.05						
41.637	107.123					50		-10	-16				1.30	1.90						
41.658	107.215					50		-10	-16				1.30	1.90						
41.684	107.308					50		-10	-17				1.30	1.90						
41.707	107.402					50		-10	-17				1.30	1.90						
41.728	107.497					50		-10	-17				1.30	1.90						
41.748	107.592					50		-10	-17				1.30	1.90						
41.730	107.686					50		-11	-17				1.30	1.90						
41.727	107.802					51		-12	-18				1.30	1.90						
41.722	107.902					50		-11	-17				1.30	1.90						

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SUMMER 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
41.712	108.003					50		-12	-17				1.30	1.85						
41.697	108.103					50		-12	-17				1.30	1.90						
41.682	108.203					50		-12	-17				1.30	1.90						
41.667	108.303					50		-12	-17				1.30	1.90						
41.652	108.402					50		-12	-17				1.30	1.85						
41.638	108.504					50		-12	-17				1.30	1.70						
41.624	108.604					50		-12	-17				1.15	1.60						
41.618	108.707					50		-13	-18				1.05	1.60						
41.612	108.808					50		-13	-18				1.00	1.60						
41.598	108.909					50		-13	-18				1.00	1.60						
41.578	109.008					50		-13	-18				1.00	1.60						
41.571	109.110																			

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SUMMER 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
38.746	107.877					47		-4	-8				.20	1.15						
38.719	107.801					48		-5	-9				.33	1.05						
38.702	107.751					48		-5	-9				.30	1.00						
38.683	107.676					48		-5	-9				.40	1.00						
38.654	107.575					48		-5	-9				.40	1.00						
38.612	107.472					49		-6	-10				.40	1.00						
38.573	107.389					48		-5	-8				.40	1.00						
38.553	107.347					47			-7				.40	1.00						
38.413	106.835					45		1	-3				40	70						
38.365	105.834					46		3	-4				1.00	.40						
38.365	105.740					45		3	-1				1.05	50						
38.365	105.645					45		4	3				1.00	.50						
38.364	105.549					46		3	2				1.00	.55						
38.363	105.457					46		3	1				1.00	.70						
38.360	105.363					46		4	1				1.00	.70						
38.356	105.268					46		5	0				1.15	.50						
38.349	105.175					46		6	1				1.25	.40						
38.341	105.081					46		6	3				1.55	.50						
38.332	104.987					46		6	3				1.60	.90						
38.323	104.893					46		6	4				1.65	1.15						
38.315	104.799					47		6	3				1.75	1.20						
38.310	104.705					46		6	4				1.75	1.25						
38.305	104.610					47		6	3				1.60	1.25						
38.299	104.515					47		6	4				1.70	1.55						
38.291	104.422					47		7	5				1.65	1.80						
38.286	104.326					47		6	4				1.45	1.90						
38.278	104.226					47		6	4				1.50	1.65						
38.271	104.132					46		7	5				1.70	1.70						
38.266	104.035					47		7	4				1.85	1.90						
38.258	103.940					47		8	5				1.90	1.75						
38.250	103.844					47		7	5				1.90	1.90						
38.245	103.748					47		7	5				1.90	1.70						
38.240	103.652					47		7	5				1.85	1.60						
38.237	103.558					48		8	5				1.95	1.85						
38.233	103.463					47		8	5				2.15	2.00						
38.229	103.370					48		8	5				2.10	1.85						
38.224	103.277					48		7	4				2.00	1.90						
38.218	103.182					48		8	4				1.90	1.90						
38.212	103.084					47		9	5				1.95	1.50						
38.205	102.994					48		8	5				2.05	1.65						
38.200	102.900					48		8	5				2.00	1.65						
38.203	102.801					48		8	5				1.85	1.60						
38.201	102.707					48		8	5				1.90	1.65						
38.187	102.612					48		8	5				1.90	1.35						
38.171	102.524					48		9	5				1.85	1.30						
38.157	102.427					48		9	5				2.15	1.55						
38.140	102.334					49		8	4				2.25	1.75						
38.124	102.240	-1.10	-1.95			48	-1	9	5			2.00	2.20	1.90						
38.109	102.148	-1.56	-2.17			48	-1	9	5			1.90	2.20	1.70						

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SUMMER 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
38.095	102.052	-1.17	-2.07			48	-1	10	6			1.90	2.45	1.45						
38.082	101.957	-1.10	-2.20			48	-1	10	6			1.90	2.20	1.25						
38.071	101.864	-1.15	-2.25			49	-1	9	5			1.90	2.20	1.42						
38.059	101.770	-1.02	-1.91			50	-2	9	5			1.80	2.25	1.50						
38.047	101.676	-1.08	-2.10			50	-2	8	4			1.90	2.25	1.90						
38.035	101.582	-1.09	-1.92			50	-2	8	4			1.90	2.08	1.78						
38.023	101.487	-1.15	-2.17			50	-2	8	4			1.90	2.15	1.50						
38.011	101.393	-1.71	-2.74			49	-0	10	5			1.90	2.00	1.50						
37.997	101.300	-1.16	-2.18			49	0	10	5			1.90	2.15	1.10						
37.990	101.205	-1.05	-1.96			50	-1	9	4			1.90	2.20	1.45						
37.982	101.112	-1.20	-2.27			50	-1	9	4			1.70	2.20	1.65						
37.975	101.017	-1.73	-2.89			50	-1	9	4			1.90	2.15	1.75						
37.967	100.923	-1.11	-2.17			50	-1	9	4			1.90	2.00	1.60						
37.956	100.829	-1.17	-2.27			50	-0	9	4			2.00	2.25	1.55						
37.943	100.735	-1.18	-2.45			51	-1	9	3			2.05	2.20	1.65						
37.929	100.642	-1.12	-2.53			51	-1	9	4			1.95	2.10	1.40						
37.914	100.548	-1.09	-2.19			51	-1	9	4			1.85	1.90	1.50						
37.901	100.457	-1.53	-2.45			51	1	10	5			1.90	2.00	1.85						
37.889	100.362	-1.03	-2.11			51	1	10	5			1.90	2.05	1.70						
37.881	100.268	-1.10	-2.13			51	0	10	4			1.90	2.40	1.90						
37.870	100.171	-2.49	-2.58			51	-0	10	4			1.90	2.45	1.90						
37.857	100.078	-1.28	-2.74			51	1	10	4			1.90	2.40	1.80						
37.843	99.983	-1.11	-2.22			51	1	10	4			2.05	2.45	1.60						
37.856	99.889	-1.58	-2.63			52	1	10	4			2.35	2.50	1.75						
37.866	99.793	-1.90	-2.54			52	0	9	3			2.50	2.50	1.65						
37.869	99.695	-1.77	-3.22			52	1	10	4			2.40	2.50	1.50						
37.874	99.599	-1.08	-2.30			52	-0	10	3			2.20	2.50	1.55						
37.877	99.501	-1.53	-2.55			51	1	11	4			2.20	2.45	1.40						
37.885	99.405	-1.60	-2.73			52	1	11	4			2.35	2.35	1.45						
37.893	99.309	-1.11	-2.29			52	1	10	3			2.20	2.50	1.60						
37.895	99.211	-1.02	-2.18			52	1	10	3			2.20	2.50	1.50						
37.905	99.116	-1.01	-2.02			52	1	10	3			2.15	2.40	1.85						
37.914	99.017	-1.65	-2.75			53	0	9	3			2.45	2.50	1.80						
37.923	98.923	-1.11	-2.48			52	1	10	4			2.40	2.25	1.85						
37.932	98.827	-1.42	-2.51			53	1	9	3			2.40	2.25	1.80						
37.943	98.727	-.99	-2.39			53	1	10	3			2.50	2.50	1.90						
37.952	98.633	-.85	-2.07			53	1	10	3			2.50	2.50	1.85						
37.960	98.536	-.88	-2.38			53	1	10	2			2.63	2.50	1.70						
37.971	98.439	-.94	-2.58			54	1	9	2			2.83	2.50	1.85						
37.981	98.341	-.93	-2.47			54	1	9	2			2.77	2.50	2.00						
37.991	98.245	-.89	-2.26			53	2	10	3			2.70	2.45	2.10						
37.994	98.147	-1.47	-2.86			54	1	9	2			2.50	2.45	1.85						
37.990	98.052	-.80	-2.20			55	1	9	2			2.50	2.50	1.60						
37.991	97.954	-.71	-2.04			54	-0	9	2			2.50	2.70	1.80						
37.961	97.871	-1.27	-2.67			54	-0	9	1			2.50	2.40	1.70						
37.902	97.807	-.86	-2.68			56	-1	8	1			2.25	2.45	1.60						
37.849	97.735	-1.43	-2.90			54	1	10	2			2.10	2.50	1.70						
37.795	97.663	-.80	-2.19			54	1	10	2			2.20	2.50	1.54						
37.740	97.592	-1.15	-2.52			54	2	10	3			2.20	2.50	1.20						

SUMMER 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
37.673	97.539	-.99	-2.02			54	2	10	3			2.45	2.50	1.15						
37.598	97.512	-.77	-2.03			54	2	10	3			2.57	2.50	1.45						
37.521	97.488	-.68	-2.14			55	1	9	2			2.83	2.50	1.65						
37.442	97.468	-1.35	-3.03			55	2	11	3			2.50	2.50	1.60						
37.365	97.445	-1.34	-3.03			54	3	11	4			2.50	2.50	1.80						
37.288	97.418	-1.48	-3.06			54	3	11	4			2.50	2.50	1.65						
37.216	97.378	-.97	-2.62			54	3	12	4			2.50	2.50	1.70						
37.155	97.344	-.92	-2.75			54	3	12	4			2.50	2.50	1.84						
37.069	97.300	-.98	-2.53			54	3	12	4			2.50	2.50	1.90						
36.995	97.264	-.95	-2.62			55	2	11	3			2.77	2.70	1.65						
36.920	97.234	-1.27	-2.66			56	1	10	2			2.90	2.63	1.50						
36.844	97.202	-1.20	-2.40			55	2	11	3			2.57	2.57	1.40						
36.770	97.170	-.73	-2.05			56	2	10	3			2.50	2.57	1.55						
36.719	97.148	-.84	-2.55			55	3	11	3			2.50	2.50	1.90						
36.747	97.033	-.81	-1.94			55	3	11	3			2.90	2.77	2.05						
36.779	96.946	-1.05	-2.38			56	2	11	3			2.90	2.50	1.75						
36.820	96.826	-1.40	-3.45			56	2	11	2			2.50	2.57	1.60						
36.846	96.736	-1.47	-3.61			56	2	11	2			2.57	2.50	1.40						
36.863	96.645	-1.22	-2.90			57	1	10	1			2.77	2.45	1.50						
36.888	96.550	-1.53	-3.72			56	3	11	3			2.63	2.50	1.60						
36.908	96.456	-1.78	-3.72			55	3	11	3			2.83	2.35	1.65						
36.926	96.366	-1.04	-2.71			56	2	10	2			2.82	2.20	1.90						
36.943	96.309	-1.02	-2.06			56	4	11	3			2.90	2.20	1.60						
36.973	96.157	-.99	-2.84			55	4	11	3			2.90	2.15	1.55						
36.991	96.050	-.99	-2.86			56	3	10	2			2.77	2.20	1.40						
37.009	95.962	-1.31	-2.96			57	2	9	1			2.57	2.15	1.45						
37.029	95.860	-1.11	-2.30			57	2	9	1			2.90	2.05	1.60						
37.047	95.768	-.75	-2.78			56	2	10	2			2.56	1.99	1.64						
37.067	95.659	-1.12	-2.92			56	2	10	2			2.35	2.10	1.50						
37.087	95.567	-.77	-2.79			56	2	10	2			2.30	2.25	1.60						
37.106	95.490	-.85	-2.90			56	2	10	2			2.20	2.50	1.60						
37.130	95.380	-1.12	-3.18			56	2	10	2			2.25	2.25	1.70						
37.148	95.287	-1.70	-3.88			57	1	9	1			2.35	2.20	1.75						
37.165	95.191	-1.21	-3.63			57	1	9	1			2.37	2.16	1.86						
37.126	95.091	-1.47	-3.63			56	2	10	1			2.50	1.90	1.35						
37.084	95.008	-.94	-3.27			55	3	11	2			2.33	2.16	1.56						
37.036	94.912	-1.02	-3.31			56	2	10	1			2.10	2.20	1.90						
36.998	94.827	-.88	-2.84			56	2	10	1			2.20	2.00	2.05						
36.964	94.739	-.91	-2.79			56	3	10	2			2.10	1.95	2.15						
36.933	94.650	-.93	-2.77			55	2	9	-0			1.77	1.09	1.51						
36.895	94.547	-.80	-2.38			56	1	8	-2			.96	.23	.83						
36.855	94.444	-1.35	-2.74			55	2	9	-2			.74	.40	-.06						
36.813	94.344	-.78	-2.62			55	2	10	-2			.57	.39	-.60						
36.775	94.260	-.68	-2.12			56	2	9	-3			.55	.50	-.90						
36.720	94.168	-.74	-1.84			56	3	10	-2			.85	.33	-.90						
36.669	94.094	-1.38	-2.96			56	3	10	-2			.50	.48	-.90						
36.623	94.040	-2.02	-2.85			55	4	11	-1			.55	.50	-.50						
36.577	93.935	-.90	-2.98			56	3	10	-1			.50	.45	-.30						
36.544	93.844	-1.02	-1.94			56	4	11	-1			.40	.50	.20						

SUMMER 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
36.511	93.752	-.86	-1.90			56	4	10	-1			.66	.44	.40						
36.475	93.650	-.51	-1.25			58	3	10	-3			.95	.80	.75						
36.445	93.559	-1.10	-2.10			58	4	11	-3			.79	.87	.91						
36.419	93.470	-1.14	-2.42			58	4	11	-3			.85	1.00	.90						
36.383	93.380	-.71	-1.66			58	4	11	-3			.90	.95	.45						
36.355	93.309	-1.19	-1.72			58	4	11	-3			.74	.96	.40						

SUMMER 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
36.262	92.766	-.55	.34			56	9	15	-1			2.50	2.10	1.70						
36.268	92.689	-.39	.64			57	8	14	-2			2.50	2.35	1.90						
36.266	92.609	-.62	.56			56	8	14	-1			2.50	1.95	1.55						
36.257	92.530	-.54	.31			56	8	14	-1			2.50	2.10	1.85						
36.251	92.450	-.38	.89			55	9	15	-1			2.25	2.15	1.90						
36.240	92.367	-.57	.61			55	9	15	-1			2.20	1.95	1.85						
36.234	92.285	-.73	-.06			56	8	14	-2			2.10	2.00	1.60						
36.228	92.203	-.52	.57			57	8	13	-3			2.15	2.00	1.55						
36.219	92.121	-.72	.48			55	10	16	-1			2.20	2.10	1.35						
36.214	92.035	-.97	.30			56	9	15	-2			2.45	1.90	1.40						
36.208	91.951	-1.10	.26			56	10	15	-2			2.50	2.10	1.15						
36.203	91.865	-1.27	-.46			57	9	14	-3			2.50	2.10	1.25						
36.198	91.777	-.89	-.14			56	10	15	-2			2.50	1.95	1.30						
36.194	91.684	-.84	.20			55	11	17	-1			2.45	2.25	1.45						
36.188	91.588	-.71	.40			57	10	15	-3			2.50	2.20	1.42			-.81			2.11
36.176	91.491	-.57	.46			58	10	15	-3			2.50	2.30	1.30			-.88			2.09
36.165	91.396	-.70	.50			58	9	15	-3			2.35	2.50	1.55						
36.151	91.299	-.87	.35			57	10	16	-2			2.50	2.50	1.85						
36.140	91.202	-1.06	.03			59	9	14	-4			2.50	2.30	1.90						
36.129	91.105	-.94	.46			58	11	15	-2			2.50	2.00	1.90						
36.115	91.007	-1.18	-.08			58	10	15	-2			2.70	1.90	2.05						
36.103	90.910	-1.34	-.12			59	9	14	-3			2.90	2.15	2.00						
36.098	90.812	-1.17	-.70			60	8	13	-4			2.90	2.20	1.90						
36.090	90.715	-1.17	-.58			58	10	15	-2			2.83	2.30	1.90						
36.084	90.615	-1.26	-.77			58	10	15	-2			2.50	2.50	1.90						
36.078	90.517	-1.05	-.15			59	9	14	-3			2.50	2.30	1.85						
36.073	90.419	-1.21	-.68			59	9	14	-3			2.50	2.50	1.90						
36.069	90.321	-1.20	-.37			58	10	15	-2			2.50	2.50	1.90						
36.066	90.223	-1.55	-.93			61	8	13	-5			2.50	2.50	1.90						
36.062	90.125	-1.54	-.63			60	9	14	-4			2.50	2.45	1.95						
36.058	90.025	-1.58	-.84			58	10	15	-2			2.50	2.30	2.15						
36.052	89.929	-1.40	-.82			59	9	14	-3			2.50	2.50	1.90						
36.050	89.830	-1.27	-.97			59	9	14	-3			2.50	2.50	1.90						
36.046	89.733	-1.85	-1.49			58	10	15	-2			2.50	2.50	1.95						
36.041	89.634	-1.34	-1.71		2.02	58	11	14	-2		-9	2.50	2.50	1.90		-.34				
36.036	89.538	-1.38	-1.38		2.06	58	11	13	-4		-10	2.50	2.50	1.90		.60				
36.031	89.442	-.97	-.64		1.94	58	10	12	-4		-11	2.90	2.50	2.20		.50				
36.024	89.343	-1.25	-1.12		2.32	58	10	12	-5		-11	2.90	2.50	2.40		.33				
36.019	89.245	-1.28	-1.31		2.35	57	11	13	-4		-10	2.90	2.57	2.50		.07				
36.023	89.149	-1.01	-1.01		2.30	57	11	12	-4		-10	2.90	2.50	2.63		.27				
36.022	89.053	-.85	-1.04		1.80	59	8	10	-6		-12	2.90	2.35	2.50		.27				
36.026	88.940	-.58	-.90		1.47	58	9	10	-5		-11	2.57	2.20	2.50		.40				
36.028	88.859	-.74	-1.20		1.49	57	10	11	-4		-9	2.50	2.20	2.50		-.10				
36.032	88.761	-.98	-1.44		1.71	57	10	11	-4		-9	2.50	2.30	2.57		.33				
36.035	88.664	-1.08	-1.78		1.54	58	10	11	-6		-10	2.50	2.50	2.50		.45				
36.037	88.573	.04	-.24		.82	57	10	11	-5		-9	2.50	2.50	2.25		.50				
36.039	88.476	-.23	-.52		.86	57	10	12	-6		-8	2.50	2.50	2.10		.13				
36.043	88.380	-.33	-.43		.65	56	10	13	-7		-7	2.50	2.50	2.20		-.10				
36.046	88.284	-.06	-.04		.58	55	11	13	-6		-6	2.40	2.50	2.20		.10				

SUMMER 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
36.050	88.187	.18	-.24		.51	55	11	12	-6		-6	2.45	2.30	2.20		.20				
36.052	88.091	.03	-.54		.64	56	9	13	-8		-7	1.95	2.45	2.20		.40				
36.055	87.994	.05	.07		.51	56	9	13	-8		-6	1.90	2.50	2.20		.27				
36.059	87.898	.33	.36		.44	56	10	14	-8		-6	1.60	2.50	2.20		.38				
36.063	87.801	-.00	-.17		.76	55	10	13	-7		-5	1.60	2.50	2.20		.45				
36.067	87.704	.20	.00		.43	56	10	12	-7		-5	1.70	2.50	2.20		.85				
36.071	87.608	.18			.50	56	10	11			-5	1.90	2.50			.65				
36.074	87.512	.15			.67	56	10	11			-4	2.05	2.50			.75				
36.078	87.416	.56			.94	57	10	9			-7	2.20	2.35			1.15				
36.083	87.319	.05			.73	57	10	8			-6	2.20	2.05			.75				
36.088	87.222	.28			.14	58	10	8			-6	2.20	1.90			.65				
36.093	87.126	.68			.64	56	11	9			-4	2.20	1.90			.13				
36.093	87.026	.55			.75	58	9	7			-6	2.20	2.15			.07				
36.094	86.929	.51			.85	58	9	7			-6	2.20	1.90			.13				
36.097	86.831	.37			.71	59	8	6			-6	2.20	2.10			-.30				
36.100	86.733	.31			.49	58	9	7			-6	2.10	2.10			-.03				
36.082	86.638	.23			.43	58	9	8			-5	1.90	2.05			-.25				
36.064	86.544	-.18			.83	59	8	7			-6	1.85	2.20			-.20				
36.045	86.446	.18			.84	59	8	7			-6	1.60	2.20			-.45				
36.026	86.353	.07			.75	57	10	9			-4	1.60	2.20			-.70				
36.007	86.257	-.09			.36	58	9	8			-5	1.60	2.20			-.35				
35.988	86.163	-.41			1.00	57	9	8			-4	1.60	2.20			-.55	-.01			.91
35.969	86.067	-.01			.27	58	8	7			-5	1.60	2.20			-.85	.07			.83
35.951	85.973	.17			.74	59	8	6			-5	1.55	2.20			-.75	.04			.83
35.933	85.877	-.09			.72	59	8	6			-5	1.55	2.20			-.50	.10			.64
35.915	85.781	.17			.48	58	9	7			-3	1.30	2.15			-.60	.07			.64
35.898	85.686	.11			.65	58	8	6			-4	1.45	1.90			-.60	.25			.57
35.879	85.589	.31			.53	57	9	7			-3	1.55	1.95			-.60	.18			.68
35.862	85.492	-.20			1.45	57	10	6			-3	1.60	2.15			-.90	.22			.76
35.846	85.395	.18			.62	58	9	5			-3	1.70	2.00			-.85	.30			.76
35.830	85.299	.56			.82	57	10	4			-2	1.70	1.50			-.80	.54			.97
35.815	85.202	.69			.92	58	10	3			-3	1.80	1.25			-.80	.67			.94
35.799	85.106	.87			.84	58	10	4			-2	1.45	1.40			-.65	.92			.89
35.782	85.010	1.19			.88	57	10	4			-1	1.55	1.50			-.60	1.12			.98
35.778	84.913	1.08			1.57	57	11	5			-0	1.85	1.60			-.60	1.17			1.46
35.784	84.814	1.22			.98	58	10	3			-1	1.90	1.50			-.70	1.23			1.26
35.790	84.715	1.08			1.44	57	11	3			-0	1.95	1.10			-1.10	.93			1.72
35.796	84.618	.98			1.13	57	10	3			-1	1.70	1.30			-1.15	.88			1.24
35.804	84.520	.59			1.33	57	9	3			-0	1.60	1.60			-.90	.71			1.17
35.816	84.423	.66			.91	56	9	4			1	1.35	1.70			-.65	.56			.98
35.828	84.327	.51			1.27	56	8	4			1	1.15	1.80			-.80	.69			1.03
35.848	84.231	1.06			.80	56	8	4			2	.95	1.85			-.80	.92			1.31
35.868	84.138	1.11			.76	56	7	4			2	.90	1.70			-.80	1.07			.94
35.888	84.045	.99			.11	54	8	5			4	.85	1.60			-.90	1.02			.59
35.896	83.947	.89			.18	55	6	4			4	.22	1.35			-.90	1.07			-.01
35.898	83.848	.90			.35	56	4	3			4	-.65	1.30			-.90	1.04			.82
35.881	83.752	1.45			.75	56	4	3			5	-.95	1.60			-.60	1.45			.80
35.865	83.655	1.63			.67	56	3	2			4	-.90	1.25			-.80	1.60			.82
35.849	83.557	1.71			.53	56	3	-0			4	-.60	.65			-.90	1.69			.86

SUMMER 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
35.838	83.460	1.59			.96	55	4	-1			6	-.35	.45			-.75	1.77			.61
35.829	83.362	1.67			.33	56	4	-3			7	-.05	.13			-.20	1.89			.30
35.821	83.264	1.60			.53	56	3	-6			7	.33	-.60			.32	1.55			.63
35.810	83.166	1.42			.31	55	4	-6			9	.27	-1.00			.70	1.38			.53
35.793	83.072	1.45			-.44	55	5	-7			10	.03	-1.20			1.00	1.44			-.01
35.758	82.986	1.57			-.30	55	4	-6			10	-.30	-1.14			1.00	1.32			-.25
35.721	82.900	1.41			-.06	55	4	-5			11	-.15	-.90			1.10	1.34			.03
35.683	82.815	1.33			-.17	64 d	-4 d	-14 d			2 d	0.00	-.65			1.05	1.21			-.36
35.639	82.734	1.48			-.01	67	-7	-17			1	0.00	-.80			1.00	1.82			-.06
35.595	82.654	1.82			-.35	68	-8	-18			-1	.27	-.70			1.00	1.82			-.17
35.550	82.573	1.25			-.31	64	-1	-15			5	.75	-.80			1.25	1.31			-.43
35.505	82.492	1.20			-.25	57	6	-12			12	1.00	-.60			1.30	1.08			-.49
35.468	82.406				.10	58	5	c			12	1.25				1.30	1.52			-.22
35.437	82.316				-.07	58	5				13	1.35				1.55	1.54			-.34
35.381	82.250				-.27	59	5				12	.90				1.60	1.80			-.21
35.315	82.184				-.45	58	7				14	1.20				1.60	1.61			-.32
35.249	82.119				-.14	59	8				14	1.30				1.60	1.44			-.47
35.185	82.054				-.77	59	9				15	1.80				1.70	1.50			-.24
35.105	81.989				-.21	60	9				14	2.10				1.90	1.72			-.18
35.049	81.943				-.32	60	9				14	2.20				1.95	1.49			-.20
34.976	81.919				-.81	60	9				14	1.75				2.15	1.83			-.85
34.922	81.985				-1.04	61	9				13	1.75				2.00	1.83			-.80
34.873	82.057				-.61	61	8				12	2.05				1.70	1.83			-.76
34.825	82.129				-1.05	60	10				13	2.20				1.72	1.79			-.74
34.777	82.202				-.92	60	10				13	2.20				1.75	1.66			-.78
34.729	82.274				-1.47	60	11				13	2.20				1.90	1.60			-.68
34.681	82.346				-.53	59	12				14	2.20				1.90	1.59			-.84
34.633	82.418			-.95	-1.28	59	12			-1	13	2.20			1.45	1.65	1.61			-1.03
34.585	82.490			-.98	-.84	60	12			-2	13	2.20			1.50	1.50	1.56			-1.00
34.536	82.563			-1.00	-.80	59	12			-1	13	2.20			1.85	1.55	1.56			-.99
34.488	82.636			-1.19	-1.30	59	12			-1	13	2.00			2.10	1.60	1.56			-.92
34.439	82.709			-1.13	-1.38	59	12			-1	13	1.90			1.70	1.70	1.63			-.99
34.390	82.783			-.98	-.89	61	12			-3	12	1.90			1.90	1.90	1.61			-1.01
34.337	82.850			-.95	-1.54	60	12			-2	12	1.90			2.05	1.90	1.56			-1.37
34.280	82.914			-.78	-.94	61	12			-3	11	1.90			2.15	1.90	1.58			-1.04
34.224	82.978	2.04		-.55	-.86	61	12	-3		-3	11	2.10	1.54		2.10	1.95	1.69			-1.14
34.167	83.042	1.55		-.73	-1.71	61	13	-3		-2	11	2.20	1.05		1.85	1.80	1.73			-.94
34.111	83.106	1.49		-.34	-1.30	60	14	-2		-1	12	2.15	1.10		2.10	1.90	1.65			-.85
34.058	83.174	1.51		-.40	-.72	60	15	-1		1	13	2.20	1.00		2.40	2.05	1.68			-.85
34.008	83.244	1.41		-.20	-.96	61	14	-2		-1	10	2.20	.85		2.50	1.75	1.59			-.50
33.958	83.315	1.43		-.11	-.95	61	14	-2		-1	10	2.20	.90		2.30	1.60	1.59			-1.08
33.888	83.349	1.52		.15	-.58	60	16	-0		1	10	2.20	1.30		2.05	1.55	1.39			-.34
33.811	83.363	1.13		.37	-.41	60	16	1		1	10	2.25	1.30		2.35	1.75	1.32			.42
33.735	83.380	1.38		.33	-.13	60	17	2		2	10	2.20	1.50		2.50	1.90	1.48			-.31
33.659	83.404	1.73		.36	-.41	61	16	1		2	9	2.20	1.70		2.50	1.60	1.33			-.26
33.584	83.430	1.16		.49	-.25	61	16	1		1	9	2.20	1.55		2.57	1.60	1.28			-.11
33.509	83.456	1.33		.47	-.15	61	17	1		1	9	2.20	1.55		2.50	1.60	1.47			.00
33.434	83.481	1.29		.66	.08	60	18	2		2	9	2.40	1.65		2.50	1.60	1.45			.27
33.350	83.511	1.44		.56	.04	61	18	2		1	9	2.20	1.40		2.50	1.70	1.57			.08

SUMMER 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
33.260	83.542	1.51		.20	-.78	63	16	0		-0	7	2.40	1.60		2.50	2.00		1.55			-.50
33.170	83.574	1.52		.43	-.07	63	16	1		0	7	2.50	1.85		2.63	1.90		1.53			-.16
33.084	83.601	1.45		.43	-.14	61	19	3		3	9	2.77	1.90		2.90	1.95		1.49			-.41
33.002	83.615	1.19		1.00	.81	63	18	2		1	8	2.90	2.20		2.90	1.95		1.14			.40
32.921	83.607	.97		1.00	.16	62	19	4		2	9	2.90	2.45		2.90	2.20		1.16			.34
32.841	83.604	1.30		.74	-.20	63	18	3		1	8	2.63	2.45		2.90	2.20		1.57			-.29
32.763	83.610	1.80		1.20	.59	64	18	2		0	7	2.30	2.35		2.90	2.20		1.38			1.11
32.687	83.635	1.56		1.80	1.48	64	18	2		1	7	2.57	2.50		3.10	2.20		1.65			1.35
32.637	83.690	1.92		1.61	1.14	62	21	4		3	9	2.87	2.25		3.25	2.35		1.93			1.32
32.654	83.775	1.81		1.24	1.18	62	21	4		2	9	3.10	2.20		3.15	2.20		1.89			1.06
32.676	83.859	1.30		1.70	1.41	64	19	3		0	6	2.90	2.35		2.90	2.20		1.44			1.22
32.698	83.943	1.17		1.58	1.23	63	20	4		-0	6	2.90	2.50		2.63	1.90		1.28			1.14
32.691	84.029	1.15		1.17	.50	62	21	6		1	7	2.30	2.50		2.25	2.15		1.25			.81
32.675	84.118	1.28		1.23	1.10	63	20	5		0	6	2.50	2.50		2.50	2.05		1.39			1.24
32.657	84.207	1.58		1.58	1.89	63	21	7		1	7	2.40	2.50		2.50	2.20		1.73			1.62
32.635	84.298	1.43		1.24	.92	63	21	6		0	6	2.50	2.83		2.50	2.20		1.64			.85
32.628	84.384	1.98		1.37	1.26	64	20	6		-1	5	2.90	2.90		2.50	2.05		1.60			.96
32.624	84.470	1.06		1.26	.56	65	19	5		-2	4	2.63	2.90		2.50	2.20		1.16			.50
32.620	84.558	1.30		1.19	.77	62	23	8		1	7	2.90	2.90		2.83	2.20		1.30			.52
32.620	84.647	1.14		1.33	.88	63	22	7		-0	5	2.90	2.90		2.90	2.20		1.38			.85
32.619	84.734	1.92		1.31	.82	64	22	6		-1	3	2.90	2.83		2.90	2.20		1.59			.77
32.616	84.823	1.73		1.02	.63	64	22	6		-1	3	2.90	2.83		2.90	2.20		1.64			.79
32.616	84.912	1.98		1.25	1.22	65	21	5		-2	1	2.90	2.57		2.90	2.00		2.15			1.19
32.614	84.999	1.98		1.16	.83	66	21	5		-3	0	2.83	2.50		2.70	2.05		1.86			1.24
32.588	85.082	1.58		1.49	1.62	64	23	7		-1	1	2.37	2.50		2.52	1.95		1.75			1.42
32.565	85.165	1.54		1.57	1.68	64	23	7		-1	1	3.00	2.50		2.90	1.90		1.73			1.45
32.543	85.250	2.28		1.45	1.68	66	21	6		-4	-2	3.05	2.83		2.90	1.70		1.87			1.76
32.528	85.337	2.05		1.35	.95	66	21	6		-4	-2	2.95	2.83		2.90	1.60		2.10			1.24
32.515	85.424	2.52		1.32	1.63	66	21	6		-4	-2	2.90	2.50		2.82	1.60		2.01			1.69
32.503	85.510	1.85		1.61	1.83	69	19	4		-7	-5	2.90	2.50		2.83	1.85		1.93			1.71
32.490	85.597	2.56		1.40	1.78	68	19	4		-6	-5	2.90	2.50		2.90	1.90		2.37			1.85
32.474	85.682	3.11		1.52	1.83	69	18	4		-7	-6	2.90	2.50		2.90	1.85		2.29			2.03
32.451	85.765	2.14		1.52	1.64	69	18	4		-8	-6	2.63	2.45		2.50	1.60		2.13			1.77
32.408	85.847	3.33		2.00	2.28	71	17	3		-9	-7	2.90	2.45		2.77	1.75		2.51			2.19
32.368	85.923	2.57		1.80	1.86	70	18	4		-8	-6	2.90	2.50		2.83	2.15		2.49			2.05
32.330	85.998	2.79		1.88	2.07	70	18	4		-8	-6	3.05	2.70		2.90	2.15		2.62			2.02

SUMMER 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
32.259	86.542																1.30			1.46
32.232	86.588																1.28			1.45
32.198	86.633																1.08			1.17
32.163	86.676																1.12			1.15
32.129	86.716																1.10			1.22
32.095	86.761																1.16			1.16
32.059	86.809																1.34			1.12
32.021	86.853																1.64			1.08
31.983	86.899																1.83			1.24
31.964	86.959																2.08			1.41
31.967	87.024																1.40			1.82
32.021	87.053																1.23			2.85
32.086	87.081	1.55		19.23	-5.98	103	-18	-27		-43	-41	2.50	2.50		2.50	1.30				
32.127	87.146	2.80		11.02	-27.60	100	-15	-24		-42	-40	2.50	2.50		2.50	1.30				
32.164	87.214	7.88				99	-15	-23				2.50	2.50							
32.369	88.641	2.27		1.45		70	9	10		-13		2.90	2.05		2.50		2.43			2.17
32.366	88.722	1.76		1.45		67	12	13		-11		2.77	2.20		2.25		1.25			2.38
32.372	88.809	.59		1.42	2.32	66	13	15		-10	-11	2.90	2.00		2.05	1.10	.94			2.33
32.376	88.898	.64		1.40	2.34	64	14	16		-9	-10	2.83	1.90		2.15	1.30	.95			2.37
32.387	88.982	.60		1.30	2.39	63	15	17		-8	-9	2.90	2.26		2.50	1.00	.87			2.52
32.405	89.068	1.03		1.25	2.51	63	15	18		-8	-10	3.00	2.30		2.50	1.00	1.09			2.56
32.417	89.155	1.23		1.35	2.27	63	15	18		-8	-10	2.90	2.10		2.50	1.20	1.11			2.44
32.421	89.244	.98		1.29	2.34	62	15	19		-7	-9	2.90	2.20		2.50	1.05	1.16			2.42
32.427	89.333	1.59		1.25	2.28	63	14	18		-8	-10	3.05	2.45		2.35	1.05	1.17			2.36
32.432	89.423	1.01		1.24	2.08	63	14	19		-8	-10	3.10	2.35		2.35	.90	1.42			2.20
32.439	89.512	1.56		1.11	2.12	62	15	20		-7	-11 C	3.00	2.25		2.30	1.30	1.15			2.17
32.446	89.601	.89	.67	1.03		59	18	23	0	-5		3.15	2.25	1.60	2.35		1.28			2.29
32.453	89.690	1.22	1.86	1.07		59	18	24	0	-5		3.20	2.50	1.85	2.50		1.26			2.32
32.464	89.779	1.07	1.10	1.04		59	18	25	1	-5		3.10	2.35	1.85	2.40		1.42			2.43
32.473	89.868	1.23	.93	1.15		58	18	25	2	-4		2.95	2.45	1.75	2.50		1.53			2.26
32.483	89.958	1.14	2.86	1.25		59	17	25	1	-5		3.20	2.50	1.65	2.25		1.12			2.35
32.493	90.048	.39	.10	1.16		59	17	25	1	-5		3.15	2.50	1.65	2.25		.09			2.60
32.506	90.133	.59	1.57	1.20		58	18	26	2	-4 C		3.20	2.50	1.65	2.50		.57			2.69
32.509	90.228	.33	1.00			59	16	25	2			2.95	2.50	1.90			-.07			2.52
32.509	90.319	-.74	-.60		2.47	61	14	23	0		-10	2.90	2.45	1.80		.22	-.56			2.55
32.512	90.412	-.47	.55		2.45	61	14	23	0		-10	2.95	2.45	1.75		.65	-.28			2.52
32.514	90.502	-.63	-.48		2.14	61	14	23	0		-10	3.15	2.50	1.65		.45	-.42			2.33
32.518	90.594	-.83	-.50		2.22	61	14	24	-0		-11	3.20	2.50	1.70		.70	-.51			2.25
32.516	90.685	-.44	-.43		2.22	60	14	25	1		-10	3.10	2.50	1.60		.55	-.46			2.29
32.513	90.778	-.81	-.93		2.24	61	13	23	0		-12	2.90	2.20	1.60		.33	-.51			2.41
32.507	90.869	-.67	-.58		2.37	63	10	21	-2		-14	2.90	2.50	1.30		.55	-.57			2.44
32.500	90.961	-.76	-.03		2.21	62	11	23	-0		-13	2.90	2.45	1.65		.40	-.62			2.32
32.493	91.052	-.78	-.42		2.22	61	12	24	1		-12	2.90	2.50	1.90		.50	-.60			2.33
32.489	91.145	-.80	-.30		2.23	60	13	26	2		-11	3.20	2.88	2.20		.13	-.59			2.31
32.489	91.237	-.57	.35		2.11	61	12	25	1		-13	3.20	3.20	2.00		-.03	-.66			2.28
32.489	91.329	-.98	-.40		2.25	61	12	25	1		-13	3.20	2.88	1.95		.27	-.74			2.33
32.490	91.421	-.76	.28		2.21	62	12	24	2		-13	3.20	2.57	2.10		.40	-.78			2.35
32.491	91.512	-.76	.31		2.19	62	11	24	2		-13	3.20	2.50	2.00		.45	-.88			2.32
32.496	91.603	-.80	-.23		2.15	62	10	23	1		-14	3.20	2.77	2.25		.40	-.92			2.22

g - down to line

SUMMER 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
32.503	91.695	-.98	.58		2.11	62	10	23	1	C	-14	3.20	2.77	1.95		40	-.92			2.17
32.511	91.784	-.85	.30		2.09	62	10	23	1		-14	3.20	2.77	2.00		.70	-.92			2.26
32.510	91.878	-.64	.93		2.04	61	11	25	3		-13	3.05	2.57	1.90		.55	-.75			2.18
32.511	91.971	-.75	.74		1.96	60	11	25	3		-12	2.90	2.90	2.05		45	-.72			2.08
32.511	92.064	-1.02	.94		2.03	59	12	25	4		-12	2.95	2.57	2.25		33	-.83			2.09
32.528	92.153	-1.09	.18		2.20	59	12	25	4		-12	2.90	2.63	2.40		-.10	-1.04			2.23
32.542	92.243	-1.05	.80		1.76	58	12	26	5		-11	2.90	2.50	1.90		-.15	-1.06			2.05
32.552	92.335	-1.20	.25		1.86	58	12	25	5		-12	2.83	2.50	2.00		-.30	-1.14			2.06
32.563	92.428	-1.21	.42	-.14		56	14	27	9	-6	C	2.90	2.40	2.10	2.05		-1.24			2.16
32.573	92.520	-1.24	-.39	.06		55	14	27	9	-6		2.83	2.40	1.90	1.95		-1.17			1.87
32.580	92.609	-1.33	-.94	.15		55	14	27	9	-6		2.63	2.40	1.90	1.85		-1.26			1.85
32.588	92.703	-1.30	-1.47	.16		55	15	28	10	-6		2.77	2.50	1.90	1.55		-1.32			1.85
32.602	92.798	-1.24	-.95	.12		54	15	28	10	-5		2.83	2.50	2.05	1.85		-1.37			1.93
32.614	92.890	-1.64	-1.29	-.08		54	14	28	10	-6		2.83	2.50	2.10	1.90		-1.71			2.10
32.631	92.995	-1.59	-.71	-.02		55	14	28	10	-7		2.83	2.50	2.15	1.85		-1.59			2.15
32.644	93.070	-1.68	-1.84	-.06		56	13	26	9	-8		2.90	2.50	2.00	1.75		-1.66			2.13
32.658	93.163	-1.54	-.88	.00		54	14	27	10	-6		2.90	2.50	1.90	1.65		-1.61			2.14
32.673	93.254	-1.71	-.78	-.03		55	13	27	11	-7		2.90	2.50	2.15	1.60		-1.75			2.19
32.692	93.345	-2.01	-1.67	-.04		54	13	26	11	-6		2.83	2.50	2.20	1.45		-2.06			2.39
32.707	93.437	-2.10	-1.89	-.17		54	14	26	12	-6		2.70	2.50	2.05	1.50		-2.38			2.75
32.723	93.532	-1.88	-1.61	-.15		54	13	25	11	-6		2.50	2.25	2.00	1.60		-1.83			2.43
32.742	93.618	-1.69	-1.57	-.06		53	13	26	12	-6		2.50	2.45	2.10	1.60		-1.73			2.36
32.755	93.709	-1.79	-1.08	-.07		55	12	25	11	-8		2.50	2.50	2.10	1.60		-1.85			2.35
32.767	93.800	-1.85	-2.15	-.03		55	12	25	11	-8		2.50	2.50	2.15	1.55		-1.79			2.23
32.773	93.892	-1.90	-1.51	.02		55	11	24	10	-8		2.50	2.50	1.90	1.48		-1.94			2.28
32.782	93.984	-2.02	-1.66	-.16		56	11	24	11	-9		2.50	2.57	2.20	1.30		-2.05			2.32
32.789	94.077	-1.98	-1.98	-.10		56	10	23	10	-9		2.90	2.50	2.05	1.45		-1.92			2.16
32.797	94.169	-2.06	-1.64	-.06		55	11	24	11	-8		2.90	2.57	1.90	1.60		-2.20			2.52
32.795	94.264	-1.91	-1.68	-.02		55	11	24	11	-8		2.90	2.63	2.05	1.50		-1.92			2.19
32.796	94.358	-2.00	-1.83	.00		54	11	24	12	-8		2.90	2.50	2.30	1.35		-2.00			2.32
32.796	94.451	-1.86	-1.37	.00		54	11	24	12	-8		2.90	2.50	2.20	1.60		-1.95			2.31
32.803	94.543	-2.01	-1.57	-.19		54	11	24	12	-8		2.90	2.50	2.20	1.60		-2.08			2.36
32.805	94.637	-1.75	-1.36	-.04		53	12	25	13	-8		2.90	2.77	2.05	1.60		-1.79			2.15
32.811	94.730	-1.94	-1.30	-.18		52	13	26	14	-7		2.90	2.90	1.90	1.65		-1.95			2.27
32.822	94.825	-1.99	-1.67	-.20		52	13	26	15	-7		2.63	2.90	1.90	1.60		-2.14			2.52
32.824	94.919	-1.83	-1.20	-.19		52	12	25	14	-8		2.90	2.57	1.95	1.60		-1.90			2.20
32.835	95.013	-2.03	-1.73	-.33		52	12	25	14	-8		2.90	2.57	1.95	1.60		-2.05			2.44
32.842	95.107	-1.95	-1.59	-.28		51	13	26	15	-7		2.90	2.90	2.00	1.45		-2.01			2.26
32.855	95.201	-1.99	-1.19	-.34		52	11	25	14	-8		2.90	2.90	1.90	1.45		-2.05			2.28
32.875	95.291	-2.06	-1.74	-.46		54	9	22	13	-10		2.57	2.63	2.00	1.30		-2.11			2.20
32.897	95.383	-2.07	-1.57	-.45		55	8	21	12	-11		2.50	2.50	2.10	1.35		-2.08			2.23
32.925	95.469	-2.15	-2.11	-.34		54	10	23	14	-11		2.50	2.50	2.20	1.40		-2.11			2.20
32.955	95.554	-2.10	-3.05	-.42		52	11	23	15	-9		2.50	2.63	2.15	1.60		-2.20			2.22
32.972	95.614	-2.20	-3.85	-.32		51	12	24	16	-8		2.77	2.63	2.20	1.40		-2.23			2.18
33.013	95.727	-2.31	-4.07	-.41		52	11	23	15	-9		2.90	2.77	2.20	1.55		-2.35			2.30
33.044	95.814	-2.35	-4.28	-.47		54	10	22	14	-11		2.90	2.90	2.20	1.35		-2.41			2.29
33.074	95.899	-2.36	-4.11	-.44		53	9	22	14	-10		2.77	2.90	2.15	1.30		-2.35			2.33
33.110	95.981	-2.26	-4.19	-.39		53	9	22	14	-10		2.90	2.90	2.20	1.30		-2.31			2.33
33.148	96.061	-2.23	-3.98	-.25		54	8	21	13	-11		3.10	2.90	2.10	1.30		-2.26			2.19

SUMMER 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
33.191	96.139	-2.22	-4.18	-.19		54	8	20	13	-11		3.20	2.90	2.32	1.30		-2.25			2.34
33.230	96.216	-2.21	-3.98	-.29		54	8	20	13	-11		3.05	2.90	2.15	1.30		-2.16			2.25
33.269	96.293	-1.96	-3.61	-.10		54	8	20	13	-11		2.90	2.90	2.02	1.30		-1.94			2.03
33.313	96.372	-1.97	-3.52	-.11		53	9	21	14	-10		2.90	3.00	2.20	1.30		-2.01			2.05
33.358	96.446	-1.94	-3.55	-.08		52	10	22	15	-9		2.90	2.90	2.05	1.30		-2.00			2.09
33.403	96.522	-2.04	-3.96	-.05		57 d	6 d	17 d	11 d	-14 d		2.90	2.90	2.15	1.30		-2.10		-.07	2.36
33.449	96.594	-2.27	-4.09	-27.97 d,h		80	-18	-7	-13	-37		2.90	2.50	2.20	1.30					
33.475	96.676	-2.07	-3.11	-128.7		86	-25	-13	-19	-43		2.90	2.50	2.20	1.30					
33.484	96.764	-1.76	-3.12			80	-19	-7	-13			3.02	2.50	2.20						
33.485	96.855	-1.93	-3.62			70	-9	3	-3			3.20	2.50	2.27						
33.483	96.943	-2.00	-3.70			63	-2	10	3			3.20	2.90	2.14						
33.493	97.030	-1.93	-3.17			58	2	14	8			3.05	3.05	2.63						
33.506	97.128	-1.95	-3.12			57	3	14	9			3.20	3.45	2.90						
33.521	97.199	-1.95	-3.11			56	4	15	10			3.15	3.45	2.83						
33.538	97.282	-1.96	-3.19			54	6	17	12			3.15	3.20	2.20						
33.555	97.365	-1.92	-2.86			53	7	18	13			3.15	2.95	2.20			-1.89			.74
33.576	97.446	-1.93	-2.79	-.12		54	6	17	12	-12		3.20	2.90	2.25	1.60		-1.94			-2.49
33.597	97.528	-1.89	-2.67	-.07		54	6	17	12	-13		3.15	2.95	2.25	1.60		-1.85			-7.52
33.616	97.609	-1.91	-2.58	.10		56	3	14	10	-16		3.20	2.95	2.25	1.60					
33.634	97.691	-1.90	-2.92	-.52		57	2	13	8	-17		3.20	2.83	1.95	1.60					
33.647	97.774	-1.86	-2.74	.08		57	2	13	9	-17		3.20	2.50	2.42	1.60					
33.660	97.859	-1.87	-2.20	.04		57	2	13	8	-17		3.20	2.70	2.35	1.65					
33.673	97.941	-1.89	-3.05	-.24		60	-1	10	5	-20		3.20	2.63	2.20	1.60					
33.687	98.028	-1.88	-2.59	-.12		65	-7	4	0	-25		3.00	2.70	1.90	1.60					
33.715	98.108	-1.81	-1.94	-.23		63	-6	5	1	-23		3.00	2.50	2.05	1.60					
33.750	98.179	-1.65	-2.02	.67		66	-9	2	-2	-25		3.00	2.20	2.15	1.60					
33.777	98.261	-1.34	-.12			69	-12	-1	-5			3.20	2.45	2.20						
33.791	98.341	-1.38	-1.23			77 d	-20 d	-9 d	13 d			3.20	2.50	2.20						
33.820	98.414	-1.80	-2.79			80	-23	-12	-16			3.20	2.50	2.20						
33.861	98.484	-1.35	-.83			76	-19	-8	-12			3.20	2.50	2.00						
33.890	98.558	-1.81	-2.11			72	-15	-4	-8			3.20	2.50	2.15						
33.939	98.621	-1.41	-1.08			71	-14	-3	-7			3.20	2.50	2.45						
33.939	98.704	-1.40	-1.23			71	-14	-3	-7			3.20	2.50	2.20						
33.946	98.788	-1.49	-1.54			71	-14	-4	-7			3.20	2.50	2.35						
33.955	98.869	-1.47	-1.41			75	-18	-8	-11			3.05	2.50	2.50						
33.963	98.951	-2.04	-1.95			79	-22	-12	-15			2.90	2.57	2.50						
33.981	99.031	-1.75	-2.18			82	-25	-15	-18			2.90	2.50	2.50						
34.009	99.106	-1.83	-1.93			82	-25	-15	-18			2.90	2.50	2.50						
34.050	99.177	-1.80	-1.85			75	-18	-8	-12			2.90	2.70	2.50						
34.090	99.247	-1.61	-1.67			66	-10	-0	-3			2.95	2.83	2.50						
34.124	99.320	-1.51	-1.27			61	-5	6	3			3.20	2.95	2.40						
34.151	99.398	-1.59	-1.59			56	-1	10	7			3.20	3.05	2.50						
34.174	99.476	-1.61	-1.35			60	-5	6	3			3.20	2.83	2.63						
34.195	99.555	-1.65	-1.81			56	-1	9	7			3.40	2.90	2.50						
34.210	99.634	-1.67	-1.79			54	1	11	8			3.45	2.95	2.45						
34.225	99.716	-1.66	-1.70			53	3	13	10			3.35	3.15	2.50						
34.239	99.798	-1.66	-1.52			51	4	14	11			3.60	3.20	2.45						
34.252	99.879	-1.67	-1.53			53	2	12	9			3.70	3.15	2.50						
34.268	99.962	-1.67	-1.76			52	2	13	10			3.55	3.15	2.30						

SUMMER 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
34.283	100.044	-1.60	-1.59			52	2	13	10			3.50	3.20	2.20						
34.299	100.122	-1.63	-1.99			53	1	11	9			3.60	3.10	2.25						
34.312	100.203	-1.66	-1.98			54	1	11	9			3.50	2.83	2.30						
34.298	100.287	-1.68	-2.01			54	-0	11	9			3.45	2.98	2.15						
34.287	100.370	-1.59	-1.88			56	-3	8	6			3.30	3.15	2.63						
34.300	100.454	-1.50	-1.95			59	-6	4	3			3.30	3.50	3.15						
34.328	100.535	-1.68	-2.25			65	-12	-2	-3			3.20	3.60	3.20						
34.360	100.612	-1.64	-1.69			64	-11	-2	-3			3.20	3.65	2.92						
34.346	100.696	-1.69	-2.02			61	-8	2	1			3.25	3.20	2.50						
34.334	100.781	-1.57	-1.59			59	-7	3	2			3.25	3.05	2.45						
34.320	100.864	-1.68	-2.13			58	-6	4	4			3.20	2.95	2.40						
34.307	100.949	-1.75	-2.00			58	-6	4	4			3.10	2.53	2.10						
34.289	101.033	-1.53	-1.77			57	-5	5	5			2.90	2.05	1.70						
34.279	101.118	-1.55	-1.54			55	-3	8	8			2.90	1.85	1.45						
34.268	101.204	-1.64	-1.89			53	-1	10	10			2.77	1.70	1.55						
34.259	101.287	-1.62	-2.17			51	0	11	11			2.90	1.78	1.48						
34.248	101.373	-1.60	-1.70			51	-0	11	11			2.70	1.90	1.60						
34.239	101.457	-1.66	-1.93			51	0	11	11			2.40	1.80	1.45						
34.223	101.541	-1.65	-1.72			50	1	12	12			2.20	1.70	1.55						
34.253	101.613	-1.80	-2.43			49	2	13	13			2.20	1.80	1.65			-1.73			12.38f,h
34.302	101.677	-1.75	-2.34			49	2	12	13			2.20	1.65	1.55			-1.73			3.72
34.350	101.743	-1.68	-2.36			49	2	12	12			2.20	1.80	1.45			-1.59		-1.10	4.01
34.397	101.810	-1.65	-2.15			50	1	11	11			2.20	1.90	1.45			1.72			3.66
34.435	101.888	-1.52	-2.01			50	0	11	11			2.40	1.90	1.30			-1.64			3.21
34.455	101.974	-1.55	-1.72			50	0	11	11			2.50	1.75	1.05			-1.60			3.52
34.442	102.067	-1.69	-2.03			50	0	10	11			2.30	1.65	.80			-1.59			3.62
34.428	102.158	-1.62	-1.49			51	-1	9	10			2.20	1.75	1.25			-1.55			3.47
34.403	102.264	-1.62	-1.62			50	-1	10	10			2.35	1.85	1.35			-1.65		-.77	3.74
34.407	102.340	-1.48	-1.58			55	-6	5	5			2.50	2.00	1.40			-1.71		-.72	
34.411	102.435	-1.62	-1.76			56	-7	3	4			2.50	1.95	1.40			-1.82		-.96	
34.444	102.519	-1.82	-2.25			51	-2	8	8			2.47	1.90	1.45			-1.71		-.63	4.24
34.485	102.599	-1.55	-1.97			50	-1	9	9			2.25	1.65	1.20			-1.63		-.64	
34.490	102.692	-1.61	-1.51			51	-2	9	9			2.20	1.75	1.10			-1.61		-.43	4.10
34.488	102.785	-1.62	-1.62			50	-2	9	9			2.20	1.90	1.15			-1.63		-.52	3.77
34.493	102.879	-1.84	-2.31			52	-4	7	7			2.20	1.90	1.25			1.62		-.43	
34.532	102.963	-1.85	-2.57			57	-9	1	1			2.20	2.00	1.50						
34.559	103.052	-1.62	-2.07			52	-4	6	7			2.20	1.85	1.10						
34.582	103.142	-1.77	-2.36			52	-4	6	6			2.20	1.60	1.60						
34.608	103.233	-1.76	-2.31			51	-3	7	7			2.20	1.85	1.55						
34.636	103.321	-1.70	-2.21			49	-2	9	9			2.20	2.05	1.35						
34.662	103.411	-1.76	-2.40			49	-2	9	9			2.20	1.85	1.25						
34.684	103.505	-1.73	-2.24			49	-2	8	8			2.20	1.65	1.05			-1.72			4.14
34.705	103.596	-1.82	-2.47			49	-2	8	8			2.20	1.75	1.10						
34.724	103.688	-1.83	-2.61			48	-1	9	9			2.20	1.80	1.15			-1.81			4.21
34.744	103.798	-1.74	-2.26			49	-2	9	9			2.10	1.80	.95			-1.66			4.25
34.763	103.891	-1.75	-2.14			49	-3	8	7			1.90	1.70	1.15						
34.783	103.983	-1.76	-2.35			49	-3	8	8			2.05	1.90	.90						
34.805	104.076	-1.80	-2.34			48	-2	8	8			1.90	1.65	1.15						
34.832	104.166	-1.83	-2.52			48	-3	8	8			1.95	1.60	1.15						

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SUMMER 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
34.862	104.255	-1.88	-2.27			49	-4	7	7			2.20	1.65	1.15						
34.892	104.342	-1.95	-2.58			49	-4	6	7			2.20	1.60	1.50						
34.923	104.430	-1.78	-2.50			50	-5	5	6			2.00	1.75	1.35						
34.954	104.520	-1.76	-2.27			49	-4	6	7			1.90	1.75	1.25						
34.982	104.605	-1.82	-2.50			49	-4	6	7			1.90	1.60	1.30						
35.009	104.694	-1.69	-2.07			49	-4	6	7			1.75	1.60	1.25						
35.038	104.784	-1.68	-1.79			48	-4	6	7			1.90	1.60	1.15						
35.061	104.874	-1.50	-1.48			48	-4	6	7			1.90	1.80	1.60						
35.086	104.967	-1.63	-1.87			48	-4	6	7			1.90	1.60	1.70						
35.106	105.058	-1.66	-1.66			49	-5	5	6			1.90	1.55	1.65						
35.073	105.145	-1.53	-1.42			48	-5	5	6			1.90	1.60	1.55						
35.061	105.238	-1.75	-1.79			48	-9	5	6			1.90	1.60	1.75						
35.026	105.322	-1.81	-1.69			48	-7	5	6			1.65	1.80	1.15						
34.991	105.409	-1.66	-1.61			48	-6	5	6			1.60	1.70	1.35						
34.958	105.497					48		5	6				1.60	1.10						
34.929	105.585					49		4	5				1.60	1.35						
34.899	105.670					49		4	5				1.65	1.60						
34.868	105.758					49		3	4				1.65	1.35						
34.839	105.849					49		3	4				1.70	1.50						
34.851	105.941					49		4	5				1.75	1.65						
34.882	106.022					48		4	6				1.60	1.85						
34.915	106.098					49		4	5				1.70	1.85						
34.940	106.180					49		3	4				1.60	1.75						
34.951	106.264					49		2	4				2.00	1.40						
34.938	106.352					49		2	4				1.85	1.75						
34.935	106.451					49		2	3				1.95	1.80						
34.931	106.543					49		1	2				1.60	1.50						
34.924	106.633					49		1	2				1.54	1.84						

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SUMMER 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
0.000	0.000					48		3	4				1.60	1.30						
35.161	107.035					49		1	3				1.30	1.30						
35.169	107.113					49		1	3				1.40	.85						
35.175	107.195					50		-1	2				1.60	1.00						
35.181	107.274					51		-1	1				1.55	.90						
35.188	107.353					52		-2	0				1.45	1.00						
35.193	107.436					52		-2	-1				1.30	1.25						
35.201	107.516					51		-1	1				1.30	1.25						
35.208	107.602					52		-2	1				1.50	1.15						
35.213	107.693					51		-1	0				1.55	1.50						
35.224	107.784					49		-1	2				1.60	1.60						
35.242	107.874					49		-1	0				1.40	1.15						
35.262	107.966					49		-1	1				1.30	1.30						
35.283	108.056					49		-1	1				1.30	1.30						
35.304	108.146					48		0	1				1.25	1.30						
35.324	108.235					47		1	2				1.15	1.00						
35.345	108.326					47		1	2				1.30	1.10						
35.369	108.418					48		0	0				1.00	1.00						
35.389	108.510					47		-0	1				1.00	1.00						
35.410	108.603					47		0	1				1.00	1.30						
35.429	108.693					47		-0	0				1.05	1.30						
35.450	108.783					47		-0	-0				1.10	1.25						
35.468	108.873					48		-1	-1				1.00	.90						
35.462	108.967					49		-2	-2				1.00	.55						
35.444	109.058					48		-2	-1				1.00	.40						
35.424	109.150					49		-3	-2				1.00	.20						
35.406	109.242					48		-2	-1				1.00	.33						
35.386	109.335					48		-3	-1				1.00	.40						
35.368	109.427					49		-4	-1				1.00	.70						
35.351	109.520					49		-4	-1				1.00	1.00						
35.333	109.613					48		-3	-1				1.00	1.00						
35.315	109.705					47		-2	-0				1.00	1.15						
35.294	109.797					48		-3	-0				1.00	1.30						
35.272	109.889					48		-3	0				1.00	1.30						
35.252	109.980					49		-4	-1				1.00	1.10						
35.232	110.073					50		-5	-3				1.00	1.20						
35.212	110.165					51		-5	-4				1.05	1.30						
35.190	110.257					51		-7	-4				1.00	1.40						
35.172	110.352					52		-8	-5				1.00	1.60						
35.148	110.445					52		-7	-6				1.00	1.60						
35.127	110.538					51		-7	-5				1.05	1.60						
35.103	110.629					51		-7	-5				1.00	1.60						
35.080	110.719					52		-8	-6				1.00	1.60						
35.056	110.814					51		-8	-6				1.00	1.42						
35.003	111.024					49		-6	-6				1.00	1.60						
34.983	111.118					48		-6	-5				1.00	1.60						
34.963	111.212					48		-6	-5				1.00	1.60						
34.946	111.304					48		-6	-6				1.00	1.60						
34.928	111.397					49		-8	-7				1.00	1.40						

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SUMMER 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
34.909	111.492					50		-9	-8				1.00	1.30						
34.890	111.585					49		-8	-7				.95	1.20						
34.870	111.679					50		-9	-8				.95	1.05						
34.843	111.770					49		-8	-8				.85	.90						
34.824	111.864					49		-9	-8				.70	.70						
34.804	111.958					49		-10	-9				.90	.70						
34.784	112.051					50		-11	-10				1.00	.55						
34.764	112.146					50		-10	-10				.95	.40						
34.746	112.241					49		-11	-9				.70	.60						
34.726	112.336					50		-11	-10				.70	.45						
34.707	112.430					50		-12	-10				.70	.40						
34.695	112.524					50		-12	-10				.95	.40						
34.697	112.623					50		-13	-10				.75	.40						
34.699	112.722					51		-13	-12				.75	.40						
34.701	112.817					52		-14	-13				1.00	.40						
34.703	112.915					53		-16	-14				.90	.20						
34.707	113.011					54		-17	-15				.70	0.00						
34.711	113.108					55		-18	-16				.70	0.00						
34.717	113.205					56		-19	-18				.70	0.00						
34.718	113.302					55		-18	-17				.70	-.15						
34.720	113.399					55		-18	-17				.70	-.30						
34.721	113.496					56		-19	-18				.70	-.10						
34.723	113.593					54		-18	-17				.70	-.05						
34.724	113.690					54		-18	-17				.70	-.30						
34.725	113.788					55		-20	-18				.70	-.30						
34.726	113.886					57		-21	-20				.70	-.30						
34.730	113.985					53		-18	-16				.70	-.30						
34.731	114.081					53		-19	-16				.70	-.30						
34.731	114.176					55		-21	-18				.70	-.30						
34.731	114.271					58		-24	-21				.70	-.30						
34.749	114.367					58		-23	-21				.70	-.30						
34.768	114.458					57		-23	-20				.70	-.45						
34.772	114.557					60		-27	-23				.70	-.60						
34.770	114.653					62		-28	-25				.70	-.60						
34.770	114.749					61		-27	-25				.70	-.60						
34.768	114.846					62		-28	-26				.70	-.60						
34.768	114.944					62		-27	-26				.70	-.60						
34.768	115.042					59		-25	-23				.70	-.60						
34.768	115.139					57		-23	-21				.70	-.90						
34.769	115.236					55		-21	-19				.70	-.90						
34.770	115.333					55		-22	-19				.70	-.90						
34.770	115.430					56		-22	-20				.70	-.90						
34.771	115.529					56		-23	-20				.70	-.90						
34.769	115.622					56		-23	-20				.70	-.90						
34.770	115.719					55		-22	-19				.70	-.90						
34.773	115.814					55		-22	-19				.70	-.90						
34.773	115.924					55		-21	-19				.70	-.90						
34.777	116.019					53		-19	-17				.70	-1.10						
34.778	116.114					52		-19	-16				.70	-1.20						

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SUMMER 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
34.784	116.211					52		-20	-17				.70	-1.20						
34.789	116.306					52		-21	-17				.70	-1.20						
34.794	116.401					54		-22	-19				.70	-1.20						
34.791	116.496					54		-23	-19				.70	-1.20						
34.779	116.590					55		-24	-20				.70	-1.20						
34.769	116.682					54		-24	-19				.70	-1.20						
34.757	116.775					54		-24	-19				.70	-1.20						
34.745	116.869					55		-25	-20				.70	-1.20						
34.734	116.964					56		-26	-22				.70	-1.20						
33.602	114.915																			
33.600	114.827																			
33.598	114.739																			
33.595	114.656																			
33.589	114.565																			
33.585	114.482																			
33.579	114.394																			
33.574	114.307																			
33.569	114.220																			
33.567	114.131																			
33.560	114.042																			
33.555	113.954																			
33.534	113.902																			
33.364	113.544																			
33.335	113.482																			
33.295	113.391																			
33.261	113.314																			
33.226	113.238																			
33.193	113.167																			
33.157	113.091																			
33.120	113.017																			
33.084	112.940					56			-16					-.60						
33.049	112.867					55			-16					-.60						
33.013	112.791					56			-17					-.60						
32.978	112.717					56			-16					-.60						
32.943	112.642					55			-16					-.60						
32.906	112.567					57			-18					-.60						
32.871	112.490					57			-18					-.60						
32.834	112.414					58			-18					-.60						
32.799	112.337					57			-17					-.60						
32.764	112.259					57			-17					-.40						
32.729	112.181					58			-18					-.35						
32.694	112.104					57			-17					-.30						
32.658	112.027					58			-17					-.30						
32.622	111.947					59			-18					-.30						
32.584	111.861					58			-16					-.30						
32.544	111.772					58			-16					-.30						
32.506	111.687					59								0.00						
32.473	111.605																			
32.431	111.517																			

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SUMMER 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
32.393	111.431					58		-21	-14				-3.10	.70						
32.354	111.354					59		-22	-15				-2.80	.80						
32.368	111.275					59		-21	-15				-2.68	1.06						
32.355	111.202					59		-22	-15				-1.97	1.25						
32.294	111.165					59		-22	-14				-1.55	1.30						
32.249	111.116					59		-21	-14				-.85	1.30						

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SUMMER 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
32.090	110.912					52		-9	-4				1.00	1.06						
32.063	110.874					52		-10	-4				1.00	1.00						
32.024	110.807					53		-10	-5				1.00	1.00						
32.012	110.744					52		-10	-4				.82	.88						
32.001	110.683					53		-10	-5				.70	.94						
31.995	110.629					52		-10	-4				.77	1.00						
31.983	110.557					51		-9	-3				.75	.95						
31.991	110.494					52		-10	-4				.85	1.00						
32.021	110.424					53		-10	-5				1.00	1.00						
32.043	110.355					52		-9	-4				1.00	1.00						
32.056	110.288					51		-8	-3				1.00	.95						
32.066	110.218					51		-8	-3				1.00	.60						
32.066	110.145					51		-6	-3				1.00	.90						
32.059	110.070					52		-7	-3				1.00	1.00						
32.053	109.996					53		-8	-4				1.00	1.00						
32.044	109.921					53		-8	-4				1.00	.90						
32.034	109.841					53		-8	-4				1.00	.70						
32.026	109.752					53		-7	-4				1.00	.70						
32.019	109.670					51		-6	-2				1.00	1.00						
32.013	109.582					50		-5	-1				1.00	1.25						
32.009	109.497					49		-4	0				.95	.90						
32.000	109.409					48		-3	2				1.00	1.06						
31.989	109.320					49		-4	3				1.00	1.50						
31.981	109.231					48		-2	4				1.00	1.50						
31.973	109.141					47		-1	5				1.25	1.30						
31.963	109.054					47		-1	5				1.25	1.20						
31.953	108.966					49		-3	3				1.15	1.05						
31.946	108.878					49		-1	4				1.15	1.30						
31.943	108.790					48		-1	6				1.30	1.40						
31.936	108.702					47		0	7				1.15	1.70						
31.923	108.615					48		-0	5				1.30	1.45						
31.913	108.528					48		-0	5				1.60	1.55						
31.901	108.440					48		-0	5				1.65	1.40						
31.891	108.353					48		0	5				1.85	1.25						
31.880	108.265					48		-0	6				1.85	1.40						
31.870	108.178					48		1	6				1.75	1.50						
31.862	108.090					49		0	5				1.60	1.60						
31.854	108.002					49		-0	5				1.60	1.00						
31.846	107.914					49		1	5				1.60	.65						
31.841	107.827					48		2	6				1.50	.45						
31.838	107.738					48		2	7				1.50	.60						
31.832	107.651					50		-0	5				1.60	.95						
31.827	107.567					49		1	6				1.45	1.25						
31.821	107.480					49		1	8				1.50	1.60						
31.816	107.391					49		1	7				1.60	1.70						
31.816	107.302					49		1	7				1.55	1.55						
31.817	107.212					49		2	7				1.50	1.60						
31.819	107.123					48		3	8				1.70	1.60						
31.820	107.033					48		4	8				1.90	1.40						

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SUMMER STABILITY TABLE - 7980 CHAIN - SEGMENT 13

REFERENCE																											
														OHI-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
31.820	106.943					48		3	8				1.85	1.30						
31.821	106.854					49		3	8				1.70	1.15						
31.817	106.765					48		3	9				1.60	1.05						
31.815	106.675					48		3	9				1.75	1.25						
31.812	106.587					48		4	9				1.85	1.00						
31.809	106.497					49		3	8				1.60	.70						
31.807	106.407					49		3	8				1.60	.70						
31.807	106.318					49		3	9				1.90	.80						
31.811	106.229					48		4	10				1.90	1.40						
31.809	106.141					48		4	10				1.70	1.60						
31.798	106.053					49		5	9				1.75	1.25						
31.789	105.964					50		5	9				1.90	1.00						
31.780	105.875					50		4	9				1.90	.80						
31.774	105.785					50		5	9				1.90	1.15						
31.770	105.695					49		6	10				1.95	1.55						
31.764	105.604					49		6	10				2.20	1.25						
31.761	105.514					49		6	10				2.20	1.20						
31.759	105.409					49		6	10				2.15	1.30						
31.755	105.321					49		6	10				2.11	1.17						
31.751	105.231					49		7	11				1.90	1.55						
31.748	105.143					50		6	12				1.95	1.60						
31.743	105.038					50		6	11				2.03	1.60						
31.755	104.953					50		6	12				2.00	1.60						
31.769	104.851					49		7	13				1.94	1.60						
31.751	104.751					50		7	13				2.05	1.40						
31.712	104.678					49		8	14				2.08	1.48						
31.670	104.602					50		7	14				1.90	1.60						
31.632	104.523					50		8	13				1.90	1.60						
31.601	104.457					50		8	14				2.00	1.80						
31.558	104.363					51		7	13				2.20	1.75						
31.522	104.282					51		7	14				2.33	1.90						
31.481	104.189					50		8	15				2.20	1.90						
31.450	104.122					50		9	15				2.20	2.05						
31.406	104.028					51		8	14				2.20	2.00						
31.370	103.948					51		8	14				2.25	1.90						
31.333	103.868					52		7	13				2.20	1.90						
31.299	103.787					52		7	13				2.15	1.75						
31.264	103.706					51		8	15				2.05	1.75						
31.232	103.623	-3.71	-3.56			52	-6	7	14			1.00	2.00	1.60						
31.200	103.541	-2.09	-4.20			53	-7	6	13			1.20	1.90	1.70						
31.168	103.459	-1.95	-3.48			53	-7	6	13			1.60	1.90	1.75						
31.135	103.379	-1.91	-3.35			53	-7	6	13			1.56	1.90	1.77						
31.097	103.283	-1.94	-3.11			52	-6	7	14			1.45	1.90	1.65						
31.075	103.217	-1.78	-2.95			54	-8	5	13			1.30	1.90	1.85						
31.027	103.141	-2.43	-3.51			54	-8	5	13			1.30	1.90	1.90						
30.990	103.064	-2.24	-3.55			55	-9	4	12			1.30	1.60	1.90						
30.951	102.971	-2.35	-3.74			55	-9	4	12			1.25	1.75	1.90						
30.928	102.886	-2.42	-3.89			56	-10	3	11			1.15	1.85	1.90						
30.909	102.800	-2.47	-3.86			56	-10	3	11			1.00	1.86	1.90						

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SUMMER 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
30.902	102.699	-2.46	-3.85			56	-10	3	11			1.00	1.90	1.65						
30.896	102.609	-2.89	-3.44			56	-10	3	11			1.00	1.90	1.70						
30.890	102.522	-2.35	-3.27			55	-9	4	12			1.15	1.90	1.75						
30.881	102.431	-2.36	-3.41			55	-9	4	12			1.26	1.64	1.60						
30.875	102.327	-2.39	-3.49			57	-10	2	10			1.21	1.73	1.64						
30.865	102.224	-2.85	-3.80			57	-10	3	10			1.20	1.60	1.60						
30.858	102.135	-2.43	-2.88			56	-9	4	11			1.30	1.60	1.60						
30.850	102.047	-3.36	-3.32			55	-8	5	12			1.13	1.51	1.60						
30.841	101.944	-3.10	-3.56			55	-8	4	11			1.00	.90	1.10						
30.831	101.855	-2.51	-2.77			56	-10	4	11			1.00	1.00	.90						
30.821	101.765	-2.54	-3.32			56	-10	3	10			1.00	.70	.70						
30.810	101.680	-2.52	-3.21			56	-10	3	10			1.00	.95	.75						
30.797	101.578	-2.51	-2.80			57	-10	2	9			1.05	.70	.60						
30.784	101.487	-2.49	-3.13			57	-10	3	10			1.00	.65	.75						
30.770	101.402	-2.99	-3.30			57	-10	4	11			1.00	.95	.90						
30.757	101.329	-2.31	-2.39			57	-10	3	10			1.00	.75	1.00						
30.743	101.224	-2.49	-3.54			56	-9	4	11			1.10	.75	.70						
30.732	101.137	-2.45	-3.57			57	-10	5	11			1.30	.75	.70						
30.720	101.048	-2.35	-3.64			57	-9	4	11			1.30	.96	.70						
30.711	100.947	-2.42	-3.96			57	-9	4	11			1.30	1.00	.96						
30.704	100.842	-2.49	-4.04			57	-9	4	11			1.30	.80	.85						
30.698	100.753	-2.47	-3.99			57	-9	5	11			1.30	.75	.55						
30.694	100.666	-2.92	-4.25			58	-10	4	11			1.30	.66	.70						
30.691	100.576	-2.52	-3.97			58	-10	4	11			1.60	.90	.70						
30.687	100.472	-2.54	-3.56			58	-9	4	11			1.47	.91	.91						
30.676	100.368	-2.45	-3.39			59	-10	4	11			1.30	1.00	.85						
30.662	100.280	-2.45	-3.54			59	-10	4	11			1.30	.95	.95						
30.648	100.207	-2.52	-3.45			59	-10	4	11			1.30	1.00	1.00						
30.634	100.118	-2.60	-3.54			59	-10	5	11			1.30	1.18	.94						
30.617	100.014	-2.59	-3.87			60	-10	4	11			1.30	1.40	.75						
30.602	99.925	-2.59	-3.98			60	-10	4	11			1.47	1.30	1.00						
30.585	99.822	-2.54	-3.68			60	-10	4	11			1.60	1.26	1.00						
30.568	99.719	-2.61	-4.23			59	-8	5	13			1.55	1.00	.95						
30.560	99.630	-3.05	-4.75			59	-8	6	13			1.30	1.00	1.00						
30.552	99.541	-2.65	-4.11			59	-8	7	14			1.30	.95	1.00						
30.547	99.466	-2.61	-4.23			59	-8	6	14			1.40	1.00	1.00						
30.536	99.361	-2.61	-4.03			60	-9	6	14			1.30	1.00	.95						
30.528	99.272	-3.60	-5.34			60	-9	5	13			1.60	1.05	1.00						
30.518	99.181	-2.60	-4.10			59	-8	6	14			1.60	1.34	1.47						
30.504	99.075	-2.58	-4.14			60	-8	6	13			1.60	1.40	1.50						
30.488	98.986	-2.95	-4.62			60	-8	6	14			1.55	1.40	1.50						
30.475	98.895	-2.59	-4.41			60	-8	7	14			1.60	1.45	1.70						
30.470	98.804	-2.57	-4.17			61	-9	6	13			1.80	1.85	1.60						
30.457	98.715	-2.50	-3.95			61	-8	7	14			1.90	2.00	1.55						
30.445	98.640	-2.54	-4.25			61	-8	7	13			1.90	2.10	1.35						
30.428	98.536	-2.48	-3.98			62	-8	7	13			1.90	2.10	1.40						
30.415	98.446	-2.83	-4.59			61	-7	8	13			1.90	2.25	1.50						
30.407	98.356	-2.47	-4.67			62	-7	7	12			1.90	2.25	1.50						
30.391	98.268	-2.97	-5.14			62	-7	7	12			1.90	2.20	1.55						

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SUMMER 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
30.376	98.193	-2.47	-4.66			62	-7	7	12			1.95	1.90	1.40						
30.353	98.091	-2.91	-5.15			62	-6	8	12			2.11	1.90	1.43						
30.337	98.004	-2.61	-4.63			63	-7	7	11			2.20	1.85	1.50						
30.324	97.900	-2.59	-4.80			63	-7	7	11			2.03	1.90	1.43						
30.311	97.795	-2.60	-5.00			63	-7	7	12			1.90	1.90	1.40						
30.301	97.720	-2.59	-5.07			63	-6	7	12			1.90	1.85	1.70						
30.292	97.615	-2.65	-5.23			63	-6	8	12			2.16	1.90	1.81						
30.289	97.508	-2.62	-5.37			63	-6	8	12			2.20	1.90	1.60						
30.289	97.416	-2.61	-4.99			64	-7	7	11			2.20	2.20	1.45						
30.286	97.324	-2.56	-5.13			64	-7	7	11			2.20	2.00	1.30						
30.282	97.232	-2.54	-4.64			65	-8	7	10			2.20	1.95	1.40						
30.279	97.139	-2.52	-5.49			64	-7	8	11			2.20	2.05	1.40						
30.277	97.047	-2.57	-5.11			65	-7	7	10			2.20	2.11	1.43						
30.278	96.938	-2.97	-5.66			65	-7	7	10			2.20	1.90	1.40						
30.278	96.846	-3.08	-5.02			65	-7	7	10			2.25	1.95	1.60						
30.279	96.753	-2.88	-5.80			66	-8	7	9			2.46	1.81	1.60						
30.280	96.645	-2.51	-5.03			66	-8	7	8			2.50	1.90	1.40						
30.282	96.553	-2.56	-5.02			66	-8	7	8			2.50	1.90	1.70						
30.290	96.461	-2.57	-5.19			68	-10	5	6			2.50	1.85	1.65						
30.298	96.371	-2.58	-4.47			67	-9	6	7			2.50	1.90	1.45						
30.301	96.278	-2.85	-5.04			66	-8	7	8			2.50	1.77	1.47						
30.299	96.174	-2.51	-4.13			66	-8	8	8			2.50	1.85	1.40				-4.45	-2.61	
30.298	96.081	-3.06	-4.55			68	-9	7	7			2.50	1.90	1.60				-4.41	-2.89	
30.297	96.005	-2.49	-4.02	-2.92		67	-8	7	7	-27	h, i	2.25	1.65	1.45	2.50			-4.45	-2.92	
30.300	95.897	-2.52	-4.10	-3.18		67	-8	8	8	-27		2.40	2.00	1.75	2.45			-4.43	-2.87	
30.303	95.805	-2.49	-4.94	-2.90		67	-7	9	8	-26		2.24	2.20	2.07	2.50			-4.56	-2.70	
30.310	95.698	-3.04	-4.08	-2.99		68	-7	8	7	-27		2.20	2.24	2.03	2.37			-4.57	-2.76	
30.317	95.589	-2.87	-5.56	-3.22		67	-6	10	7	-26		2.20	2.46	2.11	2.46			-5.34	-2.64	
30.322	95.483	-2.46	-4.55	-2.66		67	-6	10	7	-25		2.20	2.50	1.95	2.40			-5.08	-2.64	
30.314	95.391	-2.75	-4.87	-2.43		67	-5	10	7	-25		2.20	2.24	1.81	2.24			-5.12	-2.59	
30.294	95.285	-3.03	-5.22	-3.34		66	-4	12	8	-24		2.20	2.02	1.78	2.20			-5.01	-2.57	
30.280	95.195	-2.80	-4.56	-2.57		66	-4	12	1	-23		2.20	2.20	1.90	2.20		-2.44	-4.68	-2.48	
30.264	95.088	-2.45		-2.58		66	-3	13		-22		2.20	2.20		2.20		-2.48		-2.53	
30.252	94.996	-2.92	-6.34	-3.09		66	-3	14	8	-22		2.20	2.20	2.05	2.20		-2.48	-5.56	-2.48	
30.240	94.888	-2.37	-5.58	-2.42		67	-3	12	7	-23		2.20	2.30	1.75	2.20			-5.29	-2.39	
30.230	94.812	-2.36	-4.51	-2.45		67	-3	12	7	-23		2.20	2.50	2.00	2.20			-4.75	-2.40	
30.216	94.704	-2.79	-4.49	-2.89		67	-3	13	6	-22		2.29	2.37	2.16	2.20			-4.67	-2.33	
30.202	94.596	-2.88	-5.04	-2.98		66	-2	14	7	-20		2.20	2.50	1.95	2.15			-5.26	-2.30	
30.192	94.504	-2.36	-5.08	-2.36		67	-3	13	7	-21		2.20	2.41	2.11	2.11			-5.25	-2.29	
30.181	94.397	-2.34	-4.29	-2.30		67	-3	14	7	-20		2.20	2.35	2.05	1.90			-4.79	-2.21	
30.175	94.303	-2.78	-4.67	-2.35		66	-2	15	7	-19		2.20	2.20	2.20	1.90			-4.79	-2.25	
30.164	94.210	-2.35	-4.63	-2.30		66	-1	15	7	-19		2.20	2.20	2.11	1.90			-4.92	-2.31	
30.151	94.103	-2.92	-4.84	-2.35		66	-1	16	7	-19		2.20	2.35	2.20	1.90			-4.83	-2.35	
30.143	94.013	-2.38	-5.23	-2.85		65	1	17	7	-17		2.20	2.41	1.90	1.86			-4.69	-2.36	
30.146	93.907	-2.81	-4.14	-2.85		65	1	17	7	-17		2.20	2.30	2.15	1.70			-3.79	-2.25	
30.154	93.814	-2.36	-3.63	-2.27		65	1	18	7	-16		2.30	2.30	2.05	1.60			-3.71	-2.19	
30.161	93.721	-2.37	-4.18	-2.18		65	2	18	7	-16		2.50	2.40	1.95	1.50			-4.08	-2.20	
30.167	93.644	-2.94	-4.06	-2.61		65	2	18	7	-15		2.50	2.50	2.20	1.35			-3.95	-2.09	
30.165	93.536	-2.42	-4.36	-1.96		63	4	21	9	-13		2.50	2.46	2.07	1.34			-4.28	-2.12	

SUMMER STABILITY TABLE - 7980 CHAIN - SEGMENT 13

REFERENCE | OHI-7000#1 | TDL-711

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	TD BIAS uS MW	MX	MY	MZ
30.149	93.428	-2.50	-4.42	-1.87		64	3	20	8	-14		2.50	2.50	1.81	1.30			-4.31	-2.07	
30.138	93.322	-2.60	-3.41	-1.88		65	4	21	7	-15		2.50	2.35	2.05	1.30			-3.64	-1.88	
30.146	93.245	-2.61	-3.60	-1.84		64	4	21	7	-14		2.50	2.20	2.20	1.30			-3.14	-1.80	
30.152	93.153	-2.57	-3.41	-1.78		64	4	22	7	-13		2.50	2.30	1.90	1.30			-3.40	-1.96	
30.153	93.045	-2.59	-3.93	-1.80		63	5	23	8	-12		2.50	2.45	1.95	1.30			-3.70	-1.96	
30.152	92.966	-2.57	-3.39	-1.67		63	6	23	8	-12		2.45	2.25	1.90	1.30			-4.03	-1.83	
30.152	92.857	-2.53	-3.52	-1.73		64	6	24	7	-13		2.50	2.50	1.85	1.30			-3.65	-1.84	
30.151	92.780	-3.08	-4.05	-1.73		64	5	23	6	-12		2.50	2.40	1.80	1.40			-3.78	-1.77	
30.152	92.671	-3.13	-4.80	-2.23		64	6	24	7	-12		2.45	2.45	2.15	1.55			-4.03	-1.81	
30.149	92.579	-2.62	-4.39	-1.72		62	8	26	8	-10		2.50	2.45	2.00	1.55			-3.96	-1.79	
30.147	92.486	-3.16	-4.21	-2.17		62	8	26	7	-10		2.77	2.77	2.20	1.50			-4.14	-1.82	
30.144	92.393	-3.28	-3.66	-1.67		62	8	27	7	-10		2.90	2.90	2.20	1.60			-4.08	-1.80	
30.145	92.300	-2.70	-5.04	-1.77		63	7	26	6	-11		2.90	2.90	2.24	1.73			-4.41	-1.86	
30.149	92.192	-2.71	-4.52	-1.78		64	6	26	5	-12		2.90	2.90	2.20	1.90			-4.31	-1.84	
30.151	92.100	-2.64	-2.82	-1.58		64	6	26	5	-11		2.90	2.90	2.25	1.90			-3.06	-1.69	
30.152	92.009	-3.33	-3.44	-1.60		62	8	29	7	-9		2.90	2.90	2.20	2.20			-2.87	-1.78	
30.148	91.915	-3.73	-3.41	-1.42		62	8	29	6	-9		3.20	2.90	2.26	2.20			-3.31	-1.57	
30.144	91.822	-2.79	-4.07	-1.22		61	10	31	8	-8		2.90	2.90	2.40	2.20			-3.41	-1.41	
30.132	91.730	-2.69	-3.66	-1.27		61	10	31	7	-8		3.10	2.70	2.20	2.35			-3.29	-1.48	
30.123	91.626	-2.46	-2.37	-1.40		61	10	32	7	-7		2.83	2.25	1.85	2.50			-2.92	-1.48	
30.117	91.532	-3.30	-3.91	-1.30		61	10	32	6	-7		2.57	2.20	1.90	2.25			-3.25	-1.40	
30.113	91.439	-2.82	-3.83	-1.76		62	10	32	5	-8		2.50	2.20	1.70	2.20			-3.47	-1.35	
30.113	91.349	-2.97	-3.75	-1.30		61	11	33	6	-7		2.50	2.24	1.69	2.20			-3.09	-1.34	
30.112	91.256	-2.36	-2.52	-1.31		61	11	34	5	-6		2.50	2.26	1.66	2.02			-2.83	-1.48	
30.112	91.148	-2.41	-2.43	-1.31		61	12	35	5	-6		2.50	2.50	1.60	1.90			-2.87	-1.49	
30.112	91.040	-2.46	-3.07	-1.37		60	14	37	7	-4		2.50	2.40	1.60	1.90			-2.88	-1.48	
30.118	90.945	-2.46	-2.73	-1.31		61	12	35	5	-5		2.50	2.20	1.65	1.90			-3.04	-1.39	
30.134	90.855	-2.41	-2.81	-1.37		61	11	34	4	-7		2.50	2.20	1.64	1.60			-2.59	-1.43	
30.173	90.753	-2.37	-2.67	-1.49		62	11	34	3	-8		2.40	2.20	1.60	1.65			-3.03	-1.54	
30.209	90.668	-2.36	-2.59	-1.55		62	12	35	3	-7		2.50	2.35	1.60	1.60			-2.94	-1.69	
30.240	90.597	-2.55	-2.88	-1.65		62	13	36	4	-6		2.50	2.20	1.75	1.60			-3.20	-1.84	
30.283	90.499	-2.53	-2.93	-1.68		62	12	35	3	-6		2.50	2.29	1.60	1.56			-3.19	-1.96	
30.305	90.392	-3.86	-3.61	-1.67		62	12	35	3	-5		2.50	2.50	1.60	1.50			-3.46	-1.92	
30.310	90.299	-2.93	-3.89	-1.78		62	12	35	3	-5		2.50	2.32	1.72	1.60			-3.59	-1.97	
30.322	90.207	-3.25	-3.63	-1.85		62	12	34	3	-5		2.50	2.20	1.81	1.60			-3.74	-1.77	
30.330	90.114	-3.48	-3.58	-2.16		62	12	33	3	-5		2.50	2.20	1.75	1.60			-3.63	-1.59	
30.340	90.006	-2.98	-2.89	-1.43		62	13	33	3	-5		2.45	2.20	1.90	1.60			-3.42	-1.37	
30.350	89.913	-3.15	-3.04	-1.37		62	13	31	2	-5		2.29	2.20	1.86	1.60			-3.82	-1.37	
30.359	89.808	-3.57	-3.10	-1.41		62	13	31	2	-5		2.25	2.20	1.70	1.30			-3.76	-1.34	
30.367	89.715	-2.57	-3.64	-1.51		62	13	29	2	-5		2.25	2.20	1.60	1.50			-3.47	-1.36	
30.374	89.615	-3.63	-4.18	-2.16		63	13	27	0	-5		2.45	2.15	1.60	1.65			-3.82	-1.63	
30.385	89.519	-2.61	-3.19	-1.80		63	14	27	-0	-5		2.50	2.11	1.51	1.99			-3.48	-1.72	
30.411	89.412	-2.62	-3.41	-2.25		62	15	28	1	-4		2.57	2.20	1.60	1.95			-3.79	-1.68	
30.432	89.328	-2.63	-3.35	-1.35		62	16	28	1	-3		2.83	2.25	1.75	1.90			-3.22	-1.29	
30.446	89.249	-2.13	-2.53	-1.54		64	15	26	-1	-5		2.77	2.25	1.60	1.95			-2.79	-1.50	
30.492	89.201	-2.70	-3.16	-1.86		62	16	27	1	-3		2.95	2.00	1.40	2.35			-2.87	-1.59	
30.484	89.161	-2.33	-2.79	-1.32		63	16	26	-0	-4		2.90	2.57	1.35	1.95			-3.24	-1.56	

SUMMER 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
30.372	88.934	-1.20	-1.91	-.89		57	21	29	4	1		2.50	2.50	2.20	2.30			-2.37	-.95	
30.410	88.881	-1.39	-2.08	-1.03		57	21	29	4	1		2.57	2.57	1.85	2.10			-2.29	-1.02	
30.458	88.836	-.87	-1.71	-1.10		57	22	29	5	2		2.77	2.57	1.80	1.95			-2.47	-1.12	
30.514	88.781	-1.25	-2.12	-.91		58	20	27	2	1		2.66	2.74	1.90	2.32			-2.50	-1.29	
30.548	88.748	-1.98	-3.03	-.91		57	21	28	3	1		2.50	2.90	1.75	2.20			-2.05	-1.15	
30.729	88.281	-2.05	-2.78	-.67		58	21	24	-0	1		2.25	2.50	1.75	1.75			-2.63	-.62	
30.735	88.201	-1.56	-2.45	-.17		58	21	23	0	1		2.40	2.45	1.60	1.95			-2.83	-.67	
30.742	88.120	-1.53	-2.53	-.78		61	18	20	-3	-2		2.45	2.50	1.75	1.85			-2.86	-.76	
30.750	88.038	-1.49	-2.50	-.62		59	20	21	-2	-0		2.20	2.26	1.66	1.84			-2.90	-.61	
30.758	87.958	-.94	-1.96	-.50		57	22	23	-0	2		2.20	2.20	1.70	1.90			-2.34	-.47	
30.768	87.876	-.92	-1.96	-.49	1.95	58	22	22	-1	1	0	2.05	2.50	1.55	2.00	1.80		-2.46	-.47	
30.778	87.788	-1.65	-2.74	-.01	2.51	59	21	21	-2	0	0	2.05	2.50	1.35	1.70	1.65		-2.43	-.35	
30.787	87.701	-.92	-2.08	-.36	1.98	60	20	20	-3	-1	-1	2.20	2.50	1.50	1.50	1.60		-2.58	-.32	
30.792	87.613	-.64	-1.79	-.17	2.00	60	21	20	-3	-1	-1	2.20	2.50	1.35	1.85	1.70		-1.97	-.12	
30.798	87.523	-.54	-1.79	-.21	2.60	60	22	19	-4	-1	-1	2.40	2.50	1.35	1.85	1.90		-2.39	-.18	
30.806	87.436	-.63	-1.99	-.16	2.10	60	22	18	-4	-2	-1	2.40	2.50	1.50	1.60	1.85		-2.30	-.10	
30.814	87.348	-.44	-1.84	-.09	2.11	61	21	17	-5	-3	-1	2.25	2.50	1.50	1.20	1.85		-2.22	.07	
30.819	87.258	-.73	-2.14	.54	3.16	62	22	16	-7	-4	-2	2.50	2.20	1.30	1.35	1.90		-2.44	.16	
30.822	87.169	-1.30	-2.69	.14	2.05	62	21	15	-8	-4	-2	2.25	2.20	1.30	1.45	1.85		-2.36	.27	
30.823	87.080	-.46	-1.93	.31	2.07	63	21	15	-9	-4	-2	2.20	2.20	1.00	1.35	1.90		-2.31	.36	
30.824	86.991	-.37	-1.89	.32	2.06	63	21	14	-9	-4	-2	2.00	2.20	1.10	1.55	2.15		-2.20	.40	
30.827	86.902	-.41	-2.05	.48	2.10	64	21	12	-10	-5	-2	2.05	2.20	1.05	1.50	2.20		-2.42	.56	
30.831	86.813	-.60	-2.11	.82	1.98	63	22	12	-10	-3	-2	2.20	2.15	1.20	1.60	2.20		-2.34	.92	
30.836	86.724	-.98	-2.55	.76	1.99	62	24	13	-9	-2	0	2.20	1.95	1.25	1.65	2.00		-2.41	.84	
30.836	86.636	-.83	-2.32	.84	2.46	62	25	12	-10	-1	0	2.35	1.90	.80	2.15	2.15		-1.75	.93	
30.833	86.547	-.97	-2.66	.70	2.01	62	26	12	-10	0	0	2.35	1.95	.80	2.35	2.00		-2.29	.94	
30.829	86.458	-.15	-1.63	.88	1.89	61	27	12	-10	1	1	2.50	1.90	.70	2.35	1.90		-1.88	1.08	
30.826	86.369	-.38	-1.88	.91	1.82	62	28	11	-10	0	1	2.50	1.60	.65	2.20	1.90		-2.12	.98	
30.822	86.281	.06	-1.61	.82	1.83	61	29	12	-9	1	2	2.50	1.60	.95	2.20	1.90		-2.05	.92	
30.821	86.193	-.19	-1.79	1.04	1.74	60	30	12	-9	2	3	2.40	1.65	.75	2.00	1.80		-1.54	1.22	
30.819	86.101	-.43	-2.02	1.48	2.24	61	31	12	-10	2	3	2.50	1.65	.90	2.00	1.90		-2.38	1.08	
30.817	86.015	-.37	-1.85	1.07	1.74	62	31	11	-12	1	2	2.40	1.90	.32	2.10	1.90		-1.39	1.14	
30.813	85.926	1.28	.15	1.53	2.31	62	31	10	-13	1	1	2.35	1.95	.33	2.35	1.90		-.13	1.71	
30.811	85.836	1.43	.27	1.60	1.55	63	32 b	9	-13	0	1	2.50	1.90	.64	2.20	1.96		-.41	1.56	
30.811	85.743	-.16	-1.54	1.72	2.12	64	32	8	-14	-1	0	2.50	1.80	.75	1.90	1.90		-2.09	1.30	
30.806	85.654	-.97	-2.56	1.38	1.45	64	33	7	-14	-1	0	2.50	1.90	.95	1.95	2.15		-2.48	1.48	
30.802	85.563	-1.09	-2.78	1.41	1.98	66 b	33	6	-15	-2	-2	2.57	2.10	1.00	2.15	2.15		-2.81	1.55	
30.801	85.476	-.09	-2.02	1.20	1.32	67	33	4	-16	-3	-2	2.70	2.20	1.05	2.00	2.10		-2.51	1.28	
30.798	85.382	-.49	-2.52	1.20	1.82	66	36	5	-16	-2	-1	2.90	2.35	.80	2.20	2.15		-2.55	1.21	
30.796	85.290	-.14	-2.36	1.23	2.06	66	37	5	-16	-1	-1	2.90	2.50	.95	2.50	2.20		-2.44	1.25	
30.793	85.204	.32	-1.66	1.36	1.46	67	37	4	-17	-2	-2	3.05	2.50	1.00	2.50	2.10		-1.57	1.18	
30.789	85.110	1.13		1.81	1.58	72	32	-2 b		-7	-6	3.20	2.50		2.35	2.40		-1.46	2.02	
30.767	85.027	1.74		1.52	1.19	71	32	-1		-6	-5	3.20	2.30		2.35	2.50		-.59	1.77	
30.743	84.942	1.95		1.70	1.27	73	29	-3		-7	-7	2.90	2.20		2.50	2.25		-.21	2.05	
30.719	84.858	2.24		2.75	2.04	71	28	-2		-5	-5	2.90	2.10		2.45	2.20		.18	2.40	
30.693	84.774	2.42		2.64	1.84	69	29	0		-3	-3	2.90	2.10		2.45	2.25		.30	2.37	
30.666	84.691	2.45		2.03	1.43	66	30	3		0	0	2.90	2.20		2.50	2.50		.36	2.41	
30.639	84.608	2.51		2.13	1.41	65	30	4		2	2	2.90	2.20		2.57	2.50		.39	2.41	
30.612	84.525	2.63		2.30	1.42	64	30	4		2	2	2.90	2.20		2.50	2.50		.43	2.75	

SUMMER 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
30.584	84.442	2.65		2.26	1.44	66	27	2		0	1	2.50	2.20		2.50	2.50		.38	2.53	
30.557	84.359	2.81		2.72	1.41	64	28	3		2	2	2.50	2.20		2.50	2.30		.53	2.82	
30.557	84.270	2.80		2.50	1.20	62	29	5		4	5	2.50	2.10		2.40	2.20		.50	2.79	
30.554	84.182	2.74		2.56	1.52	61	29	6		5	6	2.77	2.20		2.30	2.35		.55	3.03	
30.553	84.093	2.74		2.96	1.80	62	28	5		4	5	2.90	2.10		2.50	2.50		.53	2.77	
30.552	84.005	2.69		2.34	1.23	62	27	4		5	5	2.50	2.05		2.40	2.50		.49	2.62	
30.550	83.916	2.72		2.68	1.00	62	27	5		6	6	2.50	2.15		2.25	2.40		.42	2.43	
30.551	83.827	2.61		2.30	2.33	63	25	3		4	5	2.50	2.20		2.40	2.35		.32	2.48	
30.549	83.739	2.51		1.98	1.65	64	23	2		3	4	2.50	2.20		2.50	2.35		.36	2.45	
30.544	83.651	2.62		2.06	.51	62	25	4		6	6	2.50	2.20		2.50	2.30		.48	2.40	
30.543	83.562	2.57		1.75	.43	61	25	5		7	7	2.50	2.20		2.50	2.20		.34	2.32	
30.538	83.475	2.67		2.46	.54	60	26	6		9	9	2.50	2.20		2.45	2.20		.24	2.19	
30.538	83.384	2.43		2.50	1.64	60	25	5		8	9	2.50	2.20		2.50	2.30		.19	2.26	
30.534	83.296	2.64		1.70	-.18	58	27	7		11	11	2.50	2.20		2.50	2.20		.30	2.41	
30.530	83.208	2.47		1.71	1.14	59	25	6		10	10	2.50	2.25		2.50	2.20		.10	2.02	
30.522	83.121	2.43		1.39	-.06	60	24	5		10	9	2.50	2.20		2.57	2.15		-.11	1.98	
30.522	83.034	2.46		1.70	.42	59	25	6		11	10	2.77	2.50		2.70	2.20		-.32	1.67	
30.513	82.946	2.48		1.18	-.88	58	25	6		11	11	3.05	2.40		2.83	2.15		-.23	1.16	
30.513	82.860	2.41		.80	-1.01	58	25	6		12	11	3.20	2.70		2.90	2.45		-.45	.87	
30.509	82.773	2.36		.58	-1.12	59	23	5		11	10	3.40	3.00		3.20	2.20		-.50	.98	
30.505	82.686	2.33		.82	-.97	59	23	5		11	10	3.38	3.02		3.20	2.26		-.49	.99	
30.499	82.599	2.34		1.12	-.37	59	23	4		11	10	3.45	3.15		3.20	2.25		-.54	.73	
30.548	82.540	2.20		-1.30	-1.24	59	23	5		11	11	2.73	2.63		3.15	1.90		-.88	-1.18	
30.622	82.557	2.12		-1.07	-.68	59	22	4		10	10	2.80	2.40		2.83	2.20		-.77	-.97	
30.699	82.570	2.16		-.49	-.80	59	22	4		10	6	3.25	2.57		2.57	2.25		-.65	-.79	
30.773	82.576	2.18		-.44	-.89	58	23	5		11	11	3.30	2.50		2.83	2.30		-.43	-.56	
30.849	82.581	2.15		-.35	-.70	56	25	8		13	9	3.20	2.63		2.90	2.25		-.34	-.36	
30.926	82.584	2.18		-.33	-.07	57	24	7		12	8	3.20	3.10		3.10	2.20		-.41	-.41	
31.002	82.581	2.19		-.42	.67	59	22	4		10	11	3.20	2.87		3.05	2.20		-.36	-.36	
31.079	82.573	2.19		-.24	.51	60	21	3		9	11	3.20	2.50		2.90	2.30		-.30	-.21	
31.155	82.566	2.24		-.83	.25	60	22	4		10	12	3.20	2.50		2.90	2.50		-.29	-.70	
31.231	82.556	2.33		-.55	.69	62	19	1		6	9	3.20	2.50		3.00	2.50		-.36	-.26	
31.307	82.548	2.37		-.51	.19	61	20	2		7	10	3.20	2.50		2.95	2.50	2.48			.57
31.382	82.534	2.43		-.39	.98	63	18	0		5	8	3.20	2.63		2.90	2.50	2.54			.99
31.458	82.521	2.45		-.17	1.02	64	18	1		4	8	3.20	2.90		2.90	2.50	2.55			.87
31.533	82.509	2.45		.08	.59	63	19	2		5	9	3.20	3.15		2.63	2.50	2.60			.98
31.598	82.470	2.46		.58	1.71	63	19	2		5	10	3.40	3.45		2.50	2.15	2.58			.97
31.662	82.419	2.42		.09	.69	63	18	2		4	9	3.20	3.30		2.83	2.70	2.56			.73
31.724	82.367	2.38		.06	.59	62	19	3		5	10	3.20	3.20		2.90	2.50	2.62			1.00
31.786	82.314	2.48		-.26	1.35	64	16	1		4	8	3.10	3.20		2.95	2.50	2.58			.94
31.846	82.259	2.45		.51	1.80	65	16	-1		3	8	3.20	3.20		2.90	2.50	2.57			2.08
31.907	82.204	2.40		.26	1.90	63	17	1		4	10	3.20	3.20		2.90	2.50	2.59			2.04
31.967	82.152	2.37		-.42	1.29	62	18	2		4	11	3.15	3.15		2.70	2.50	2.62			1.28
32.028	82.099	2.42		-.89	1.29	62	17	2		3	11	2.90	2.95		2.20	2.40	2.61			.97
32.090	82.047	2.39		-1.41	.64	63	17	2		3	11	3.20	3.20		2.20	2.50	2.60			1.00
32.163	81.988	2.36		-1.41	.79	62	17	1		3	12	3.20	2.90		2.20	2.77	2.51			.76
32.215	81.945	2.39		-1.55	.58	62	17	1		3	12	3.15	2.90		2.25	2.90	2.55			.32
32.275	81.893	2.38		-1.96	-.08	62	16	1		3	12	3.10	2.90		2.25	2.83	2.65			-.08
32.338	81.841	2.48		-2.19	-.51	60	18	3		5	14	2.90	2.90		2.25	2.50	2.70			-.15

SUMMER 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
32.401	81.787	2.54		-2.22	.12	62	17	2		4	13	2.90	2.90		2.40	2.50	2.74			.11
32.465	81.739	2.41		-2.32	-.25	61	17	2		3	14	3.15	3.05		2.40	2.50	2.75			-.63
32.525	81.683	2.41		-1.45	-.73	61	17	2		3	14	3.20	3.20		2.15	2.50	2.57			.37
32.587	81.634	2.22		-.94	-.18	61	16	2		3	14	3.20	3.05		2.05	2.50	2.40			-.77
32.650	81.584	2.29		-1.25	-.62	62	15	1		2	13	3.20	3.20		1.90	2.50	2.48			-.80
32.714	81.532	2.26		-1.12	.09	61	17	3		4	15	3.20	3.20		1.90	2.50	2.47			-.47
32.777	81.480	2.17		-1.18	-.83	61	16	2		3	15	3.20	3.45		2.35	2.57	2.36			-.60
32.841	81.428	2.16		-1.17	-1.99	61	15	1		2	15	3.30	3.30		2.45	2.70	2.44			-.41
32.904	81.377	2.22		-1.20	-.75	62	14	-1		1	14	3.20	3.05		2.25	2.40	2.47			-.54
32.967	81.326	2.23		-1.09	-.35	62	14	-1		2	15	3.00	2.95		2.40	2.50	2.44			-.43
33.018	81.258	2.12		-.70	-.18	60	15	1		3	17	3.20	3.10		1.85	2.25	2.37			.04
33.060	81.182	2.23		-1.04	-.68	60	15	0		3	17	3.20	2.77		2.00	2.50	2.48			-.17
33.101	81.102	2.22		-.57	.64	60	15	-0		3	18	3.05	2.50		2.15	2.50	2.45			.08
33.141	81.026	2.16		-.92	.22	61	13	-1		2	17	3.20	2.50		2.05	2.50	2.52			.10
33.181	80.948	2.35		-.79	-.33	62	12	-3		1	16	3.10	2.50		1.95	2.50	2.54			-.03
33.224	80.871	2.36		-1.01	.82	61	13	-2		2	18	2.90	2.50		2.15	2.50	2.59			.41
33.269	80.797	2.50		-1.23	.04	60	13	-1		3	19	2.90	2.77		2.05	2.50	2.71			.66
33.312	80.722	2.42		-.47	1.77	60	13	-2		3	20	2.90	2.57		1.90	2.50	2.67			.32
33.355	80.643	2.40		-1.03	.63	59	14	-1		4	21	2.90	2.70		2.05	2.83	2.60			.87
33.401	80.571	2.36		-.87	.55	59	14	-2		4	22	2.90	2.57		2.00	2.90	2.55			1.03
33.444	80.496	2.38		-1.17	.28	60	12	-3		2	21	2.90	2.45		1.90	2.90	2.63			.64
33.495	80.427	2.39		-1.48	.07	61	11	-4		1	20	2.57	2.15		2.35	2.83	2.55			.53
33.550	80.366	2.20		-1.26	.39	60	12	-3		2	21	2.70	2.40		2.25	2.70	2.35			.32
33.606	80.304	2.09		-1.38	.20	62	11	-5		1	20	2.90	2.50		2.20	2.57	2.33			.17
33.663	80.240	2.14		-1.35	1.08	62	10	-5		0	20	3.02	2.58		2.20	2.66	2.26			.33
33.719	80.179	2.11		-1.19	-.20	62	10	-6		0	20	2.90	2.63		2.25	2.50	2.37			.43
33.776	80.118	2.15		-1.42	-.25	61	10	-6		0	21	2.90	2.95		1.90	2.50	2.35			.09
33.842	80.045	2.17		-1.40	.38	61	10	-6		0	22	2.90	2.95		1.90	2.70	2.30			.32
33.890	79.995	2.16		-1.54	-.21	60	10	-6		1	23	2.90	2.50		2.15	2.90	2.40			.06
33.947	79.934	2.14		-1.36	.37	61	9	-8		0	22	3.15	2.57		1.95	2.90	2.39			.34
34.005	79.873	2.15		-1.46	.58	61	9	-8		-0	23	2.90	2.45		1.85	2.70	2.38			.36
34.063	79.812	2.17		-1.48	.29	61	9	-9		-0	23	2.90	2.20		2.20	2.50	2.39			.14
34.121	79.753	2.18		-1.69	-.30	61	8	-9		0	23	2.90	1.90		2.25	2.50	2.42			-.06
34.178	79.691	2.19		-1.42	.26	61	8	-9		-1	23	2.90	1.90		1.80	2.63	2.34			.08
34.234	79.627	2.09		-1.27	.08	62	6	-11		-3	22	3.05	2.05		2.05	2.90	2.33			.39
34.289	79.562	2.07		-1.18	.10	62	7	-12		-3	23	3.20	2.05		2.40	3.05	2.16			.29
34.346	79.500	1.82		-1.18	.38	60	8	-10		-2	24	3.20	1.90		2.30	3.15	2.13			.08
34.405	79.444			-1.54	-.55	60	8	C		-1	26	2.95			2.15	2.68	2.28			-.35
34.465	79.382			-1.33	-.13	60	8			-0	26	2.90			2.05	2.45	1.91			.12
34.524	79.323			-1.38	.60	60	8			-1	26	2.90			1.85	2.50	1.98			-.00
34.582	79.261			-1.61	-.44	60	8			-1	26	2.90			1.70	2.50	1.96			-.25
34.641	79.202			-1.87	-.79	59	9			1	28	2.90			2.00	2.50	1.95			-.40
34.699	79.142			-1.73	-.66	59	8			-0	28	2.70			2.05	2.50	1.91			-.81
34.758	79.080			-1.70	-.40	61	7			-2	27	2.90			1.75	2.50	1.94			-.42
34.816	79.021			-1.75	-.27	61	6			-2	26	2.77			1.95	2.50	1.98			-.69
34.876	78.959			-1.70	-.05	59	7			0	28	2.50			2.00	2.50	2.01			-.46
34.935	78.898			-1.67	-.65	60	5			-2	27	2.50			1.95	2.40				
34.938	78.804			-1.42	-.12	58	7			-0	29	2.25			1.90	2.05				
34.923	78.708			-1.78	-.42	58	8			-0	30	2.40			2.10	2.50				

SUMMER STABILITY TABLE - 7980 CHAIN SEG N1 14

REFERENCE ONI-730GR1

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	TD BIAS uS MW	MX	MY	MZ
34.918	78.610			-1.79	-.25	59	7			-1	29	2.63			2.20	2.70				
34.929	78.512			-1.71	-.54	61	5			-3	27	2.83			2.25	2.65				
34.926	78.415			-1.78	-.81	61	5			-3	28	2.77			2.30	2.25				
34.918	78.318			-1.80	-.41	61	4			-4	27	3.10			2.25	2.83				
34.909	78.220			-1.83	-.87	58	7			-1	30	3.20			2.45	2.95				
34.897	78.122			-1.65	-.13	59	6			-2	29	3.20			2.05	2.90				
34.884	78.024			-1.41	-.66	60	5			-3	29	3.35			1.85	3.05				
34.884	77.929			-2.01	-.55	59	6			-2	30	3.40			2.10	3.45				
34.946	77.874			-1.96	-1.22	60	4			-3	29	3.45			2.63	3.50				
35.009	77.826			-2.01	-1.37	62	2			-6	27	3.30			2.45	3.20				
35.072	77.778			-2.04	-1.23	62	3			-6	27	3.35			2.40	2.95				
35.131	77.725			-1.97	-1.43	60	4			-4	27	3.30			2.50	2.95				
35.203	77.679			-1.85	-1.31	59	5			-3	28	3.45			2.20	2.90				
35.269	77.630			-1.96	-1.42	59	5			-3	27	3.30			1.95	2.90				
35.336	77.586			-2.28	-1.75	59	4			-4	27	3.25			2.25	2.95				
35.402	77.541			-2.56	-2.06	58	5			-3	27	3.15			2.25	2.90				
35.479	77.489			-2.72	-2.31	58	5			-3	27	3.20			2.45	3.15				
35.545	77.441			-2.47	-2.01	59	4			-4	26	3.20			2.50	3.20				
35.612	77.395			-2.66	-2.18	59	3			-4	25	3.41			2.50	3.20				
35.691	77.340			-2.62	-2.19	58	4			-3	25	3.65			2.30	3.20				
35.747	77.302			-2.63	-2.12	58	4			-3	25	3.55			2.30	3.15				
35.814	77.256			-2.62	-2.16	59	3			-4	24	3.40			2.20	3.20				
35.892	77.201			-2.69	-2.24	57	4			-3	25	3.20			2.45	3.20				
35.960	77.154			-2.78	-2.30	58	2			-4	24	3.16			2.50	3.20				
36.038	77.099			-2.69	-2.25	57	3			-3	24	3.37			2.50	3.20				
36.117	77.044			-2.65	-2.15	57	2			-4	24	2.88			2.45	3.05				
36.185	76.997			-2.69	-2.16	58	1			-5	23	2.90			2.45	2.95				
36.252	76.949			-2.77	-2.30	57	1			-4	23	2.73			2.37	2.90				
36.332	76.895			-2.81	-2.38	58	-1			-6	22	3.00			2.15	2.90				
36.390	76.833			-2.67	-2.29	57	-1			-5	22	2.90			2.15	2.63				
36.443	76.763			-3.10	-2.75	58	-2			-6	21	2.77			1.85	2.57				
36.497	76.692			-3.36	-2.73	58	-2			-6	21	2.50			1.90	2.70				
36.554	76.626			-3.36	-2.62	59	-3			-7	20	2.50			1.80	2.83				
36.609	76.558			-3.37	-2.88	58	-3			-6	20	2.50			2.00	2.95				
36.662	76.488			-3.29	-2.78	59	-4			-7	19	2.50			2.05	2.90				
36.706	76.430			-3.47	-2.98	59	-4			-7	19	2.45			1.90	2.50				
36.770	76.350			-3.67	-2.91	59	-4			-7	18	2.30			1.90	2.50				
36.826	76.284			-4.05	-3.05	59	-4			-8	19	2.45			1.85	2.50				
36.874	76.230			-4.00	-3.13	61	-6			-10	17	2.50			1.70	2.57				
36.951	76.176			-4.12	-3.17	59	-4			-8	18	2.35			1.65	2.77				
37.023	76.152			-3.66	-3.06	59	-4			-8	18	2.20			1.60	2.50				
37.082	76.124			-3.58	-2.80	59	-4			-8	17	2.20			1.60	2.77				
37.164	76.086			-3.64	-2.80	60	-5			-9	17	2.24			1.60	2.84				
37.237	76.052			-3.54	-2.88	60	-4			-9	18	2.20			1.60	2.77				
37.321	76.013			-3.51	-2.97	59	-3			-8	18	2.20			1.65	2.77				
37.388	75.967			-3.04	-2.50	59	-3			-8	18	2.20			1.60	2.57				
37.453	75.914			-2.94	-2.37	59	-3			-8	17	2.20			1.50	2.70				
37.518	75.862			-2.94	-2.41	60	-4			-9	16	2.20			1.30	2.57				
37.584	75.808			-2.71	-2.35	60	-4			-9	16	2.40			1.40	2.50				

SUMMER 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
37.648	75.756			-2.84	-2.15	60	-4			-9	15	2.30			1.30	2.50				
37.714	75.705			-2.93	-2.29	61	-5			-10	14	2.40			1.30	2.45				
37.779	75.656			-3.00	-2.13	61	-6			-10	14	2.50			1.30	2.50				
37.848	75.608			-3.42	-2.41	60	-5			-10	14	2.50			1.30	2.50				
37.922	75.557					60				-10	14				1.30	2.45				
37.994	75.506					60				-10	14				1.30	2.50				
38.054	75.461					60				-11	14				1.45	2.45				
38.135	75.402					59				-10	14				1.60	2.50				
38.203	75.352					59				-10	13				1.50	2.87				
38.279	75.298					58				-10	15				1.70	3.20				
38.361	75.242					59				-11	14				1.86	3 03				
38.455	75.177					59				-11	14				1.90	2.90				
38.530	75.125					59				-11	15				1.75	2.90				
38.604	75.074					58				-11	14				1.65	2.90				
38.684	75.032					60				-13	12				1.60	2.90				
38.763	74.992					58				-11	14				1.60	2.90				
38.840	74.953					59				-13	13				1.60	2.90				
38.917	74.902					60				-13	12				1.81	2.90				
38.990	74.855					60				-13	12				1.90	2.90				
39.072	74.803					60				-12	12				1.90	2.90				
39.131	74.765					59				-13	12				1.90	2.90				
39.190	74.729					59				-13	12				1.90	2.90				
39.263	74.677					58				-13	13				1.90	3.00				
39.307	74.606					59				-14	12				1.90	2.83				
39.352	74.556					59				-14	11				1.90	2.46				
39.405	74.534					60				-14	10				1.90	2.15				

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SUMMER 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
39.447	74.433		-.94			60	-9		13				1.90		2.10						
39.495	74.397		-.84			58	-7		14				1.90		2.50						
39.546	74.193		-.51			60	-9		12				2.00		2.20						
39.566	74.110		.61			62	-11		10				2.20		2.20						
39.625	73.957		-.95			61	-11		13				1.90		2.20						
39.730	73.709		-1.00			60	-12		13				1.50		2.90						
39.775	73.592		-.93			60	-12		13				1.30		2.35						
39.840	73.572		-.59			61	-13		12				1.20		2.00						
39.912	73.555		.55			62	-13		12				1.00		2.20						
40.184	73.227		-.74			62	-12		11				1.60		2.80						
40.267	73.119		-1.84			63	-12		10				1.90		2.50						
40.342	73.023		-.98			62	-12		11				1.75		2.50						
40.371	72.988		-1.38			62	-12		11				1.90		2.50						
40.471	72.850		-1.16			63	-13		10				1.60		2.70						
44.954	74.568		-.14			57	-7		16				1.00		1.00						
44.833	74.678		-.65			56	-6		18				.80		1.20						
44.734	74.567		-.84			56	-6		16				1.00		.70						
44.616	74.453		.01			55	-8		16				.70		.40						
44.536	74.372		-.66			55	-9		18				.70		.70						
44.436	74.257		-.44			56	-11		16				.70		.55						
44.399	74.217		-.68			55	-10		16				.70		.40						
44.297	74.218		-1.00			57	-13		14				1.00		.40						
44.278	74.263		-.88			58	-14		14				1.00		.40						
44.100	74.401		-1.15			57	-12		17				.70		.60						
44.028	74.446		-1.51			57	-11		17				.70		.70						
43.803	74.593		-1.64			60	-13		18				.70		.80						
43.735	74.647		1.71			60	-12		18				.70		.70						
43.660	74.718		-1.35			63	-15		17				1.00		1.60						
43.555	74.813		-1.49			66	-16		16				1.30		2.00						
43.481	74.848		-1.55			64	-14		18				1.30		1.90						
43.395	74.896		-.55			65	-13		19				1.30		1.90						
43.279	74.981		-1.63			66	-13		18				1.30		2.20						
43.198	75.041		-.85			66	-12		19				1.70		2.20						
43.129	75.091		-2.06			66	-12		19				1.90		2.20						
43.024	75.190		-.84			68	-14		18				1.70		1.90						
43.035	75.337		-1.89			67	-13		19				1.75		1.90						
43.040	75.437		-1.88			67	-13		20				1.45		1.90						
43.046	75.536		-1.83			67	-12		22				1.15		1.90						
43.093	75.812		-.27			70 b	-15 b		20 b				1.15		2.05						
43.134	76.023		-1.68			71	-15		20				1.15		2.20						
43.162	76.285		-.31			70	-14		23				1.00		1.90						
43.146	76.452		-1.75			70	-14		25				1.00		2.20						
43.134	76.602		-1.70			71	-15		25				1.30		2.20						
43.134	76.702		-2.01			71	-15		26				1.15		2.50						
43.140	76.970		-1.71			73	-16		24				1.00		2.40						
43.138	77.072		-2.09			76	-19		20				1.00		2.50						
43.130	77.370		-2.10			74	-16		21				1.45		2.20						
43.126	77.645		-1.97			73	-14		20				1.30		2.20						
43.084	77.901		-2.20			74	-15		17				1.15		1.90						

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SUMMER 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
43.040	78.066		-2.23			73 b	-14 b		17			1.00		2.30						
43.019	78.207		-2.32			73	-14		16			1.00		2.20						
43.018	78.294		.75			72	-12		17			1.00		2.20						
43.041	78.416		1.09			69	-9		19			1.15		2.20						
43.054	78.455		-.21			69	-8		19			1.15		2.20						
43.077	78.546		2.50			67	-6		20			1.10		2.10						
43.029	78.608		2.95			66	-4		22			1.30		1.90						

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SUMMER 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
44.483	80.896																		
44.544	80.910																		
44.632	80.967																		
44.696	81.044																		
44.740	81.105																		
44.799	81.193																		
44.855	81.281																		
44.903	81.358																		
44.946	81.441																		
44.990	81.526																		
45.056	81.653																		
45.080	81.694																		
45.149	81.795																		
45.174	81.911																		
45.200	81.992			.52															
46.438	85.128		.89	-.31		50	12		13	4		2.10		2.05	-.60				
46.441	85.236		.57	.00		51	12		12	3		2.15		2.50	-.35				
46.445	85.344		.14	.30		50	13		14	5		2.20		2.50	-.10				
46.448	85.452		1.03	.28		52	11		12	3		1.90		2.50	.27				
46.450	85.561		1.26	.20		53	11		11	3		2.05		2.83	-.30				
46.453	85.669		1.49	.25		51	11		12	4		1.50		2.50	-.30				
46.451	85.778		.94	.27		50	13		13	6		1.35		2.30	-.20				
46.449	85.887		1.65	.63		50	13		12	7		1.50		2.05	.25				
46.447	85.996		1.70	.43		50	14		12	8		1.55		2.10	.33				
46.449	86.105		1.79	.70		53	10		9	4		1.60		2.30	.03			1.47	1.09
46.452	86.214		1.80	.68		51	12		11	7		1.50		2.20	-.20			1.51	.79
46.455	86.323		1.35	.94		51	12		11	7		1.65		2.15	-.05			1.27	.64
46.472	86.429		1.69	.98		50	12		11	8		2.10		2.50	-.20			1.43	1.14
46.498	86.531		1.32	.85		50	12		11	8		1.50		2.25	.27			1.25	.83
46.507	86.639		1.54	1.15		50	12		11	9		1.30		2.20	.33			1.35	1.18
46.515	86.748		1.20	1.44		54	8		6	5		1.35		2.15	.40			1.39	1.34
46.523	86.857		1.46	1.32		51	11		9	9		1.55		2.10	.60			1.23	1.46
46.535	86.966		1.28	2.09		54	8		6	6		1.45		2.20	.70			1.27	1.80
46.555	87.071		1.41	1.24		51	11		9	9		1.60		2.20	.80			1.27	1.49
46.594	87.167		1.38	1.44		52	10		7	8		2.00		2.25	.90			1.31	1.70
46.626	87.261		1.21	1.25		52	10		8	8		1.40		2.20	.70			1.23	1.19
46.629	87.372		1.53	1.24		51	10		8	7		1.45		2.25	.37			1.53	1.09
46.662	87.470		1.69	1.40		49	10		10	9		1.45		2.40	-.08			1.64	1.09
46.661	87.580		1.53	.42		51	9		9	9		.85		2.20	.08			1.43	.19
46.647	87.687		1.47	.64		52	8		6	8		1.35		2.15	.32			1.94	.79
46.624	87.799		2.13	1.17		50	11		8	10		1.45		1.95	.20			1.52	1.20
46.598	87.904		1.94	1.05		50	10		8	10		1.40		2.20	.15			1.72	.82
46.568	88.010		1.62	1.27		50	10		8	11		1.25		2.20	.40			1.54	1.17
46.548	88.121		1.66	1.92		49	11		8	13		1.40		2.50	.27			1.45	1.72
46.543	88.236		1.25	2.09		49	11		6	14		1.60		2.35	.55			1.43	1.86
46.536	88.351		.89	1.79		49	11		5	15		1.60		2.00	.85			1.24	1.67
46.539	88.467		1.15	1.54		49	12		6	15		1.75		1.65	1.05			.98	1.60
46.542	88.583		.65	1.20		50	11		6	15		1.85		2.00	.85			.53	1.28
46.544	88.699		.32	1.98		50	11		6	15		1.40		2.35	.80			.55	1.20

SUMMER 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
46.546	88.814		.37	.96		49	11		6	17		1.40		2.35	.90			.44	1.07	
46.541	88.929		.60	.97		49	10		6	17		1.25		2.35	.95			.40	1.07	
46.535	89.042		.21	.42		50	9		4	16		1.35		2.20	1.00			.34	.90	
46.530	89.156		.10	1.30		49	10		5	17		1.35		2.20	.85			.51	.98	
46.524	89.270		.22	.95		49	10		4	17		1.30		1.95	1.00			.36	.57	
46.517	89.383		.01	.48		48	11		5	19		1.50		1.60	1.00			.33	.48	
46.514	89.496		.17	.22		47	12		6	20		1.35		1.25	1.00			.54	.55	
46.510	89.609		.50	.77		47	12		6	20		1.40		1.45	1.00			.41	.78	
46.508	89.720		.53	.92		48	10		4	20		1.20		1.70	1.00			.53	.61	
46.509	89.833		.50	.86		49	11		4	20		1.65		1.85	1.00			.34	.76	
46.509	89.944		.37	.79		48	12		4	21		1.84		1.48	1.00			.51	.66	
46.524	90.056		.57	1.43		48	11		3	21		1.70		1.55	1.10			.73	.78	
46.535	90.167		.78	.40		48	12		4	23		1.50		1.60	1.30			.78	.44	
46.548	90.278		.95	.74		48	10		3	22		1.50		1.45	1.30			1.03	.36	
46.561	90.387		1.28	.33		48	10		3	22		1.15		1.75	1.25			1.17	.29	
46.574	90.497		.93	.45		48	10		2	22		1.40		1.60	1.25			.95	.21	
46.582	90.609		.99	.21		48	10		2	22		1.05		1.55	1.15			1.04	.31	
46.589	90.721		.84	-.12		48	10		2	22		1.40		1.10	1.00			1.11	.20	
46.595	90.834		1.32	-.11		50	9		0	20		1.30		1.20	1.00			1.18	-.05	
46.600	90.947		1.20	.13		49	10		1	21		1.10		1.60	1.00			1.29	-.05	
46.606	91.060		1.20	-.07		48	11		2	23		1.60		1.60	1.00			1.27	-.11	
46.616	91.173		1.51	-.10		50	10		1	22		1.90		1.85	1.00			1.60	-.23	
46.629	91.290		1.26	.31		49	10		1	25		1.60		1.75	1.35			1.30	-.14	
46.645	91.409		.99	-.37		48	10		0	26		1.55		1.55	1.45			1.36	-.16	
46.662	91.531		.97	-1.44		48	10		0	27		1.45		1.30	1.30			1.17	-1.15	
46.675	91.610		1.15			48	10		1	27		1.60		1.30	1.30			1.22		
46.718	91.784		1.38	-.81		48	11		2	27		1.90		1.60	1.30			1.29	-.07	

SUMMER 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
46.905	92.361																	1.68	-2.30	
46.908	92.450																	1.39	-2.54	
46.917	92.535																	1.33	-2.11	
46.936	92.618																	1.21	-2.08	
46.965	92.695																	1.03	-2.31	
46.987	92.788			-2.13		51	7			29		2.35			1.30			1.11	-2.06	
47.000	92.856			-2.47		51	6			28		2.42			1.35			1.11	-2.03	
47.017	92.940			-1.50		51	6			28		2.35			1.45			1.37	-1.70	
47.036	93.024			-1.96		51	5			28		2.20			1.45			1.49	-1.69	
47.059	93.110		1.16	-1.68		52	4		-6	27		2.30		-1.38	1.30			1.45	-1.86	
47.084	93.205		1.34	-2.17		52	4		-7	28		2.35		-1.55	1.30			1.52	-1.82	
47.109	93.307		1.36	-1.59		52	5		-7	29		2.15		-1.80	1.30			1.53	-1.68	
47.134	93.412		1.46	-1.47		51	5		-6	29		1.66		-1.80	1.30			1.65	-1.80	
47.161	93.515		1.49	-1.71		51	6		-6	31		1.55		-2.00	1.30			1.63	-1.89	
47.189	93.620		1.54	-1.48		51	6		-6	31		1.95		-2.23	1.30			1.70	-1.77	
47.221	93.721		1.77	-1.79		51	5		-6	31		2.20		-2.50	1.30			1.79	-1.63	
47.252	93.822		1.63	-1.93		52	4		-8	30		2.10		-2.75	1.30			1.83	-1.69	
47.282	93.924		1.76	-1.22		52	3		-8	30		2.05		-2.80	1.30			1.96	-1.62	
47.318	94.045		1.72	-1.31		52	4		-8	30		2.20		-2.75	1.30			2.00	-1.51	
47.344	94.130		1.70	-1.78		53	3		-9	30		2.10		-2.60	1.20			2.01	-1.44	
47.372	94.235		1.58	-1.92		54	2		-10	29		2.05		-2.80	1 30			1.95	-1.67	
47.386	94.346		1.61	-1.15		56	-1		-12	27		1.80		-2.85	1.40			2.20	-1.53	
47.398	94.458		1.99	-1.20		56	-1		-13	27		1.45		-3.10	1.30			2.31	-1.60	
47.415	94.570		2.04	-.91		54	1		-11	29		1.60		-3.20	1.00			2.53	-1.46	
47.452	94.667		2.74	-1.70		53	2		-10	31		1.95		-3.30	.90			2.61	-1.65	
47.502	94.756		2.23	-1.44		52	3		-9	32		2.10		-3.50	1.15			2.55	-1.65	
47.539	94.856		1.79	-1.76		51	4		-8	33		2.20		-3.55	1.45			2.45	-1.61	
47.558	94.968			-1.16		51	3			33		2.20			1.35			2.59	-1.69	
47.579	95.079			-1.66		51	3			33		2.30			1.30			2.58	-1.53	
47.594	95.191			-1.35		52	2			32		2.50			1.30			2.59	-1.88	
47.614	95.301			-2.06		51	3			33		2.66			1.30			2.39	-2.13	
47.639	95.410			-2.22		52	2			32		2.57			1.30			2.47	-2.19	
47.661	95.518			-2.19		51	3			33		2.50			1.30			2.62	-2.38	
47.685	95.627			-1.91		52	2			32		2.50			1.30			2.98	-1.90	
47.707	95.738			-1.64		52	2			32		2.45			1.30			2.88	-2.05	
47.728	95.847			-1.87		52	2			31		2.45			1.30			3.01	-1.84	
47.736	95.959			-2.21		52	2			31		2.50			1.30			2.90	-2.22	
47.743	96.075			-2.15		51	2			32		2.50			1.35			2.92	-2.39	
47.758	96.184			-2.02		52	1			31		2.50			1.30			2.95	-2.20	
47.771	96.296			-2.26		52	1			31		2.50			1.30			3.01	-2.14	
47.784	96.409			-2.80		52	1			30		2.40			1.30			2.44	-3.33	
47.799	96.519			-3.17		52	1			30		2.50			1.30			2.54	-3.35	
47.820	96.628			-2.43		52	1			30		2.30			1.30			2.87	-2.66	
47.845	96.734			-3.13		51	2			30		2.30			1.30			2.68	-3.38	
47.875	96.837			-3.03		52	2			30		2.25			1.30			2.84	-3.22	
47.907	96.943			-3.16		52	1			29		2.05			1.30			2.74	-3.27	
47.934	97.049			-3.24		52	2			30		2.05			1.40			2.60	-3.26	
47.945	97.162			-3.27		53	0			27		2.00			1.60			2.82	-3.23	
47.947	97.277			-3.21		52	1			28		2.15			1.60			2.83	-3.30	

SUMMER 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
47.957	97.391			-2.81		52	2			29		2.15			1.40			3.15	-3.14	
47.972	97.502			-2.77		53	-1			27		2.05			1.45			3.13	-2.91	
47.983	97.614			-3.03		52	0			27		2.20			1.30			3.04	-3.27	
47.994	97.727			-3.42		52	1			28		2.40			1.30			2.90	-3.30	
47.998	97.838			-3.24		52	0			26		2.30			1.30			3.18	-3.18	
48.002	97.952			-2.89		52	0			26		2.20			1.30			3.32	-2.95	
48.009	98.064			-2.53		52	1			26		2.20			1.30			3.41	-2.74	
48.019	98.176			-2.63		51	1			27		2.35			1.30			3.53	-2.70	
48.027	98.290			-3.58		51	1			26		2.45			1.30			3.03	-3.55	
48.043	98.401			-3.45		52	1			26		2.20			1.30			3.18	-3.25	
48.054	98.513			-3.20		52	1			26		2.35			1.30			3.17	-3.53	
48.069	98.624			-3.40		52	0			25		2.50			1.30			3.21	-3.48	
48.087	98.735			-3.00		52	-1			24		2.50			1.30			3.19	-3.42	
48.104	98.846			-3.26		52	-1			24		2.50			1.30			3.36	-3.31	
48.116	98.956			-2.56		52	-1			24		2.25			1.50			3.70	-2.74	
48.123	99.064			-2.60		51	-0			24		2.10			1.50			3.78	-2.59	
48.130	99.185			-2.31		51	0			24		2.15			1.30			4.10	-2.52	
48.143	99.299			-2.20		50	1			24		1.95			1.30			4.22	-2.42	
48.151	99.405			-2.33		51	-0			23		1.90			1.40			4.38	-2.43	
48.159	99.520			-2.82		52	-1			23		1.85			1.25			4.25	-2.84	
48.167	99.632			-2.86		52	-1			23		1.90			1.00			3.82	-2.93	
48.178	99.746			-2.20		51	0			24		1.90			1.00			4.74	-2.00	
48.183	99.859			-1.74		51	0			23		1.70			1.05			4.68	-1.86	
48.189	99.975			-1.93		51	0			23		1.75			1.05			4.69	-2.05	
48.195	100.091			-2.01		51	0			22		1.90			1.00			4.52	-2.04	
48.201	100.205			-2.07		51	-0			22		1.90			1.00			4.62	-2.16	
48.206	100.318			-2.28		53	-3			20		1.90			1.00					
48.212	100.431			-2.36		51	-1			22		1.70			1.00			4.25	-2.46	
48.217	100.546			-2.34		52	-2			20		1.90			1.00					
48.222	100.660			-2.45		53	-3			20		1.75			1.00					
48.222	100.774			-2.44		53	-4			19		1.60			1.00			4.42	-2.22	
48.228	100.887			-2.24		53	-4			18		1.35			1.00			4.18	-2.31	
48.232	101.001			-1.96		52	-3			19		1.30			1.00					
48.235	101.115			-1.83		52	-3			19		1.50			1.15					
48.244	101.228			-1.53		53	-4			18		1.60			1.00					
48.252	101.342			-1.73		52	-3			19		1.60			1.00			4.78		
48.220	101.931																	4.97	-1.96	
48.215	102.045			-1.33														5.27	-1.72	
48.213	102.217			-1.36		52	-5			17		1.30			1.00			5.22	-1.65	
48.216	102.332			-1.47		53	-6			16		1.30			1.00					
48.219	102.447			-1.49		53	-6			16		1.30			1.00					
48.224	102.560			-1.65		53	-6			15		1.50			1.00					
48.232	102.674			-1.43		55	-8			14		1.60			.95					
48.239	102.787			-1.54		54	-7			14		1.60			.95					
48.247	102.902			-1.58		54	-7			13		1.60			.90					
48.253	103.013			-1.88		54	-7			13		1.60			.80					
48.259	103.127			-1.91		52	-5			15		1.60			1.00					
48.260	103.241			-1.88		53	-6			14		1.60			1.00					
48.253	103.588			-2.13		54	-8			12		1.60			.94					

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SUMMER 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
48.246	103.704			-1.76		53	-7			13		1.60			.90					
48.144	105.238			-1.07		55	-11			8		1.84			.94					
48.139	105.315			-.68		55	-11			8		1.90			1.30					
48.126	105.566			-.63		55	-12			8		1.65			1.05					
48.133	105.682			-.85		55	-12			8		1.60			1.20					
48.139	105.780			-.85		55	-12			7		1.60			1.66					
48.149	105.915			-.82		54	-12			8		1.60			1.50					
48.175	106.242			-.57		52	-10			10		1.60			1.60					
48.218	106.424			-2.26		55	-13			6		1.60			1.70					
48.223	106.442			-.57		55	-13			6		1.60			1.00					
48.301	107.599			-.56		53	-12			6		1.65			1.50					
48.307	107.676			-.63		53	-13			6		1.90			1.68					
48.323	107.829			-.64		54	-14			5		1.90			1.24					
48.335	107.944			-.92		53	-13			6		1.90			1.30					
48.347	108.058			-1.05		53	-13			5		1.90			1.50					
48.360	108.172			-.84		53	-13			5		1.90			1.42					
48.381	108.306			.16		53	-13			6		1.90			1.45					
48.396	108.382			.26		52	-12			6		1.90			1.75					
48.467	108.936			-.30		52	-13			5		1.90			1.50					
48.485	109.051			-.43		52	-13			5		1.90			1.60					
48.493	109.105			-.57		52	-13			5		1.90			1.30					
48.527	109.289			-.58		52	-13			5		1.90			1.10					
48.546	109.502																			

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SUMMER 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
43.465	84.027					55			17	1				1.95	2.20			2.54	2.72	
43.446	83.941		.84	2.55		55	18		17	2		1.30		2.30	2.00			1.70	2.65	
43.408	83.870		1.79	2.36		54	18		18	2		1.55		2.50	1.60			1.18	2.36	
43.357	83.791		1.52	2.46		55	17		17	1		1.85		2.45	1.70			1.53	2.31	
43.307	83.719		.92	2.49		55	17		17	1		1.90		2.50	1.45			1.04	2.21	
43.261	83.648		1.77	1.96		55	17		17	-0		1.95		2.50	1.65			1.70	1.81	
43.216	83.579		1.55	1.80		55	17		18	-0		2.00		2.50	1.35			1.62	1.71	
43.171	83.509		1.69	1.60		56	16		17	-1		1.95		2.50	1.60			1.46	1.55	
43.125	83.439		1.55	1.36		57	15		16	-2		1.90		2.50	1.50			1.11	1.42	
43.077	83.377		.58	1.25		57	14		16	-3		1.70		2.70	1.50			.70	1.35	
43.017	83.338		1.42	1.75		56	15		17	-2		1.60		2.63	1.40			.49	1.29	
42.956	83.299		.42	1.37		55	16		18	-1		1.85		2.50	1.35			.32	1.50	
42.898	83.261		1.63	2.36		57	14		16	-3		1.90		2.50	1.55			1.03	1.93	
42.833	83.226		1.16	1.83		56	15		17	-2		1.65		2.50	1.40			.75	1.64	
42.770	83.190		.79	1.93		57	15		18	-3		1.75		2.50	1.30			.28	1.81	
42.705	83.151		.62	1.93		57	15		18	-4		1.85		2.50	1.30			.63	1.76	
42.642	83.107		1.33	1.98		57	14		17	-5		1.85		2.50	1.25			.95	1.83	
42.576	83.058		1.43	1.76		57	15		18	-5		1.70		2.50	1.50			1.35	1.87	
42.506	83.009		1.15	1.88		57	15		17	-5		1.60		2.50	1.30			.98	1.99	
42.434	82.958		1.99	1.70		57	15		17	-5		1.80		2.50	1.25			1.11	1.93	
42.365	82.903		2.00	1.78		58	15		17	-6		2.05		2.40	1.00			1.20	1.92	
42.299	82.841		1.31	2.03		56	16		18	-5		1.90		2.58	1.10			1.43	2.20	
42.225	82.804		2.02	2.21		55	17		20	-4		1.65		2.90	.95			1.22	2.17	
42.153	82.758		1.61	1.86		57	15		18	-6		1.90		2.50	1.00			1.44	2.17	
42.069	82.706		2.10	1.80		57	15		18	-5		1.84		2.50	.82			1.53	2.11	
42.009	82.669		1.33	2.08		57	15		18	-6		1.70		2.50	1.15			1.83	2.14	
41.936	82.625		1.41	1.75		57	15		18	-6		1.60		2.50	1.25			1.23	1.86	
41.864	82.581		.88	2.08		57	15		18	-6		1.60		2.50	.75			2.40	-5.69	
41.782	82.524		.91	2.05		57	15		18	-6		1.75		2.50	.70					
41.725	82.478		1.16	1.76		58	15		18	-7		1.65		2.83	.70					
41.656	82.425		.89	1.24		57	16		19	-6		1.60		2.77	1.00					
41.585	82.373		1.02	1.55		58	15		18	-7		1.60		2.77	1.25					
41.516	82.320		1.20	1.47		57	15		18	-6		1.80		2.70	1.25					
41.460	82.246		1.26	1.68		57	15		18	-7		1.90		2.57	1.50					
41.395	82.186		2.04	1.64		58	14		17	-8		1.60		3.10	1.30					
41.349	82.104		3.02	1.81		57	15		19	-7		2.00		2.47	.90					
41.329	81.999		1.33	1.88		58	13		17	-8		1.80		2.57	.55					
41.303	81.899		.93	1.34		57	14		18	-8		1.60		2.50	.55					
41.275	81.779		1.40	2.29		57	-1	j	19	-8		1.70		2.50	.50					
41.247	81.677		j	j		56		↓	19	-7		j		2.50	.45					
41.222	81.579		↓	↓		56		↓	19	-7		↓		2.50	.20					
41.192	81.474		1.24	1.74		57	14		19	-9		1.60		2.90	.07					
41.166	81.376		1.50	2.47		57	13		19	-9		1.60		2.90	-.10					
41.140	81.274		1.77	2.54		57	14		20	-9		1.75		2.90	0.00					
41.113	81.174		1.97	2.41		56	14		20	-9		1.60		2.90	-.15					
41.090	81.067		3.10	2.60		56	14		20	-9		1.70		2.70	-.05					
41.098	80.961		2.85	2.90		56	13		20	-9		1.90		2.50	-.30					
41.107	80.854		2.97	2.71		56	14		21	-9		1.70		2.63	-.30					
41.110	80.747		2.63	2.80		56	13		20	-10		1.60		2.83	-.20					

SUMMER 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
41.115	80.640		2.74	2.77		56	13		20	-9		1.60		2.83	-.30					
41.119	80.532		2.64	2.77		55	14		21	-8		1.65		2.50	-.30					
41.123	80.424		3.22	2.92		56	12		20	-9		1.80		2.50	-.35					
41.129	80.317		3.14	2.78		55	13		21	-9		1.60		2.50	-.60					
41.133	80.209		3.11	2.88		55	13		21	-9		1.60		2.50	-.60					
41.134	80.102		2.79	2.48		56	12		21	-10		1.75		2.50	-.55					
41.138	79.994		1.88	2.49		54	13		23	-9		1.90		2.50	-.50					
41.138	79.886		1.96	2.15		55	13		23	-10		1.90		2.50	-.60					
41.138	79.779		1.84	2.49		56	11		22	-11		2.00		2.50	-.75					
41.139	79.671		1.62	2.59		55	11		23	-11		1.85		2.45	-.85					
41.139	79.563		1.61	2.54		56	10		22	-12		1.75		2.20	-.90					
41.123	79.464		.56	2.21		55	10		23	-11		1.60		2.65	-.90					
41.049	79.447		.20	2.42		55	10		23	-12		1.55		2.90	-1.00					
40.973	79.435		-.02	2.17		55	10		23	-12		1.70		2.50	-1.00					
40.897	79.426		-.02			56	10		23			1.85		2.57						
40.822	79.416		.19			57	8		21			1.90		2.83						
40.746	79.408		.12			57	8		21			1.90		2.35						
40.670	79.400		-.38			56	10		22			2.00		2.25						
40.595	79.393		-.26			55	11		23			2.20		2.83						
40.518	79.385		.08			55	10		22			2.20		2.57						
40.443	79.377		-.10			54	11		22			2.20		2.30						
40.368	79.374		.02			54	12		22			2.10		2.20						
40.292	79.371		.16			54	12		22			2.15		2.20						
40.217	79.368		.32			55	11		20			2.20		2.35						
40.142	79.362		.38			53	13		22			2.15		2.20						
40.066	79.360		.05			55	10		19			2.10		2.15						
39.990	79.354		1.02			54	11		19			1.90		2.20						
39.925	79.392		.52			55	11		19			1.70		2.20						
39.869	79.452		.85			55	11		18			2.15		2.20						
39.812	79.513		.72			56	9		17			2.14		2.26						
39.760	79.580		.56			54	12		18			2.05		2.00						
39.710	79.652		.57			55	11		17			2.20		1.80						
39.663	79.720		1.35			54	12		17			2.05		1.45						
39.612	79.789		.32			55	10		15			2.20		1.20						
39.554	79.856		.06			55	10		15			2.20		1.15						
39.486	79.897		1.14			55	10		14			2.25		.85						
39.411	79.917		.85			54	12		16			2.20		1.05						
39.339	79.941		1.32			54	12		16			2.10		1.50						
39.266	79.970		1.17			54	13		17			2.15		1.90						
39.193	79.998		.72			55	11		16			2.20		2.30						
38.881	80.195		1.57			54	12		15			2.05		2.30						
38.874	80.303		.79			55	12		15			2.10		2.35						
38.867	80.381		1.62			54	12		15			1.90		2.20						
38.862	80.474		1.13			55	11		14			1.90		2.20						
38.856	80.567		.94			54	13		16			1.90		2.15						
38.850	80.659		.74			54	13		15			2.00		2.10						
38.840	80.750		.92			54	13		15			2.20		2.00						
38.834	80.844		.23			54	13		15			2.00		2.20						
38.826	80.935		1.14			55	13		14			1.90		2.20						

SUMMER 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
38.819	81.029		.53			54	14		15			1.95		2.25						
38.806	81.120		.81			53	16		16			2.00		2.30						
38.795	81.212		.76			55	15		15			2.10		2.35						
38.786	81.303		.73			54	15		15			2.00		2.50						
38.778	81.396		.87			54	15		15			2.00		2.47						
38.771	81.488		1.00			54	16		14			1.90		2.20						
38.764	81.582		.74			55	15		14			1.90		2.50						
38.757	81.674		.89			55	16		15			1.90		2.70						
38.749	81.767		.95			55	15		14			2.05		2.90						
38.742	81.860		1.03			54	16		15			1.95		2.90						
38.739	81.954		1.02			56	15		13			2.15		2.90						
38.733	82.047		1.03			55	16		14			2.20		2.90						
38.725	82.139		1.13			56	15		13			2.20		2.90						
38.713	82.232		1.11			54	17		15			2.10		2.90						
38.700	82.324		.69			55	17		15			2.15		2.90						
38.688	82.416		.75			55	16		14			2.05		2.90						
38.676	82.507		1.23			56	15		13			2.15		2.90						
38.665	82.599	4.85	1.32			56	17	-3	13			2.15	-.72	2.90						
38.654	82.690	4.80	1.53			56	16	-4	12			2.20	.13	2.90						
38.643	82.782	4.97	1.67			54	18	-2	14			2.20	.40	2.90						
38.632	82.875	4.46	1.44			54	18	-2	13			1.80	.40	2.77						
38.630	82.967	4.80	.89			54	19	-2	14			1.60	.40	2.50						
38.627	83.062	5.09	1.58			54	19	-2	13			1.65	.05	2.70						
38.627	83.152	4.74	1.55			54	19	-1	13			1.75	-.60	2.70						
38.624	83.245	5.29	2.35			55	19	-2	11			1.90	-.60	2.45						
38.623	83.337	4.82	2.19			55	19	-2	10			2.10	-.60	2.25						
38.621	83.430	4.89	2.54			55	19	-1	11			2.15	-.50	2.35						
38.620	83.523	4.59	2.15			54	21	2	12			2.20	-.30	2.50						
38.618	83.617	4.84	2.75			56	20	1	10			2.20	.33	2.63						
38.618	83.711	4.42	2.26			54	21	3	11			2.20	.82	2.58						
38.617	83.806	4.42	2.83			58	18	-1	8			2.20	1.00	2.90						
38.616	83.900	4.91	2.16			57	19	1	9			2.20	.85	2.90						
38.616	83.995	4.54	2.80			57	20	2	9			2.20	1.15	2.90						
38.615	84.089	4.22	2.61			56	21	3	10			2.20	.90	2.90						
38.616	84.183	3.84	2.79			55	22	4	11			2.20	.90	2.77						
38.616	84.279	3.94	2.54			56	22	3	9			2.20	1.10	2.50						
38.618	84.376	3.30	1.66			55	23	4	10			2.20	1.25	2.50						
38.633	84.467	3.71	1.40			55	23	4	10			2.45	1.50	2.35						
38.627	84.559	4.02	2.31			56	22	4	9			2.50	1.20	2.52						

SUMMER 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
38.794	90.386	2.89	2.50	2.29		60	20	1	-2	-2		1.60	2.20	1.80	.60			2.48	2.27	
38.843	90.388	3.14	2.45	2.71		60	20	1	-2	-3		1.78	1.96	1.84	.64			2.44	2.59	
38.894	90.397	3.47	2.39	2.92		61	20	1	-3	-4		1.90	1.95	2.10	.60			2.45	3.10	
38.947	90.405	3.21	2.77	3.37		61	19	1	-3	-4		1.90	2.15	2.15	.95			2.40	3.11	
39.006	90.413	3.44	2.42	3.29		60	18	-1	-4	-4		1.75	2.05	1.95	.60			2.40	3.14	
39.064	90.419	3.54	2.42	3.35		58	20	0	-2	-2		2.10	2.20	1.90	.95			2.38	3.28	
39.118	90.431	3.57	2.33	3.40		59	20	-1	-3	-3		2.20	2.30	2.05	1.40			2.36	3.31	
39.158	90.487	4.05	2.24	3.53		59	19	-1	-4	-3		2.15	2.45	1.95	1.50			2.40	3.92	
39.196	90.542	4.18	2.30	3.75		61	16	-4	-6	-6		1.75	2.05	1.75	1.45			2.39	3.54	
39.236	90.602	4.28	2.27	3.85		60	17	-3	-5	-4		1.60	2.40	1.90	1.35			2.36	3.76	
39.278	90.661	4.55	2.34	3.68		58	19	-1	-4	-2		1.60	2.20	1.90	1.45			2.34	3.45	
39.318	90.721	4.17	2.32	3.07		59	18	-2	-4	-3		1.75	2.00	2.00	1.30			2.31	3.21	
39.358	90.783	4.02	2.30	3.96		58	18	-1	-4	-2		1.50	2.20	2.20	1.35			2.34	3.37	
39.398	90.847	4.30	2.27	3.34		59	19	-2	-4	-2		1.30	2.20	2.20	1.40			2.35	3.50	
39.442	90.900	3.58	2.46	3.58		57	19	-0	-3	-1		1.05	1.95	2.00	1.15			2.29	3.36	
39.492	90.952	4.01	2.26	3.41		59	17	-2	-5	-3		1.05	2.00	1.75	.95			2.19	3.16	
39.546	91.009	3.94	2.12	3.22		60	16	-3	-6	-3		1.35	2.00	1.90	.90			2.23	3.07	
39.603	91.068	3.84	2.27	3.21		59	17	-3	-5	-2		1.30	2.15	1.85	.65			2.26	2.98	
39.664	91.109	3.53	2.50	2.96		59	17	-3	-5	-2		1.05	1.85	1.30	.45			2.25	2.89	
39.736	91.139	4.05	2.19	3.08		59	16	-3	-5	-2		1.24	1.60	1.06	.58			2.31	3.31	
39.787	91.210	4.03	2.42	4.07		58	17	-2	-4	-0		1.45	1.75	1.05	.85			2.23	3.15	
39.830	91.289	4.02	2.26	3.01		62	13	-7	-8	-4		1.40	1.45	1.00	1.05			2.23	3.27	
39.870	91.369	4.10	2.08	2.78		60	16	-5	-6	-2		1.50	1.55	1.40	1.40			2.23	3.07	
39.895	91.459	4.02	2.18	3.13		59	16	-4	-5	-1		1.45	2.00	1.60	1.10			2.24	3.01	
39.912	91.552	4.36	2.01	1.88		58	17	-3	-4	1		1.35	2.15	1.90	.80			2.04	1.73	
39.930	91.650	4.21	2.01	1.55		58	17	-3	-4	0		1.30	1.90	2.10	.90			2.04	1.71	
39.954	91.742	4.13	2.13	1.54		58	17	-3	-4	1		1.45	1.95	2.05	1.00			2.06	1.77	
39.983	91.834	4.04	2.20	2.79		57	17	-2	-3	2		1.35	1.85	2.20	1.00			2.17	2.25	
40.002	91.929	4.43	1.83	2.10		57	16	-4	-5	0		1.00	1.70	1.70	1.00			2.01	1.91	
40.019	92.025	4.33	2.07	2.76		57	15	-3	-5	1		.70	1.35	1.25	.60			2.09	2.07	
40.035	92.122	4.05	2.11	2.28		57	15	-3	-5	1		.70	1.80	1.20	.55			2.14	2.29	
40.050	92.217	4.36	2.11	1.98		58	14	-4	-6	1		.70	1.95	.95	.45			2.08	1.48	
40.073	92.308	4.00	2.16	1.07		57	14	-4	-5	1		.55	1.95	.40	.38			2.06	1.58	
40.097	92.400	4.09	2.09	1.20		58	13	-5	-6	0		.60	1.90	.50	.33			2.07	1.30	
40.122	92.494	4.11	2.19	2.36		56	15	-3	-5	2		.60	1.35	.50	.50			2.10	1.59	
40.146	92.586	4.07	2.16	1.79		54	17	-2	-3	4		.70	1.30	.60	.40			2.13	2.14	
40.168	92.678	3.98	2.12	1.88		56	15	-4	-5	2		.75	1.30	.40	.75			2.07	1.81	
40.193	92.765	4.17	2.06	1.34		55	15	-3	-4	3		.70	1.18	0.00	.46			2.02	1.37	
40.221	92.856	4.18	2.04	1.38		55	15	-3	-5	3		.60	.95	0.00	.55			2.02	1.35	
40.250	92.941	4.14	2.07	1.14		55	15	-3	-4	3		.60	.90	-.15	.50			2.06	1.45	
40.282	93.029	4.04	2.09	1.67		56	14	-4	-5	3		.85	1.20	.27	.22			2.10	1.43	
40.312	93.117	4.21	1.97	1.69		55	15	-4	-5	3		.80	1.25	.70	-.02			2.03	1.48	
40.341	93.207	4.25	1.92	1.23		56	14	-5	-6	3		.75	.75	.65	.55			2.00	1.33	
40.371	93.295	4.07	2.06	1.56		54	15	-3	-4	5		.55	.60	.40	.80			2.11	1.35	
40.402	93.386	4.08	2.21	2.23		55	14	-4	-4	4		.65	.80	.40	.50			2.08	1.34	
40.433	93.475	4.13	2.04	1.51		57	12	-6	-6	2		.80	1.00	.85	.13			2.14	1.66	
40.464	93.565	4.11	2.07	1.21		55	14	-4	-5	4		.75	1.25	1.15	.50			2.13	1.48	
40.497	93.653	3.82	2.15	1.43		55	14	-4	-5	4		.70	1.00	1.05	.45			2.20	1.71	
40.529	93.745	3.27	2.45	2.78		56	12	-6	-6	3		.55	1.20	.70	.27			2.61	3.24	

SUMMER 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
40.555	93.835	3.74	2.20	1.55		56	12	-5	-6	3		.55	1.30	.85	.40			2.25	1.68	
40.584	93.923	3.20	2.47	2.55		56	12	-5	-7	3		.70	1.30	.95	.02			2.57	2.55	
40.614	94.016	3.59	2.57	2.61		56	12	-5	-7	4		.55	1.20	.85	.33			2.36	1.94	
40.638	94.105	4.22	1.97	.61		56	11	-5	-7	4		.45	1.10	.70	.13			1.88	.24	
40.672	94.191	4.18	2.19	.71		56	11	-6	-7	4		.70	1.25	.45	.40			1.90	.07	
40.707	94.275	4.31	1.89	.19		55	12	-5	-6	5		.65	1.30	.45	.40			1.90	.21	
40.740	94.361	4.30	1.74	.13		55	13	-5	-7	6		.65	1.30	.50	.33			1.97	.37	
40.772	94.448	4.19	2.02	.59		54	13	-4	-6	6		.65	1.30	.40	.33			2.01	.45	
40.802	94.537	4.24	1.84	.33		55	11	-5	-7	5		.65	1.10	.40	.20			2.07	.49	
40.830	94.625	4.26	1.94	.24		55	11	-5	-7	5		.50	1.00	.40	.33			2.06	.32	
40.856	94.716	4.21	1.89	.69		54	12	-5	-6	6		.40	1.00	.50	.43			2.07	.44	
40.880	94.807	4.18	1.98	1.07		54	12	-5	-6	6		.45	1.15	.70	.40			2.06	.61	
40.905	94.900	4.09	2.04	.69		54	12	-5	-6	6		.65	1.00	.70	.33			2.10	.45	
40.930	94.991	4.11	2.16	.80		54	11	-5	-6	6		.60	.95	.45	.40			2.10	.57	
40.955	95.082	4.22	2.38	1.50		54	11	-5	-6	6		.50	.90	.65	.45			2.13	.99	
40.980	95.172	4.23	2.14	.86		54	12	-6	-6	7		.50	.95	.80	.20			2.05	.96	
41.013	95.258	4.00	2.38	1.29		54	11	-6	-7	6		.55	.80	.80	.45			2.06	1.04	
41.047	95.344	4.04	2.13	.92		54	11	-6	-7	7		.65	.90	.80	.40			2.07	1.09	
41.080	95.428	4.26	1.97	1.26		54	10	-6	-7	7		.70	1.00	.50	.45			2.07	1.02	
41.106	95.521	4.33	1.84	1.02		54	10	-6	-7	7		.60	.95	.40	.38			2.02	1.17	
41.133	95.612	4.36	1.87	1.06		53	11	-5	-6	8		.75	.95	.40	.33			2.11	1.16	
41.155	95.704	4.14	2.00	1.24		54	11	-6	-7	8		.65	1.00	.40	.45			2.11	1.11	
41.169	95.810	4.38	1.92	.82		54	10	-7	-7	8		.50	1.00	.40	.70			2.10	.47	
41.162	95.892	4.27	1.94	.59		53	10	-6	-7	8		.65	1.25	.40	.40			2.09	.43	
41.156	95.986	4.23	1.99	.29		53	10	-6	-7	8		.65	1.20	.40	.45			2.06	.19	
41.150	96.082	4.36	2.06	.52		53	10	-6	-7	8		.70	.75	.20	.33			2.07	.20	
41.142	96.177	4.21	2.00	.26		53	10	-6	-7	8		.70	.65	.40	.45			2.05	.04	
41.138	96.272	3.91	2.23	.39		53	10	-6	-7	8		.60	.40	.40	.55			2.11	.20	
41.136	96.367	3.94	2.31	.57		53	9	-7	-8	7		.50	.40	.40	.40			2.17	.47	
41.134	96.461	3.77	2.30	.70		53	9	-7	-8	7		.40	.40	.40	.20			2.27	.75	
41.131	96.555	4.05	2.22	.83		53	9	-7	-8	8		.55	.40	.27	.20			2.25	.69	
41.129	96.650	3.86	2.27	.83		53	9	-7	-8	8		.40	.40	0.00	.15			2.23	.70	
41.127	96.744	3.97	2.31	.93		53	9	-7	-8	8		.50	.40	.27	.38			2.25	.76	
41.120	96.837	4.10	2.14	.50		52	10	-6	-7	8		.55	.40	-.10	.70			2.16	.58	
41.114	96.932	4.16	2.02	.45		53	8	-7	-8	7		.45	.40	-.05	.40			2.11	.51	
41.104	97.026	4.04	1.98	.64		54	7	-8	-10	6		.45	.45	0.00	.33			2.15	.54	
41.095	97.121	4.04	2.13	.88		54	7	-8	-10	6		.50	.85	0.00	.27			2.15	.60	
41.084	97.215	4.00	2.15	.75		53	8	-7	-9	7		.40	.85	0.00	.15			2.18	.61	
41.075	97.311	4.01	2.16	.92		53	8	-7	-9	7		.40	.60	.07	.07			2.18	.68	
41.065	97.404	3.81	2.19	.63		52	8	-6	-8	8		.45	.40	.27	.20			2.10	.63	
41.057	97.498	3.66	2.13	.59		53	7	-7	-9	7		.33	.27	.40	.50			2.19	.70	
41.051	97.594	3.65	2.22	.75		52	8	-6	-8	8		.40	.40	.40	.46			2.13	.77	
41.046	97.688	3.68	2.17	1.15		53	8	-7	-10	8		.20	.70	.50	.45			2.15	.78	
41.042	97.782	3.82	2.26	.88		52	8	-6	-9	8		.33	.70	.40	.13			2.20	.81	
41.033	97.876	3.95	2.13	.86		52	8	-7	-9	8		.40	.40	.40	.33			2.17	.81	
41.022	97.969	3.90	2.25	1.18		52	7	-7	-9	8		.80	.40	.40	.22			2.18	.86	
41.013	98.061	3.55	2.31	.79		52	7	-7	-9	8		.50	.40	.40	.27			2.16	.85	
41.006	98.154	3.57		1.13		51	8	-6		9		.65	.40		.40			2.21	.86	
40.998	98.246	3.68		.41		51	8	-6		9		.55	.40		.60			2.18	.42	

SUMMER 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
40.992	98.340	3.43		.93		51	8	-6		9		.65	.50		.60			2.27	1.01	
40.995	98.434	3.74		.82		52	7	-7		9		.45	.45		.33			2.14	.76	
40.994	98.529	3.35		.85		51	7	-6		8		.38	.40		.33			2.21	.65	
41.001	98.621	3.38		.49		50	8	-5		9		.45	.33		.40			2.14	.43	
41.007	98.716	3.92		.30		51	8	-6		9		.80	0.00		.27			2.18	.43	
41.002	98.810	3.78		.49		51	7	-7		8		.20	-.25		.40			2.12	.51	
41.001	98.906	3.46		.84		54	3	-10		5		-.20	-.30		.50			2.42	.48	
41.000	99.003	3.37		.78		55	2	-11		5		-.20	-.30		.55			1.98	.50	
41.010	99.098	3.25		.76		53	4	-9		6		0.00	-.25		.45			2.26	.58	
41.023	99.195	3.30		.48		51	6	-7		8		.32	-.30		.55			2.17	.49	
41.038	99.291	3.55		.63		52	5	-8		7		.45	-.30		.60			2.19	.67	
41.046	99.388	3.51		.62		52	5	-9		7		.45	-.30		.33			2.18	.50	
41.047	99.485	3.45		.69		53	4	-10 d		6		.45	-.45		.22			2.20	.50	
41.047	99.583	3.45		.39		53	3	-10		6		.08	-.55		.38		3.92	2.04	.55	
41.046	99.681	3.17		.79		55	1 d	-12		4		.07	-.60		.50		3.32	2.09	.68	
41.044	99.779	3.20		.46		58 d	-2	-15		-0 d		.27	-.60		.40		3.26	2.29	.56	
41.040	99.877	3.20		.54		62	-6	-19		-4		.20	-.60		.50					
41.035	99.976	3.42		.53		66	-10	-23		-8		.13	-.35		.40					
41.032	100.076	3.40		.72		62	-6	-19		-4		.40	-.30		.33					
41.033	100.177	2.88		.81		61	-5	-18		-3		0.00	-.30		0.00					
41.040	100.276	3.26		.69		59	-4	-16		-1		.07	-.25		.20					
41.042	100.376	3.47		.54		55	1	-12		4		.45	0.00		1.00					
41.037	100.476	3.10		.81		51	5	-8		8		.50	-.10		1.25		1.52		.92	
41.042	100.577	2.88		.94		51	5	-8		9		.70	-.05		.90		2.62		.91	
41.048	100.676	3.11		.52		50	5	-8		8		.75	0.00		.65					
41.056	100.776	3.07		.59		51	4	-9		7		.80	0.00		.65					
41.051	100.876	3.56		.12		51	5	-9		8		.85	0.00		.80					
41.050	100.977	2.87		.34		50	5	-8		8		.95	0.00		.40					
41.055	101.078	3.10		.38		50	5	-8		8		.55	-.20		.70					
41.058	101.179	3.52		.13		50	4	-9		8		.75	-.30		.65					
41.060	101.281			.34		50	4			8		.95			1.00					
41.061	101.384			.46		50	4			8		.95			.95					
41.062	101.485			.34		51	4			8		.90			.80					
41.063	101.588			.81		51	3			7		1.00			.55					
41.065	101.690			.66		51	3			7		1.00			.70					
41.066	101.792			.08		51	2			7		.85			.50					
41.069	101.891			.26		51	3			7		.90			.70					
41.071	101.994			.41		50	3			7		1.36			.88					
41.075	102.114			.40		50	3			7		1.15			.90					
41.077	102.197			.16		51	2			7		1.20			.85					
41.084	102.297			-.06		51	1			6		1.15			.50					
41.094	102.398			.06		51	2			7		1.05			.80					
41.100	102.494			-.55		50	2			7		.85			1.05					
41.102	102.595			-.27		50	2			7		.90			1.05					
41.101	102.699			.41		50	2			6		.95			.80					
41.097	102.802			.24		51	1			6		1.00			.65					
41.092	102.904			.39		50	1			6		1.12			1.06					
41.093	103.007			.13		50	1			6		.90			1.10					
41.098	103.108			-.19		50	1			6		1.00			.95					

SUMMER 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
41.110	103.206			-.11		50	1			6		.65			.90					
41.122	103.308			-.17		50	0			6		.90			.60					
41.134	103.408			-.32		50	0			6		.75			.80					
41.146	103.509			-.21		50	0			6		.95			.85					
41.157	103.609			-.56		50	0			6		.95			.75					
41.163	103.712			-.49		50	-1			6		1.00			.70					
41.168	103.818			-.27		50	-1			6		1.00			1.10					
41.171	103.921			-.47		50	-1			6		1.00			.95					
41.174	104.024			-.43		49	-0			6		1.00			.85					
41.176	104.125			-.55		50	-1			6		1.00			.33					
41.180	104.222			-.26		50	-2			6		1.00			.33					
41.186	104.324			-.41		50	-2			6		1.00			.50					
41.191	104.424			.07		49	-1			6		1.00			.60					
41.197	104.523			-.38		50	-2			5		.95			.43					
41.204	104.638			-.19		50	-2			6		.70			.70					
41.209	104.721			-.19		50	-2			5		.94			.94					
41.216	104.820			-.24		49	-2			6		.85			.95					
41.231	104.918			.09		49	-2			6		.80			1.05					
41.248	105.014			-.29		49	-2			6		.70			1.05					
41.265	105.109			-.33		50	-3			5		.90			1.10					
41.281	105.205			-.70		49	-2			5		.85			1.00					
41.296	105.303			-.35		50	-3			5		.65			.65					
41.304	105.401			-.18		49	-3			5		.60			.40					
41.315	105.499			-.44		49	-3			4		.70			50					
41.326	105.597			-.32		48	-3			4		.90			.85					
41.335	105.693			-.76		48	-3			5		.90			.55					
41.354	105.787			-.79		49	-5			4		.90			1.00					
41.373	105.881			-.95		49	-5			4		1.00			.85					
41.392	105.977			-.65		49	-5			4		1.00			.65					
41.409	106.072			-.71		49	-5			4		1.00			.85					
41.421	106.169			-.72		49	-5			5		1.00			1.05					
41.435	106.267			-.56		50	-5			3		.85			1.05					
41.448	106.367			-.45		50	-5			3		.70			1.25					
41.470	106.463			-.87		50	-6			2		.90			.80					
41.495	106.559			-.83		50	-6			2		1.00			.45					
41.520	106.651			-.77		49	-6			3		1.00			.90					
41.548	106.743			-1.42		49	-6			2		1.00			1.00					
41.570	106.837			-.72		50	-7			1		.70			1.10					
41.594	106.931			-.96		49	-6			3		.70			1.30					
41.613	107.011			-.73		49	-6			3		.70			1.22					
41.637	107.123			-.74		50	-7			2		.45			1.10					
41.658	107.215			-.94		50	-7			2		.40			1.05					
41.684	107.308			-1.31		50	-7			1		.40			1.00					
41.707	107.402			-1.04		50	-8			1		.33			1.25					
41.728	107.497			-1.04		50	-8			1		.33			1.00					
41.748	107.592			-1.31		50	-8			1		.33			1.10					
41.730	107.686			-.76		50	-8			1		.07			1.15					
41.727	107.802			-.93		51	-9			1		0.00			.80					
41.722	107.902			-1.32		50	-9			1		0.00			.90					

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SUMMER 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
41.712	108.003			-1.39		50	-9			1		0.00			1.05					
41.697	108.103			-1.28		50	-9			1		.20			1.00					
41.682	108.203			-1.26		50	-9			1		.13			1.00					
41.667	108.303			-1.28		50	-9			1		.20			.95					
41.652	108.402			-1.23		50	-9			-0		.40			1.00					
41.638	108.504			-1.48		50	-9			1		.40			1.05					
41.624	108.604			-1.44		50	-10			1		.40			1.15					
41.618	108.707			-1.22		50	-10			0		.40			1.15					
41.612	108.808			-1.62		50	-10			-0		.40			1.00					
41.598	108.909			-2.13		50	-10			-1		.40			.90					
41.578	109.008			-2.60		50	-10			-1		.40			1.00					
41.571	109.110			-1.11		50	-11			-1		.40			.85					
41.558	109.210			-.21		50	-11			-1		.40			1.00					
41.535	109.308			-3.28		49	-10			-0		.40			.95					
41.525	109.409			-3.79		50	-11			-1		.40			.95					
41.524	109.512			-2.01		50	-11			-1		.33			1.05					
41.531	109.617			.13		50	-12			-2		.27			1.20					
41.504	109.715			-.92		50	-12			-2		.07			1.30					
41.504	109.819			.76		50	-12			-2		0.00			1.30					
41.489	109.885			3.56		51	-13			-3		0.00			1.30					
41.481	109.986					51	-13			-3		0.00			1.30					
41.348	110.738																			

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SUMMER 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
38.746	107.877					47				-4					-1.55					
38.719	107.801					48				-5					-1.70					
38.702	107.751					48				-5					-1.73					
38.683	107.676					48				-6					-1.50					
38.654	107.575					48				-8					-1.50					
38.612	107.472					49				-11					-1.50					
38.573	107.389					48				-11					-1.50					
38.553	107.347					47									-1.50					
38.413	106.835			-2.09		45				-8					-1.50					
38.365	105.834			-1.75		46	-2			-0		0.00			-.70					
38.365	105.740			-.80		45	-1			1		0.00			-.65					
38.365	105.645			-.06		45	-0			1		.20			-.85					
38.364	105.549			-.20		46	-0			0		0.00			-.30					
38.363	105.457			.70		46	0			0		0.00			-.30					
38.360	105.363			.45		46	1			-1		0.00			-.30					
38.356	105.268			.29		46	2			-1		.40			-.25					
38.349	105.175			.22		46	2			1		.75			.07					
38.341	105.081			-.46		46	2			3		.90			-.15					
38.332	104.987			-.52		46	2			4		.80			.13					
38.323	104.893			-.76		46	2			4		1.10			.40					
38.315	104.799			-.52		47	2			3		1.10			.60					
38.310	104.705			-.51		46	3			4		1.10			.60					
38.305	104.610			-.45		47	2			4		1.30			.40					
38.299	104.515			-.70		47	2			4		1.05			.70					
38.291	104.422			-.90		47	3			4		1.00			.42					
38.286	104.326			-.63		47	2			3		1.00			.45					
38.278	104.226			-.97		47	3			4		1.00			.27					
38.271	104.132			-.95		46	4			5		1.10			-.10					
38.266	104.035			-.75		47	3			4		1.40			13					
38.258	103.940			-.95		47	3			4		1.60			.45					
38.250	103.844			-1.07		47	4			5		1.55			.45					
38.245	103.748			-1.11		47	4			5		1.00			.45					
38.240	103.652			-.60		47	4			5		1.35			37					
38.237	103.558			-.82		48	4			5		1.45			.27					
38.233	103.463			-.54		47	4			5		1.30			.55					
38.229	103.370			-.80		48	4			5		1.30			1.00					
38.224	103.277			-.55		48	3			4		1.25			.95					
38.218	103.182			-.31		48	4			4		1.25			.95					
38.212	103.084			-1.11		47	5			5		.95			1.00					
38.205	102.994			-1.16		48	4			4		.85			.75					
38.200	102.900			-.98		48	4			4		.70			.60					
38.203	102.801			-1.30		48	4			4		1.10			.13					
38.201	102.707			-1.07		48	4			5		1.40			.13					
38.187	102.612			-.89		48	4			4		1.40			.60					
38.171	102.524			-.73		48	5			5		1.25			1.00					
38.157	102.427			-.40		48	5			5		1.35			.85					
38.140	102.334			-.73		49	4			4		1.15			.70					
38.124	102.240			-.51		48	5			5		1.25			.55					
38.109	102.148			-.65		48	6			5		1.10			.45					

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SUMMER 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
38.095	102.052			-.39		48	6			5		1.45			.33					
38.082	101.957			-.35		48	6			5		1.60			.38					
38.071	101.864			-.49		49	5			4		1.36			.58					
38.059	101.770			-.41		50	5			4		1.35			.60					
38.047	101.676			-.47		50	5			3		1.10			.90					
38.035	101.582			-.34		50	5			3		1.06			.46					
38.023	101.487			-.55		50	5			4		1.45			.38					
38.011	101.393			-.48		49	6			5		1.25			.38					
37.997	101.300			-.29		49	6			4		1.10			.65					
37.990	101.205			-.55		50	6			4		1.35			.85					
37.982	101.112			-.42		50	6			4		1.35			.90					
37.975	101.017			-.43		50	6			4		1.40			.70					
37.967	100.923			-.31		50	6			4		1.40			.75					
37.956	100.829			-.03		50	6			4		1.35			.65					
37.943	100.735			-.15		51	6			3		1.40			.40					
37.929	100.642			-.53		51	6			3		1.35			.55					
37.914	100.548			-.52		51	6			3		1.40			.65					
37.901	100.457			-.63		51	7			4		1.55			1.15					
37.889	100.362			-.15		51	7			4		1.20			.95					
37.881	100.268			-.09		51	6			3		1.05			.50		f,h	-8.24	-.06	
37.870	100.171			-.54		51	6			3		1.15			.60			1.74	-.35	
37.857	100.078			-.20		51	6			3		1.30			.50			1.80	-.17	
37.843	99.983	3.28		-.00		51	7	0		3		1.30	2.00		.80			2.00	-.14	
37.856	99.889	3.21		-.06		52	7	1		3		1.45	2.35		.60			1.87	-.02	
37.866	99.793	2.89		-.21		52	6	0		2		1.30	2.25		1.00			1.80	-.09	
37.869	99.695	3.50		-.33		52	7	1		3		1.45	2.05		.60			1.83	-.41	
37.874	99.599	2.89		-.37		52	6	-0		3		1.45	2.20		.40			1.79	-.29	
37.877	99.501	3.41		-.45		51	7	1		4		1.25	2.10		.50			1.85	-.40	
37.885	99.405	2.76		-.16		52	8	1		4		1.30	2.20		.50			1.77	-.11	
37.893	99.309	3.56		-.09		52	7	1		3		1.50	2.20		.50			1.84	-.04	
37.895	99.211	3.02		-.50		52	7	1		3		1.35	2.25		.70			1.87	-.65	
37.905	99.116	3.62		-.18		52	7	1		3		1.45	2.20		.45			1.90	-.35	
37.914	99.017	3.02		-.73		53	7	0		2		1.35	2.45		.45			1.94	-.46	
37.923	98.923	3.36		-.33		52	8	1		3		1.35	2.50		.27			1.77	-.11	
37.932	98.827	2.99		-.18		53	7	1		2		1.30	2.50		.32			1.78	-.13	
37.943	98.727	2.95		-.23		53	7	1		2		1.35	2.83		.40			1.82	-.44	
37.952	98.633	3.62		-.16		53	8	1		2		1.30	2.35		.70			1.88	-.10	
37.960	98.536	3.74		-.45		53	8	1		2		1.40	2.25		.50			1.72	-.35	
37.971	98.439	3.70		-.62		54	7	0		1		1.25	2.40		.65			1.78	-.50	
37.981	98.341	3.65		-.48		54	7	1		1		1.30	2.50		.40			1.73	-.51	
37.991	98.245	3.66		-.41		53	8	1		2		1.35	2.83		.50			1.81	-.42	
37.994	98.147	3.11		-.69		54	8	1		1		1.50	2.77		.75			1.82	-.43	
37.990	98.052	3.21		-.58		55	8	0		1		1.60	2.50		.60			1.86	-.37	
37.991	97.954	3.96		-.27		54	8	-0		1		1.60	2.50		.13			1.78	-.44	
37.961	97.871	3.64		-.80		54	8	-0		1		1.80	2.10		.58			1.25	-.68	
37.902	97.807	4.02		-1.07		56	7	-1		-1		1.60	1.90		1.00			1.72	-.11	
37.849	97.735	3.62		-.08		54	8	1		1		1.55	2.00		1.10			1.85	.12	
37.795	97.663	3.70		-.02		54	8	1		1		1.54	2.20		.64			1.82	-.41	
37.740	97.592	4.13		-.51		54	8	2		1		1.60	2.30		65			1.64	-.31	

SUMMER 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
37.673	97.539	4.12		-.46		54	8	2		1		1.70	2.40		.95			1.42	-.29	
37.598	97.512	3.66		-.19		54	8	2		1		1.70	2.70		.65			1.53	-.25	
37.521	97.488	4.00		-.67		55	7	1		-1		1.55	2.90		.70			1.60	-.30	
37.442	97.468	3.28		-.62		55	8	2		-1		1.50	2.83		.40			1.64	-.55	
37.365	97.445	3.55		-1.01		54	8	3		0		1.35	2.90		.33			1.71	-.65	
37.288	97.418	3.24		-.62		54	8	3		-0		1.35	2.50		.20			1.74	-.37	
37.216	97.378	3.50		-.54		54	8	3		-0		1.30	2.57		.20			1.68	-.76	
37.155	97.344	3.78		-1.02		54	8	3		-1		1.48	2.50		.40			1.63	-.89	
37.069	97.300	3.45		-.84		54	8	3		-1		1.55	2.70		.45			1.47	-.94	
36.995	97.264	3.54		-1.09		55	7	2		-2		1.60	2.90		.45			1.80	-.95	
36.920	97.234	3.18		-.85		56	6	1		-3		1.60	2.63		.45			1.60	-.69	
36.844	97.202	3.12		-.63		55	7	2		-2		1.60	2.50		.33			1.84	-.57	
36.770	97.170	3.36		-.56		56	6	2		-3		1.70	2.50		0.00			2.03	-.56	
36.719	97.148	2.34		-.76		55	7	3		-3		1.30	2.50		.20			3.04	.43	
36.747	97.033	3.17		.17		55	7	2		-4		1.45	2.70		.50			2.37	-.16	
36.779	96.946	3.06		-.44		56	6	2		-4		1.55	2.30		.45			2.15	-.23	
36.806	96.856	1.95		.03		56	6	2		-4		1.60	2.50		.70			2.08	.29	
36.837	96.766	1.84		.30		56	6	2		-4		1.60	2.83		.75			2.00	.19	
36.863	96.674	2.26		-.22		57	6	2		-4		1.55	2.90		.70			2.09	.07	
36.882	96.580	1.71		.13		56	7	2		-3		1.60	2.63		.90			2.05	.12	
36.901	96.487	1.12		-.26		55	8	3		-2		1.60	2.50		1.00			2.05	.16	
36.920	96.394	2.04		.28		55	8	3		-2		1.60	2.50		1.00			2.22	.13	
36.937	96.328	2.60		.08		56	7	2		-3		1.60	2.50		1.00					
36.967	96.188	2.40		.07		55	8	4		-2		1.50	2.90		.65			2.17	.52	
36.983	96.098	2.40		.35		56	8	3		-3		1.54	2.90		.76			2.17	.44	
37.000	96.007	1.61		.33		57	7	2		-4		1.50	2.70		.45			2.25	.33	
37.018	95.915	1.96		.68		57	7	2		-4		1.55	2.57		.75			2.17	.54	
37.038	95.813	1.91		.78		57	7	2		-4		1.60	2.50		.60			2.18	.85	
37.056	95.721	2.01		.58		56	8	2		-2		1.73	2.46		.49			2.21	.58	
37.076	95.613	2.15		.32		56	9	2		-2		1.70	2.30		.65			2.18	.36	
37.098	95.520	2.02		.49		56	9	2		-2		1.75	2.20		.50			2.19	.19	
37.120	95.428	2.13		.66		56	9	2		-2		1.60	2.29		.49			2.18	.27	
37.142	95.317	1.44		-.14		56	9	1		-2		1.75	2.25		.40			2.24	.13	
37.160	95.223	2.16		-.11		57	8	1		-3		1.60	2.20		.23			2.17	-.09	
37.140	95.119	2.36		-.38		56	9	2		-3		1.80	2.25		.40			2.05	-.38	
37.098	95.036	2.50		-.07		55	10	3		-2		1.70	2.25		.60			2.22	-.11	
37.057	94.953	2.02		-.00		56	9	2		-2		1.39	2.11		.40			2.29	.06	
37.017	94.869	2.38		-.10		56	9	2		-2		1.50	2.10		.33			2.32	-.07	
36.975	94.769	2.36		.19		56	9	2		-2		1.30	2.15		.27			2.37	-.03	
36.949	94.696	1.75		.10		55	9	2		-2		1.35	1.85		.20			2.43	-.03	
36.917	94.606	2.29		-.44		55	8	1		-3		.32	1.15		.25			2.43	-.15	
36.878	94.504	2.14		.08		56	8	2		-4		-.20	.80		-.65			2.45	.00	
36.843	94.415	1.53		-.88		55	9	2		-4		-.43	.49		-.90			2.53	-.30	
36.800	94.315	1.89		-.39		55	9	2		-4		-.35	.65		-.90			2.63	-.28	
36.760	94.231	1.54		-.18		56	8	2		-5		-.30	.80		-.90			2.57	-.08	
36.720	94.168	.89		-.20		56	9	3		-5		-.30	.65		-.85			2.66	.07	
36.659	94.083	1.79		-1.00		56	8	3		-5		-.20	.40		-.60			2.57	-.36	
36.608	94.012	1.18		-.69		55	9	4		-5		.27	.40		-.55			2.70	-.44	
36.571	93.919	1.44		-.70		56	8	4		-6		-.21	.61		-.60			2.70	-.29	

SUMMER 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
36.533	93.815	1.67		-.18		56	8	4		-6		-.20	.60		-.80			2.63	-.26	
36.505	93.737	2.05		-.51		57	7	4		-8		-.20	.70		-.90			2.68	-.40	
36.469	93.635	2.11		-.09		58	6	3		-9		.27	.90		-.95			2.73	-.34	
36.440	93.544	2.47		-.78		58	6	4		-9		-.10	1.00		-1.00			2.91	-.62	
36.419	93.470	1.79		-1.00		58	6	4		-9		-.15	.90		-1.15			3.00	-.12	
36.383	93.380	1.51		-.19		58	7	4		-9		0.00	.90		-1.10			2.96	-.41	
36.355	93.309	1.85		-.37		58	7	4		-9		-.30	1.00		-1.03			3.01	-.51	

SUMMER 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
36.262	92.766	2.32		.67		56	11	9		-7		1.65	2.50		.20					
36.268	92.689	2.33		1.25		57	10	8		-8		1.65	2.50		.40					
36.266	92.609	2.50		.95		56	11	8		-7		1.85	2.50		.40					
36.257	92.530	2.71		.75		56	11	8		-7		1.60	2.25		.60					
36.251	92.450	2.06		1.54		55	12	9		-6		1.60	2.20		.55					
36.240	92.367	2.65		.77		55	12	9		-6		1.35	2.05		.40					
36.234	92.285	2.93		-.09		56	11	8		-7		1.50	2.20		.40			3.31	.56	
36.228	92.203	2.19		1.17		57	10	8		-8		1.60	2.15		.38			3.08	.92	
36.219	92.121	2.25		.73		55	12	10		-6		1.55	2.00		.13			3.12	1.09	
36.214	92.035	1.75		.82		56	11	10		-7		1.40	2.20		.40			3.13	1.19	
36.208	91.951	1.86		.94		56	11	10		-7		1.55	2.20		.60			3.09	1.08	
36.203	91.865	1.65		.66		57	10	9		-8		1.50	2.40		70			2.99	1.05	
36.198	91.777	1.32		.91		56	12	10		-7		1.60	2.25		.80			2.90	1.40	
36.194	91.684	1.24		1.38		55	13	11		-6		1.60	2.15		1.00					
36.188	91.604	1.34		1.42		57	11	10		-8		1.60	2.44		1.00					
36.176	91.491	1.54		1.48		58	11	10		-9		1.60	2.50		.90					
36.165	91.396	1.23		1.36		58	11	9		-10		1.60	2.50		.65		1.25	2.79		
36.151	91.299	1.72		1.67		57	12	10		-9		1.60	2.35		.50		1.64	2.73		
36.140	91.202	2.52		1.57		59	11	9		-11		1.60	2.50		.40		1.98	2.82		
36.129	91.105	1.91		2.15		58	13	11		-10		1.85	2.77		.45		1.89	2.87		
36.115	91.007	2.27		2.16		58	13	10		-10		1.90	2.90		40		2.37	3.07		
36.103	90.910	2.57		2.15		59	12	9		-11		1.80	2.63		.50		2.65	3.15		
36.098	90.812	2.48		2.51		60	12	8		-12		1.65	2.70		.40		1.65	3.21		
36.090	90.715	2.46		1.94		58	14	10		-10		1.85	2.50		.13		2.01	3.36		
36.084	90.615	2.08		1.75		58	14	10		-10		1.65	2.50		.20		2 06	3.24		
36.078	90.517	2.27		2.37		59	13	9		-11		1.65	2.50		.40		2.21	3.22		
36.073	90.419	2.48		2.16		59	13	9		-11		1.80	2.50		40		2.46	3.27		
36.069	90.321	2.36		2.37		58	14	10		-10		1.60	2.50		.55		2 30	3.27		
36.066	90.223	2.56		1.52		61	12	8		-13		1.60	2.50		.70		2.42	3.38		
36.062	90.125	1.89		2.11		60	14	9		-12		1.85	2.50		.70		1.74	3.33		
36.058	90.025	1.87		1.63		58	15	10		-10		1.80	2.50		.60		1.79	3.45		
36.052	89.929	2.19		2.12		59	14	9		-11		1.60	2.50		.70		2 05	3.60		
36.050	89.830	1.63		2.10		59	14	9		-10		1.78	2.50		.80		1 74	3.56		
36.046	89.733	1.85				58	15	10				1.85	2.50				1.62	3.61		
36.041	89.634	2.13				58	15	11				1.70	2.50				2.07	3.81		
36.036	89.538	1.87				58	15	11				1.85	2.57				1.81	3.54		
36.031	89.442	1.66				58	14	10				2.15	2.90				1.62	3.52		
36.024	89.343	1.30				58	14	10				1.90	2.90				1 37	3.61		
36.019	89.245	1.67				57	15	11				1.90	2.90				1.62	3.74		
36.023	89.149	1.31				57	15	11				2.00	2.90				1.28	3.63		
36.022	89.053	2.38				59	13	8				2.15	2.90				2.27	3.74		
36.026	88.940	2.83				58	14	9				2.10	2.50				2.76	3.78		
36.028	88.859	2.88				57	15	10				2.10	2.50				2.76	3.93		
36.032	88.761	2.73				57	15	10				2.15	2.50				2.65	4.07		
36.035	88.664	2.98				58	15	10				2.20	2.50				2.79	3.69		
36.037	88.573	2.98				57	15	10				2.15	2.50				3.01	3.60		
36.039	88.476	3.46				57	14	10				2.05	2.45				3.51	3.69		
36.043	88.380	3.24				56	15	11				1.85	2.20				3.18	3.54		
36.046	88.284	3.05				55	16	12				1.70	2.30				3.04	3 47		

SUMMER 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
36.050	88.187	3.10				55	16	11				1.75	2.35				3.11	3.46		
36.052	88.091	3.31				56	15	9				1.85	1.90				3.17	3.54		
36.055	87.994	2.91				56	15	10				1.70	1.90				3.37	3.66		
36.059	87.898	3.21				56	16	10				1.90	1.60				3.33	3.65		
36.063	87.801	3.04				55	17	10				1.90	1.70				3.04	3.74		
36.067	87.704	3.36				56	16	10				1.90	1.85				3.28	3.75		
36.071	87.608	3.18				56	16	10				2.15	1.90				3.29	3.69		
36.074	87.512	3.49				56	16	10				1.95	1.95				3.44	3.90		
36.078	87.416	3.28				57	15	10				1.90	2.20				3.26	3.89		
36.083	87.319	3.61				57	15	10				1.90	2.20				3.18	3.87		
36.088	87.222	3.63				58	15	10				1.90	2.25				3.29	3.84		
36.093	87.126	2.94				56	16	11				1.90	2.15				2.91	3.80		
36.093	87.026	3.14				58	14	9				1.90	2.20				3.12	3.91		
36.094	86.929	2.90				58	14	9				1.90	2.20				3.01	3.78		
36.097	86.831	3.09				59	13	8				1.90	2.20				3.08	3.81		
36.100	86.733	3.74				58	14	9				2.15	2.15				3.40	3.84		
36.082	86.638	3.59				58	15	9				2.00	1.70				3.59	3.94		
36.064	86.544	3.98				59	14	8				1.90	1.75				3.22	3.85		
36.045	86.446	3.00				59	13	8				1.90	1.60				3.24	4.39		
36.026	86.353	2.96				57	15	10				1.90	1.60				3.15	4.38		
36.007	86.257	3.54				58	15	9				1.90	1.50							
35.988	86.163	3.15				57	15	9				1.90	1.40							
35.969	86.067	3.23				58	14	8				1.90	1.55							
35.951	85.973	2.92				59	13	8				1.90	1.55							
35.933	85.877	3.02				59	12	8				1.90	1.60							
35.915	85.781	2.63				58	13	10				1.80	1.55							
35.898	85.686	2.63				58	12	9				1.60	1.55							
35.879	85.589	2.73				57	12	9				1.60	1.35							
35.862	85.492	3.20				57	12	10				1.70	1.60							
35.846	85.395	2.60				58	12	9				1.85	1.60							
35.830	85.299	2.03				57	11	10				1.60	1.65							
35.815	85.202	1.86				58	10	10				1.60	1.70							
35.799	85.106	1.71				58	11	10				1.60	1.50							
35.782	85.010	1.59				57	11	10				1.60	1.45							
35.778	84.913	.84				57	12	11				1.40	1.85							
35.784	84.814	1.13				58	10	10				1.60	1.90							
35.790	84.715	.78				57	11	11				1.75	1.90							
35.796	84.618	.97				57	10	10				1.75	1.60							
35.804	84.520	1.39				57	9	9				1.60	1.55							
35.816	84.423	1.07				56	10	9				1.55	1.35							
35.828	84.327	.82				56	10	8				1.65	1.00							
35.848	84.231	.60				56	10	8				1.55	.95							
35.868	84.138	.75				56	10	7				1.50	1.00							
35.888	84.045	1.24				54	11	9				1.40	.80							
35.896	83.947	1.47				55	11	6				1.65	-.20							
35.898	83.848	1.15				56	10	4				1.90	-.55							
35.881	83.752	.48				56	11	4				1.90	-1.10							
35.865	83.655	.55				56	10	3				1.90	-.90							
35.849	83.557	.58				56	10	3				1.85	-.85							

SUMMER 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
35.838	83.460	.40				55	10	4				1.75	-.55							
35.829	83.362	.65				56	10	4				1.60	-.20							
35.821	83.264	.59				56	9	3				1.90	.07							
35.810	83.166	.64				55	10	5				1.70	.40							
35.793	83.072	1.40				55	9	5				1.75	.15							
35.758	82.986	.87				55	8	4				1.54	-.36							
35.721	82.900	.42				55	8	5				1.30	-.45							
35.683	82.815	2.28				64 d	-2 d	-4 d				1.55	-.25							
35.639	82.734	1.04				67	-5	-7				1.45	-.30							
35.595	82.654	1.17				68	-7	-8				1.30	0.00							
35.550	82.573	1.35				64	-3	-1				1.30	.63							
35.505	82.492	1.57				57	4	7				1.20	1.05							
35.468	82.406	.71				58	3	5				1.00	1.25							
35.437	82.316	.99				58	2	5				1.40	1.05							
35.381	82.250	1.05	2.44			59	1	5	-13			1.75	.80	-.75						
35.315	82.184	.75	2.53			58	1	7	-13			1.60	1.05	-.50						
35.249	82.119	1.93	3.31			59	-0	8	-13			1.15	1.30	-.30						
35.185	82.054	1.43	3.00			59	-2	9	-13			1.00	1.70	-.30						
35.105	81.989	.53	2.78			60	-3	9	-13			.70	2.05	-.25						
35.049	81.943	.48	2.75			60	-3	9	-13			.60	2.10	-.30						
34.976	81.919	1.26	1.59			60	-3	9	-13			.08	1.75	-.50						
34.922	81.985	.83	2.17			61	-4	9	-14			.08	1.85	-.55						
34.873	82.057	.20	2.67			61	-5	9	-14			.33	1.90	-.60						
34.825	82.129	.70	2.56			60	-5	10	-13			.08	1.90	-.72						
34.777	82.202	.62	2.62			60	-6	10	-13			0.00	2.15	-.65						
34.729	82.274	1.52	2.33			60	-6	11	-14			-.20	2.20	-.60						
34.681	82.346	.75	2.80			59	-5	12	-13			-.10	2.20	-.60						
34.633	82.418	1.16				59	-6	12				-.15	2.20							
34.585	82.490	.87				60	-6	12				-.05	2.25							
34.536	82.563	1.13				59	-5	12				-.20	2.20							
34.488	82.636	1.04				59	-5	12				-.15	1.95							
34.439	82.709	1.09				59	-5	12				-.50	1.85							
34.390	82.783	1.29				61	-7	12				-.60	1.90							
34.337	82.850	1.15				60	-6	12				-.25	1.80							
34.280	82.914	.52				61	-7	12				-.05	2.00							
34.224	82.978	.65				61	-7	12				-.15	2.05							
34.167	83.042	.94				61	-7	13				-.05	2.15							
34.111	83.106	.62				60	-6	14				-.10	2.20							
34.058	83.174	-.00				60	-6	15				-.15	2.30							
34.008	83.244	1.13				61	-7	14				-.07	2.20							
33.958	83.315	1.20				61	-6	14				.40	2.15							
33.888	83.349	.80				60	-6	16				.45	2.20							
33.811	83.363	.61				60	-5	16				.40	2.25							
33.735	83.380	-.25				60	-5	17				.75	2.15							
33.659	83.404	1.04				61	-6	17				.80	2.05							
33.584	83.430	.65				61	-6	17				.65	2.20							
33.509	83.456	.39				61	-6	17				.80	2.20							
33.434	83.481	.35				60	-5	18				.70	2.25							
33.350	83.511	.65				61	-7	18				.65	2.20							

SUMMER 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
33.260	83.542	.73				63	-9	16				.55	2.45							
33.170	83.574	-.23				63	-9	17				.70	2.50							
33.084	83.601	.27				61	-7	19				.85	2.77							
33.002	83.615	-.06				63	-9	18				1.00	2.83							
32.921	83.607	.73				62	-8	19				1.05	2.90							
32.841	83.604	-.23				63	-9	18				1.00	2.70							
32.763	83.610	1.29				64	-10	18				1.00	2.30							
32.687	83.635	-.83				64	-9	18				1.05	2.50							
32.637	83.690	-1.37				62	-8	21				1.30	2.82							
32.654	83.775	-.32				62	-7	21				1.05	3.20							
32.676	83.859	.02				64	-8	19				1.25	2.95							
32.698	83.943	.23				63	-7	20				1.40	2.90							
32.691	84.029	.26				62	-7	21				1.30	2.25							
32.675	84.118	-.23				63	-7	20				1.05	2.70							
32.657	84.207	-1.40				63	-7	21				1.55	2.30							
32.635	84.298	-.87				63	-7	21				1.60	2.50							
32.628	84.384	-1.04				64	-9	20				1.50	2.90							
32.624	84.470	.09				65	-10	19				1.30	2.63							
32.620	84.558	-.57				62	-7	23				1.25	2.83							
32.620	84.647	-.46				63	-8	23				1.05	2.90							
32.619	84.734	-.52				64	-9	22				1.25	2.90							
32.616	84.823	-.78				64	-8	22				1.25	2.90							
32.616	84.912	-1.37				65	-9	21				1.15	2.90							
32.614	84.999	-.09				66	-9	21				1.35	2.83							
32.588	85.082	-.89				64	-7	23				1.55	2.37							
32.565	85.165	-.84				64	-7	23				1.55	2.90							
32.543	85.250	-1.18				66	-9	21				1.30	2.90							
32.528	85.337	-.79				66	-9	21				1.10	2.90							
32.515	85.424	-1.04				66	-9	21				1.24	2.90							
32.503	85.510	-1.02				69	-13 b	19				1.40	2.90							
32.490	85.597	-1.83				68	-12	19				1.45	2.90							
32.474	85.682	-1.45				69	-12	18				1.30	2.90							
32.451	85.765	-.64				69	-12	18				1.50	2.63							
32.408	85.847	-1.31				71 b	-13	17				1.55	2.83							
32.368	85.923	-1.17				70	-11	18				1.55	3.00							
32.330	85.998	-1.69				70	-11	18				1.30	3.20							

SUMMER 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
32.077	87.072	10.75 d,h				103 d	-44 d	19 d				1.60	2.50							
32.121	87.134	63.90 ↓				101 ↓	-42 ↓	-17 ↓				1.60	2.50							
32.162	87.202	103.27 ↓				99 ↓	-40 ↓	-15 ↓				1.60	2.50							
32.369	88.641	-1.08				70	-9	9				2.20	2.50							
32.366	88.722	-1.13				67	-5	12				1.75	2.77							
32.372	88.809	-.50				66	-4	13				1.90	2.90							
32.376	88.898	-.40				64	-2	14				1.90	2.90							
32.387	88.982	-.46				63	-1	15				1.90	2.90							
32.405	89.068	-.91				63	-1	15				1.60	2.90							
32.417	89.155	-1.14				63	-2	15				1.80	2.95							
32.421	89.244	-.74				62	-0	16				1.90	2.90							
32.427	89.333	-1.19				63	-1	14				1.80	2.90							
32.432	89.423	-.33				63	-1	14				1.90	3.05							
32.439	89.512	-1.15				62	0	15				1.80	3.00							
32.446	89.601	-.49				59	2	18				1.90	3.20							
32.453	89.690	-.91				59	2	18				1.65	3.20							
32.464	89.779	-.76				59	3	18				1.45	3.20							
32.473	89.868	-.30				58	3	18				1.55	3.20							
32.483	89.958	-.70				59	2	17				1.50	3.20							
32.493	90.048	-.35				59	2	17				1.85	3.20							
32.506	90.133	-1.25				58	3	18				1.70	3.20							
32.509	90.228	-.39				59	2	16				1.75	3.20							
32.509	90.319	.03				61	0	14				1.45	3.20							
32.512	90.412	-.10				61	0	14				1.45	3.20							
32.514	90.502	1.27				61	1	14				1.50	3.20							
32.518	90.594	.76				61	0	14				1.55	3.20							
32.516	90.685	1.20				60	2	14				1.50	3.05							
32.513	90.778	1.25				61	1	13				1.65	2.90							
32.507	90.869	1.19				63	-1	10				1.35	2.83							
32.500	90.961	1.36				62	1	11				1.65	2.77							
32.493	91.052	1.53				61	2	12				1.70	2.90							
32.489	91.145	1.40				60	2	13				1.60	2.90							
32.489	91.237	1.10				61	2	12				1.70	3.05							
32.489	91.329	1.44				61	2	12				1.70	3.20							
32.490	91.421	1.35				62	2	12				1.75	3.20							
32.491	91.512	1.38				62	2	12				1.85	3.20							
32.496	91.603	1.83				62	1	11				1.50	3.20							
32.503	91.695	1.48				62	1	10				1.55	3.20							
32.511	91.784	1.73				62	0	10				1.40	3.15							
32.510	91.878	1.50				61	2	11				1.35	2.95							
32.511	91.971	1.73				60	1	11				1.30	2.90							
32.511	92.064	1.22				59	2	12				1.30	2.90							
32.528	92.153	1.19				59	2	12				1.35	3.10							
32.542	92.243	1.86				58	3	12				1.80	3.20							
32.552	92.335	1.55				58	3	12				1.75	2.90							
32.563	92.428	1.02				56	6	14				1.60	2.90							
32.573	92.520	2.15				55	6	14				1.60	2.83							
32.580	92.609	2.32				55	6	14				1.65	2.77							
32.588	92.703	2.54				55	6	15				1.70	2.63							

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SUMMER 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
32.602	92.798	2.21				54	6	15				1.65	2.70							
32.614	92.890	1.36				54	6	14				1.55	2.50							
32.631	92.995	1.54				55	6	14				1.40	2.57							
32.644	93.070	1.96				56	5	13				1.60	2.83							
32.658	93.163	1.10				54	6	14				1.80	2.63							
32.673	93.254	1.42				55	6	14				1.70	2.50							
32.692	93.345	.88				54	6	13				1.65	2.57							
32.707	93.437	.53				54	7	14				1.90	2.57							
32.723	93.532	.48				54	6	13				1.65	2.57							
32.742	93.618	1.17				53	6	13				1.35	2.50							
32.755	93.709	.80				55	5	12				1.75	2.50							
32.767	93.800	1.21				55	5	12				1.85	2.50							
32.774	93.908	.61				56	4	11				1.90	2.50							
32.784	94.000	.82				56	5	11				1.95	2.50							
32.791	94.093	1.02				56	3	10				1.95	2.63							
32.797	94.184	.39				55	3	11				1.85	2.90							
32.795	94.279	.68				55	4	11				1.75	2.90							
32.796	94.373	.52				54	4	11				1.90	2.77							
32.797	94.466	.45				54	3	11				1.70	2.77							
32.800	94.559	.27				54	3	11				1.80	2.63							
32.805	94.654	.85				53	3	12				1.85	2.63							
32.816	94.746	.63				52	4	12				1.65	2.70							
32.824	94.839	.15				52	5	13				1.30	2.70							
32.825	94.934	.69				52	4	12				1.45	2.57							
32.836	95.029	.45				51	5	13				1.70	2.50							
32.842	95.124	.72				51	5	13				1.65	2.90							
32.858	95.216	.30				53	4	11				1.45	2.90							
32.879	95.307	.32				54	1	9				1.30	2.77							
32.902	95.398	.15		.05		55	0	8		-11		1.30	2.57		-.30					
32.930	95.486	.08		.06		53	2	10		-10		1.60	2.90		-.70					
32.958	95.570	.35		-.89		51	4	12		-8		1.75	2.77		-.85					
33.003	95.699	.40		-1.18		52	2	11		-9		1.10	2.83		-.45					
33.033	95.785	.06		-.73		53	1	10		-10		.95	2.90		-.30					
33.062	95.872	-.30		-.53		53	1	9		-10		1.00	2.83		-.35					
33.098	95.954	-.37		-.41		54	2	10		-11		1.15	2.83		-.75					
33.136	96.034	.03		-.61		53	2	10		-10		1.50	2.90		-.75					
33.176	96.113	-.06		-.54		54	0	8		-10		1.45	2.90		-.80					
33.224	96.204	-.07		-.69		54	-0	8		-10		1.40	2.90		-.60					
33.263	96.281	.55		-.83		54	1	8		-10		1.18	2.90		-.60					
33.306	96.359	.48		-.51		53	2	9		-9		1.15	2.90		-.55					
33.351	96.433	.49		-.93		52	3	10		-8		1.20	2.90		-.70					
33.394	96.511	.16		-.85		56	-1	6		-12		1.25	2.90		-.90					
33.445	96.580	.85 d,h		12.99 d,h		75 d	-20 d	13 d		-31 d		1.25	2.90		-.90					
33.472	96.662	-17.40 ↓		59.37 ↓		86 ↓	-31 ↓	-24 ↓		-42 ↓		1.30	2.90		-.90					
33.484	96.749																			
33.484	96.839	.77																		
33.484	96.929	.63				63	-8	-2				1.00	2.40							
33.493	97.030	.40				58	-3	2				1.00	2.58							
33.506	97.128	.31				57	-2	3				1.00	3.30							

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SUMMER 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
33.521	97.199	.27				56	-1	4				1.25	3.20							
33.538	97.282	.53				54	1	6				1.60	3.20							
33.555	97.365	.57				53	2	7				1.50	3.20							
33.576	97.446	.67				54	0	6				1.30	3.20							
33.597	97.528	.85				54	0	6				1.00	3.20							
33.616	97.609	1.04		-.20		56	-2	3		-12		1.30	3.00		.58					
33.634	97.691	1.02		-.22		57	-3	2		-13		1.10	3.20		.40					
33.647	97.774	.89		-.33		57	-4	2		-13		1.20	3.20		.40					
33.660	97.859	.67		-.27		57	-4	1		-13		1.15	3.20		.27					
33.673	97.941	.64		-.58		60	-7	-2		-16		1.00	3.20		.40					
33.687	98.028	.25		-.52		65	-12	-7		-21		1.00	3.20		.07					
33.715	98.108	.47		-.53		63	-10	-6		-19		1.00	3.20		0.00					
33.750	98.179	.92		-.18		66	-13	-9		-23		1.00	3.20		.13					
33.777	98.261	1.46		-3.30		69	-17	-12		-26		1.00	3.20		.27					
33.791	98.341	.27				77 d	-25 d	-20 d		-28		1.15	3.20		.40					
33.820	98.414	-5.59	a,h			80	-28	-23				1.30	3.20							
33.861	98.484	-8.91				76	-24	-19				1.30	3.20							
33.890	98.558	-8.86				72	-20	-15				1.05	3.20							
33.939	98.621	-8.57				71	-18	-14				1.00	3.20							
33.939	98.704	-8.91				71	-18	-14				.85	3.20							
33.946	98.788	-8.91				71	-18	-14				.45	3.20							
33.955	98.869	-10.36				75	-21	-18				.40	3.20							
33.963	98.951	-7.74				79	-25	-22				40	3.20							
33.981	99.031	-8.80				82	-28	-26				.40	3.20							
34.009	99.106	-8.10				82	-28	-26				.40	3.05							
34.050	99.177	-8.69				75	-21	-19				.13	3.15							
34.090	99.247	-8.10				66	-12	-11				-.20	3.20							
34.124	99.320	-7.96				61	-7	-6				-1.00	3.20							
34.151	99.398	-8.18				56	-2	-1				-2.05	3.60							
34.174	99.476	-8.07				60	-6	-5				-2.80	3.75							
34.195	99.555	-8.27				56	-2	-1				-3.50	3.90							
34.210	99.634	-8.00				54	0	1				-4.75	4.10							
34.225	99.716					53		3					4.00							
34.239	99.798	1.63		-.00		51	1	5		-8		2.02	3.80		2.70					
34.252	99.879	1.72		.42		53	-2	1		-9		1.95	3.80		2.50					
34.268	99.962	1.83		.41		52	-1	2		-8		1.95	3.80		2.50					
34.283	100.044	1.95		.45		52	-1	2		-8		1.70	3.65		2.57					
34.299	100.122	2.20		-.18		53	-2	1		-9		1.90	3.50		2.45					
34.312	100.203	2.79		-.34		54	-3	0		-10		2.00	3.45		2.20					
34.298	100.287	2.60		-.07		54	-4	-1		-10		2.05	3.50		2.40					
34.287	100.370	1.68		.27		56	-6	-3		-12		2.05	3.50		2.30					
34.300	100.454	1.86		-.41		59	-9	-6		-15		2.00	3.50		2.40					
34.328	100.535	2.31		-.46		65 d	-15 d	12 d		-21 d		1.90	3.50		2.25					
34.360	100.612	3.23		.08		64	-14	-12		-20		1.90	3.50		2.45					
34.346	100.696	2.76		-.14		61	-11	-9		-17		1.95	3.50		2.35					
34.334	100.781	2.34		-.15		59	-9	-7		-15		1.95	3.50		2.50					
34.320	100.864	2.61		-.61		58	-8	-6		-14		1.90	3.50		2.30					
34.307	100.949	2.62		-.42		58	-8	-6		-14		1.90	3.50		2.45					
34.289	101.033	2.64		-.20		57	-7	-5		-13		1.90	3.50		2.25					

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SUMMER 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
34.279	101.118	2.25		-.39		55	-5	-3		-11		1.90	3.35		2.20					
34.268	101.204	2.52		-.41		53	-3	-2		-9		1.90	3.35		2.20					
34.259	101.287	2.45		-.39		51	-1	0		-8		1.90	3.20		2.14					
34.248	101.373	2.76		-.30		51	-1	-0		-8		1.90	3.10		1.95					
34.239	101.457	2.60		-.41		51	-1	0		-8		1.95	2.83		2.00					
34.223	101.541	2.66		-.25		50	-1	1		-7		1.85	2.40		2.20					
34.253	101.613	2.26		-.19		49	-0	1		-6		1.25	2.50		1.90					
34.302	101.677	2.18		-.01		49	-0	1		-6		1.10	2.50		1.60					
34.350	101.743	2.34		-.35		49	0	2		-6		1.30	2.40		1.45					
34.397	101.810	2.45		-.52		50	-1	0		-7		1.50	2.20		1.35					
34.435	101.888	2.33		-.43		50	-1	-0		-7		1.35	2.20		1.35					
34.455	101.974	2.66		-.42		50	-1	0		-7		1.35	2.35		1.25					
34.442	102.067	2.64		-.51		50	-2	0		-7		1.60	2.20		1.05					
34.428	102.158	2.64		-.45		51	-2	-1		-8		1.60	2.25		1.00					
34.403	102.264	2.62		-.10		50	-2	-1		-7		1.60	2.50		1.00					
34.407	102.340	2.19		-.20		55	-7	-6		-12		1.60	2.40		1.00					
34.411	102.435	2.16		-.26		56	-8	-7		-13		1.35	2.45		.85					
34.444	102.519	2.11		-.10		51	-3	-2		-8		1.20	2.25		.65					
34.485	102.599	2.26		.02		50	-2	-2		-7		1.20	2.20		.50					
34.490	102.692	2.42		.03		51	-3	-3		-8		1.40	2.20		.65					
34.488	102.785	2.11		.21		50	-2	-2		-7		1.15	2.20		.40					
34.493	102.879	2.09		-.43		52	-4	-4		-9		.75	2.20		.70					
34.532	102.963	2.66		.02		57	-10	-9		-14		.70	2.20		.70					
34.559	103.052	2.57		-.39		52	-5	-4		-9		.60	2.20		.50					
34.582	103.142	2.11		-.06		52	-5	-5		-9		.40	2.20		.65					
34.608	103.233	2.03		.11		51	-4	-3		-8		.60	2.00		.60					
34.636	103.321	2.22		.08		49	-2	-2		-6		.70	1.80		.40					
34.662	103.411	2.34		-.25		49	-2	-2		-6		.60	1.70		.40					
34.684	103.505	2.31		-.08		49	-2	-2		-6		.85	1.60		.55					
34.705	103.596	2.00		.34		49	-2	-3		-6		1.00	1.60		.75					
34.724	103.688	2.10		-.17		48	-2	-2		-5		.90	1.60		.75					
34.744	103.798	2.42		-.12		49	-3	-3		-6		.85	1.60		.75					
34.763	103.891	2.30		-.02		49	-3	-3		-6		1.00	1.60		1.00					
34.783	103.983	2.28		.02		49	-3	-3		-6		.60	1.65		1.00					
34.805	104.076	2.12		.53		48	-2	-3		-5		.45	1.70		1.00					
34.832	104.166	2.00		.54		48	-2	-3		-6		.40	1.90		1.00					
34.862	104.255	2.02		.87		49	-3	-4		-7		.40	1.90		.85					
34.892	104.342	1.93		.90		49	-4	-4		-7		.40	1.90		.70					
34.923	104.430	1.99		.91		50	-5	-5		-8		.40	1.80		.70					
34.954	104.520	2.05		.86		49	-4	-4		-7		.55	1.75		.70					
34.982	104.605	2.20		.59		49	-4	-5		-7		.70	1.60		.70					
35.009	104.694	2.31		.79		49	-4	-5		-7		.70	1.60		.40					
35.038	104.784	2.61		.58		48	-3	-4		-6		.85	1.60		.40					
35.061	104.874	2.82		.54		48	-4	-4		-7		.95	1.90		.40					
35.086	104.967	2.62		.53		48	-4	-4		-7		.75	1.90		.40					
35.106	105.058	2.97		.57		49	-5	-6		-8		.95	1.90		.40					
35.073	105.145	3.37		.58		48	-5	-5		-7		.85	1.90		.60					
35.061	105.238	2.48		.40		48	-5	-9		-7		.90	1.75		.40					
35.026	105.322	3.31		.08		48	-5	-7		-7		.80	1.65		.65					

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SUMMER 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
34.991	105.409	3.31		.31		48	-5	-6		-7		.75	1.60		.70					
34.958	105.497			.32		48	-5			-7		.90			.70					
34.929	105.585			.30		49	-6			-8		1.00			.75					
34.899	105.670			.30		49	-6			-9		.95			.70					
34.868	105.758			.44		49	-6			-9		.70			.70					
34.839	105.849			.48		49	-6			-9		.75			.70					
34.851	105.941			.35		49	-7			-9		1.00			.60					
34.882	106.022			.63		48	-6			-8		.80			.40					
34.915	106.098			1.02		49	-7			-9		1.00			.40					
34.940	106.180			.89		49	-8			-10		1.00			.40					
34.951	106.264			.95		49	-8			-11		1.00			.40					
34.938	106.352			1.15		49	-8			-11		1.00			.40					
34.935	106.451			1.29		49	-8			-11		1.00			.40					
34.931	106.543			1.01		49	-8			-11		1.00			.40					
34.924	106.633			1.57		49	-8			-12		1.00			.40					

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SUMMER 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	M	W	X	Y	Z	M	W	X	Y	Z	MW	MX	MY	MZ
0.000	0.000			-9.37 f,h		48	-7			-15		.70			4.70					
35.161	107.035			-9.39		49	-8			-16		.70			4.70					
35.169	107.113			-8.34		49	-8			-16		.70			4.70					
35.175	107.195			-8.99		50	-9			-17		.70			4.70					
35.181	107.274			-8.74		51	-10			-18		.70			4.80					
35.188	107.353			-9.18		52	-11			-19		.70			5.00					
35.193	107.436			-8.84		52	-11			-19		.70			5.00					
35.201	107.516			-8.83		51	-10			-18		.70			5.00					
35.208	107.602			-9.57		52	-11			-19		.70			5.00					
35.213	107.693			-9.95		51	-11			-18		.70			5.00					
35.224	107.784			-10.07		49	-9			-16		.70			5.00					
35.242	107.874			-9.92		49	-10			-16		.70			5.00					
35.262	107.966			-9.42		49	-10			-16		.70			5.00					
35.283	108.056			-9.21		49	-10			-16		.70			5.00					
35.304	108.146			-9.19		48	-9			-15		.70			5.00					
35.324	108.235			-8.98		47	-8			-14		.40			5.00					
35.345	108.326			-9.47		47	-9			-14		.45			5.00					
35.369	108.418			-9.21		48	-10			-15		.45			5.00					
35.389	108.510			-9.42		47	-9			-14		.55			5.00					
35.410	108.603			-9.39		47	-9			-14		.65			5.00					
35.429	108.693			-9.62		47	-9			-14		.45			5.00					
35.450	108.783			-9.68		47	-9			-14		.50			5.00					
35.468	108.873			-9.74		48	-10			-15		.60			5.00					
35.462	108.967			-9.81		49	-11			-16		.55			5.00					
35.444	109.058			-8.83		48	-10			-15		.70			5.00					
35.424	109.150			-9.39		49	-11			-16		.70			5.00					
35.406	109.242			-9.29		48	-10			-15		.70			5.00					
35.386	109.335			-9.22		48	-10			-15		.70			5.00					
35.368	109.427			-9.07		49	-11			-18		.70			5.00					
35.351	109.520			-8.77		49	-11			-18		.75			5.00					
35.333	109.613			-8.55		48	-11			-17		1.00			5.00					
35.315	109.705			-8.68		47	-10			-17		.75			5.00					
35.294	109.797			-9.52		48	-11			-18		.80			5.00					
35.272	109.889			-8.76		48	-11			-18		.75			5.00					
35.252	109.980			-9.13		49	-12			-20		.70			5.00					
35.232	110.073			-8.97		50	-13			-21		.70			5.00					

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SUMMER STABILITY TABLE - 8970 CHAIN - SEGMENT 43

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	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	TD BIAS uS MX	TD BIAS uS MY	TD BIAS uS MZ
31.712	104.678	3.43				49	-10	-5				-1.02	.24							
31.670	104.602	3.35				50	-10	-6				-1.05	.80							
31.632	104.523	3.18				50	-10	-6				-.90	.60							
31.601	104.457	3.29				50	-10	-6				-.80	.85							
31.558	104.363	3.30				51	-11	-7				-.75	1.20							
31.522	104.282	3.28				51	-10	-6				-.60	1.26							
31.481	104.189	3.27				50	-9	-5				-.50	1.30							
31.450	104.122	3.23				50	-9	-5				-.50	1.30							
31.406	104.028	3.26				51	-10	-6				-.30	1.30							
31.370	103.948	3.09				51	-10	-6				-.30	1.35							
31.333	103.868	2.84				52	-11	-7				-.30	1.50							
31.299	103.787	3.25				52	-11	-7				-.30	1.35							
31.264	103.706	2.97				51	-10	-6				-.30	1.35							
31.232	103.623	2.83				52	-11	-6				-.30	1.30							
31.200	103.541	2.89				53	-12	-7				-.30	1.30							
31.168	103.459	2.71				53	-12	-7				-.20	1.30							
31.135	103.379	2.59				53	-12	-7				0.00	1.30							
31.097	103.283	2.66				52	-11	-6				0.00	1.30							
31.075	103.217	2.67				54	-12	-8				0.00	1.30							
31.027	103.141	2.75				54	-12	-8				0.00	1.30							
30.990	103.064	3.15				55	-13	-9				0.00	1.30							
30.951	102.971	2.85				55	-13	-9				0.00	1.30							
30.928	102.886	2.86				56	-14	-10				0.00	1.30							
30.909	102.800	2.84				56	-14	-10				0.00	1.30							
30.902	102.699	3.04				56	-14	-10				0.00	1.30							
30.896	102.609	3.13				56	-14	-10				0.00	1.25							
30.890	102.522	3.21				55	-13	-9				0.00	1.30							
30.881	102.431	3.65				55	-13	-9				0.00	1.30							
30.875	102.327	2.76				57	-15	-11				0.00	1.30							
30.865	102.224	3.16				57	-15	-10				0.00	1.25							
30.858	102.135	2.96				56	-14	-9				-.05	1.30							
30.850	102.047	3.31		-1.82		55	-13	-8		-18		0.00	1.30		-2.00					
30.841	101.944	2.77		-1.72		55	-13	-9		-18		-.30	1.00		-2.43					
30.831	101.855	3.50		-1.45		56	-14	-10		-20		-.30	1.00		-2.50					
30.821	101.765	3.14		-1.61		56	-14	-10		-20		-.30	1.00		-2.43					
30.810	101.680	2.97		-1.14		56	-14	-10		-20		-.30	1.00		-2.10					
30.797	101.578	3.17		-1.60		57	-15	-11		-21		-.25	1.00		-2.05					
30.784	101.487	3.43		-1.62		57	-15	-11		-21		-.10	1.00		-2.05					
30.770	101.402	3.23		-1.45		57	-15	-10		-21		-.20	1.00		-2.05					
30.757	101.329	3.17		-1.27		57	-15	-10		-21		-.15	1.00		-2.05					
30.743	101.224	2.34		-1.11		56	-14	-9		-20		0.00	1.00		-1.90					
30.732	101.137	2.27		-.81		57	-15	-10		-21		0.00	1.05		-2.00					
30.720	101.048	2.19		-1.06		57	-15	-10		-22		0.00	1.30		-1.93					
30.711	100.947	1.91		-.90		57	-15	-10		-22		0.00	1.30		-1.80					
30.704	100.842	1.93		-1.45		57	-15	-10		-22		.07	1.30		-1.95					
30.698	100.753	1.99		-1.07		57	-15	-9		-22		.40	1.30		-1.85					
30.694	100.666	2.16		-1.45		58	-15	-10		-23		.40	1.30		-1.76					
30.691	100.576	1.94		-1.36		58	-15	-10		-23		.40	1.30		-1.75					
30.687	100.472	2.56		-1.80		58	-15	-10		-23		.40	1.30		-1.76					

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SUMMER 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														
30.676	100.368	2.32		-1.16		59	-17	-11		-24		.40	1.30		-1.65					
30.662	100.280	2.19		-1.44		59	-17	-10		-24		.40	1.30		-1.65					
30.648	100.207	2.16		-1.26		59	-17	-10		-24		.40	1.20		-1.50					
30.634	100.118	2.39		-1.26		59	-16	-10		-24		.40	1.30		-1.50					
30.617	100.014	3.04		-1.52		60	-17	-11		-25		.40	1.35		-1.70					
30.602	99.925	2.28		-1.47		60	-16	-11		-25		.40	1.51		-1.67					
30.585	99.822	2.17		-1.62		60	-16	-10		-25		.40	1.60		-1.67					
30.568	99.719	1.72		-1.42		59	-15	-9		-24		.40	1.35		-1.55					
30.560	99.630	1.56		-2.21		59	-15	-9		-24		.40	1.55		-1.65					
30.552	99.541	1.57		-1.76		59	-15	-8		-24		.40	1.60		-1.60					
30.547	99.466	1.42		-1.64		59	-15	-8		-24		.50	1.60		-1.70					
30.536	99.361	1.82		-2.08		60	-16	-9		-25		.55	1.60		-1.75					
30.528	99.272	2.11		-2.12		60	-16	-9		-25		.50	1.60		-1.55					
30.518	99.181	2.06		-2.24		59	-15	-8		-24		.61	1.56		-1.80					
30.504	99.075	1.93		-1.69		60	-16	-9		-25		.40	1.55		-1.55					
30.488	98.986	1.98		-1.96		60	-16	-9		-25		.40	1.30		-1.80					
30.475	98.895	1.63		-1.85		60	-16	-8		-25		.40	1.45		-1.70					
30.470	98.804	1.76		-1.45		61	-17	-9		-26		.40	1.60		-1.70					
30.457	98.715	1.83		-.84		61	-17	-9		-26		.40	1.60		-1.80					
30.445	98.640	2.40		-1.34		61	-18	-8		-26		.40	1.60		-1.80					
30.428	98.536	1.34		-1.54		62	-21	-9		-27		.40	1.60		-1.80					
30.415	98.446	1.64		-2.02		61	-20	-7		-26		.40	1.80		-1.80					
30.407	98.356	1.42		-1.57		62	-20	-8		-27		.40	1.90		-1.80					
30.391	98.268	1.58		-1.18		62	-20	-7		-27		.45	1.90		-1.80					
30.376	98.193	1.72		-1.79		62	-19	-7		-27		.65	1.90		-1.80					
30.353	98.091	2.16		-1.64		62	-19	-7		-27		.70	1.90		-1.84					
30.337	98.004	1.61		-1.57		63	-19	-7		-28		.70	1.90		-2.00					
30.324	97.900	1.49		-1.53		63	-19	-7		-28		.70	1.90		-1.80					
30.311	97.795	1.93		-1.25		63	-19	-7		-28		.70	1.90		-2.05					
30.301	97.720	2.56		-1.38		63	-18	-7		-28		.70	1.90		-1.80					
30.292	97.615	1.48		-1.97		63	-18	-7		-28		.70	1.90		-1.80					
30.289	97.508	1.48		-1.87		63	-17	-7		-28		.70	1.90		-1.80					
30.289	97.416	1.69		-2.31		64	-18	-7		-29		.70	1.90		-1.80					
30.286	97.324	2.32		-1.59		64	-17	-7		-29		.70	2.00		-1.90					
30.282	97.232	1.90		-1.85		65	-18	-8		-30		.80	2.10		-1.80					
30.279	97.139	1.94		-1.67		64	-17	-7		-29		.85	2.20		-1.90					
30.277	97.047	.96		-2.29		65	-18	-8		-30		1.00	2.20		-2.10					
30.278	96.938	1.17		-2.37		65	-18	-8		-30		1.00	2.20		-1.90					
30.278	96.846	1.20		-2.73		65	-18	-7		-30		1.00	2.25		-2.00					
30.279	96.753	1.55		-1.82		66	-18	-9		-31		1.00	2.33		-2.10					
30.280	96.645	1.37		-1.25		66	-18	-8		-31		1.00	2.35		-2.10					
30.282	96.553	1.42		-1.71		66	-17	-8		-31		1.00	2.50		-1.85					
30.290	96.461	1.49		-2.13		68	-19	-10		-33		1.00	2.50		-2.10					
30.298	96.371	1.94		-1.70		67	-18	-9		-32		.95	2.50		-2.10					
30.301	96.278	2.22		-1.52		66	-17	-8		-31		1.00	2.50		-2.10					
30.299	96.174	1.56		-1.16		66	-16	-8		-31		1.10	2.50		-2.00					
30.298	96.081	1.57		-.66		68	-18	-10		-33		1.30	2.50		-1.80					
30.297	96.005	1.15		-1.42		67	-17	-9		-32		1.05	2.30		-2.05					
30.300	95.897	1.02		-.17		67	-16	-8		-32		1.20	2.40		-1.70					

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SUMMER 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
30.303	95.805	1.33		-.47		67	-16	-7		-32		1.30	2.50		-1.50					
30.310	95.698	1.20		-.58		68	-16	-8		-33		1.34	2.29		-1.50					
30.317	95.589	1.69		-.94		67	-15	-6		-32		1.43	2.41		-1.50					
30.322	95.483	1.77		-.08		67	-15	-6		-32		1.45	2.20		-1.40					
30.314	95.391	2.01		.05		67	-15	-6		-32		1.39	2.24		-1.50					
30.294	95.285	2.10		-.30		66	-14	-5		-31		1.42	2.20		-1.68					
30.280	95.195	1.48		-.01		66	-14	-4		-31		1.30	2.24		-1.59					
30.264	95.088	1.49		.40		66	-13	-3		-31		1.34	2.46		-1.59					
30.252	94.996	1.65		.01		66	-13	-3		-31		1.35	2.45		-1.55					
30.240	94.888	1.75		-.15		67	-14	-4		-32		1.35	2.25		-1.50					
30.230	94.812	1.64		.76		67	-14	-4		-32		1.50	2.20		-1.30					
30.216	94.704	1.70		.68		67	-14	-3		-32		1.56	2.20		-1.33					
30.202	94.596	1.73		.91		66	-13	-3		-31		1.60	2.20		-1.50					
30.192	94.504	1.60		.95		67	-14	-3		-32		1.60	2.20		-1.37					
30.181	94.397	.94		.86		67	-14	-3		-32		1.60	2.20		-1.20					
30.175	94.303	1.28		.63		66	-13	-2		-31		1.60	2.20		-1.35					
30.164	94.210	1.45				66	-13	-2				1.60	2.20							
30.151	94.103	1.40				66	-12	-1				1.60	2.20							
30.143	94.013	1.51				65	-11	1				1.60	2.20							
30.146	93.907	.98				65	-11	1				1.60	2.20							
30.154	93.814	1.30				65	-11	1				1.60	2.20							
30.161	93.721	2.19				65	-10	2				1.60	2.30							
30.167	93.644	1.81				65	-10	2				1.60	2.25							
30.165	93.536	1.97				63	-8	4				1.60	2.24							
30.149	93.428	2.12				64	-9	4				1.86	2.50							
30.138	93.322	2.11				65	-10	4				1.90	2.50							
30.146	93.245	2.10				64	-9	4				1.90	2.50							
30.152	93.153	2.31				64	-9	4				1.90	2.50							
30.153	93.045	2.52				63	-8	5				1.90	2.50							
30.152	92.966	2.84				63	-8	6				1.90	2.50							
30.152	92.857	2.49				64	-8	6				1.90	2.50							
30.151	92.780	3.09				64	-7	5				1.90	2.30							
30.152	92.671	3.03				64	-7	6				1.90	2.40							
30.149	92.579	3.29				62	-5	8				1.90	2.45							
30.147	92.486	2.99				62	-5	8				1.95	2.70							
30.144	92.393	3.08				62	-5	8				2.15	2.90							
30.145	92.300	2.80				63	-6	7				2.16	2.90							
30.149	92.192	2.83				64	-7	6				2.20	2.95							
30.151	92.100	2.45				64	-7	6				2.20	2.90							
30.152	92.009	3.11				62	-5	8				2.20	2.90							
30.148	91.915	2.72				62	-5	9				2.20	2.90							
30.144	91.822	2.77				61	-4	11				2.20	2.95							
30.132	91.730	1.91				61	-5	10				2.35	3.10							
30.123	91.626	1.39				61	-5	10				2.35	2.77							
30.117	91.532	1.84				61	-5	10				2.20	2.50							
30.113	91.439	1.67				62	-6	10				2.15	2.50							
30.113	91.349	1.25				61	-6	11				2.11	2.50							
30.112	91.256	.58				61	-6	11				1.90	2.50							
30.112	91.148	.49				61	-6	12				1.81	2.50							

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SUMMER 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
30.112	91.040	.31				60	-5	14				1.60	2.50							
30.118	90.945	.10				61	-7	12				1.60	2.50							
30.134	90.855	.16				61	-8	11				1.60	2.46							
30.173	90.753	-.05				62	-10	11				1.60	2.50							
30.209	90.668	.74				62	-10	12				1.65	2.50							
30.240	90.597	.74				62	-8	13				1.65	2.50							
30.283	90.499	.38				62	-8	12				1.60	2.50							
30.305	90.392	1.06				62	-8	12				1.60	2.50							
30.310	90.299	.59				62	-8	12				1.60	2.50							
30.322	90.207	.75				62	-8	12				1.60	2.50							
30.330	90.114	.74				62	-8	12				1.60	2.50							
30.340	90.006	.67				62	-7	13				1.60	2.35							
30.350	89.913	.70				62	-6	13				1.64	2.20							
30.359	89.808	.99				62	-6	13				1.90	2.35							
30.367	89.715	.16				62	-6	13				1.85	2.25							
30.374	89.615	1.02				63	-5	13				2.15	2.45							
30.385	89.519	-.01				63	-6	14				2.20	2.50							
30.411	89.412	.34				62	-4	16				2.20	2.50							
30.432	89.328	.81				62	-4	16				1.90	2.50							
30.446	89.249	.14				64	-5	15				2.15	2.83							
30.492	89.201	.11				62	-3	17				2.20	3.10							
30.484	89.161	.42				63	-4	16				2.20	2.70							

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SUMMER 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
30.372	88.934	.00				57	1	21				2.30	2.50							
30.410	88.881	-.20				57	0	21				2.40	2.50							
30.458	88.836	-.11				57	1	22				2.25	2.57							
30.514	88.781	-.26				58	-1	21				1.95	2.50							
30.548	88.748	-.63				57	0	21				1.90	2.50							
30.729	88.281	-.46				58	-2	21				2.30	2.20							
30.735	88.201	-.52				58	-2	21				2.20	2.35							
30.742	88.120	-.99				61	-5	18				2.20	2.45							
30.750	88.038	-1.29				59	-4	20				2.38	2.08							
30.758	87.958	-.86				57	-2	22				2.50	2.00							
30.768	87.876	-.74				58	-3	22				2.50	2.10							
30.778	87.788	-.19				59	-4	21				2.50	2.10							
30.787	87.701	-.49				60	-5	20				2.50	2.20							
30.792	87.613	-.63				60	-5	21				2.50	2.15							
30.798	87.523	-.62				60	-5	22				2.20	2.40							
30.806	87.436	-1.09				60	-5	22				2.15	2.35							
30.814	87.348	-1.12				61	-6	22				2.00	2.20							
30.819	87.258	-.32				62	-7	22				2.00	2.45							
30.822	87.169	-.22				62	-7	21				1.90	2.20							
30.823	87.080	-.95				63	-8	21				1.65	2.20							
30.824	86.991	-1.15				63	-8	22				1.55	2.10							
30.827	86.902	-1.33				64	-9	21				1.60	1.95							
30.831	86.813	-.61				63	-8	22				1.50	2.10							
30.836	86.724	-.80				62	-6	24				1.30	2.15							
30.836	86.636	-.02				62	-7	25				1.30	2.25							
30.833	86.547	-.82				62	-7	26				1.45	2.20							
30.829	86.458	-.56				61	-6	27				1.60	2.45							
30.826	86.369	-.75				62	-6	28				1.65	2.50							
30.822	86.281	-.82				61	-5	29				1.60	2.50							
30.821	86.193	-.56				60	-5	30				1.60	2.45							
30.819	86.101	-.11				61	-6	31				1.50	2.50							
30.817	86.015	-.66				62	-7	31				1.60	2.40							
30.813	85.926	-.47				62	-7	31				1.40	2.30							
30.813	85.849	-.98				63	-8	32				1.36	2.50							
30.811	85.743	.39				64	-9	32				1.65	2.50							
30.806	85.654	.56				64	-10	33				1.70	2.50							
30.802	85.563	.93				66	-12	33				1.60	2.57							
30.801	85.476	-.06				67 b	-13 b	33				1.35	2.70							
30.798	85.382	.25				66	-12	36				1.70	2.90							
30.796	85.290	-.05				66	-12	37				1.85	2.90							
30.793	85.204	-.87				67	-14	37				1.60	3.20							
30.789	85.110	-.99				72	-20	32				1.60	3.20							
30.767	85.027	-1.31				71	-19	32				1.50	3.20							
30.743	84.942	-1.48				73	-21	29				1.35	3.05							
30.719	84.858	-1.65				71	-19	28				1.25	2.90							
30.693	84.774	-1.54				69	-17	29				1.05	2.90							
30.666	84.691	-1.63				66	-14	30				1.10	2.90							
30.639	84.608	-1.87				65	-14	31				1.15	2.90							
30.612	84.525	-1.83				64	-13	30				1.30	2.77							

SUMMER 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
30.584	84.442	-1.97				66	-15	27				1.15	2.50							
30.557	84.359	-1.95				64	-13	28				1.30	2.45							
30.557	84.270	-2.06				62	-12	29				1.50	2.50							
30.554	84.182	-2.02				61	-11	29				1.60	2.70							
30.553	84.093	-2.22				62	-12	28				1.60	2.83							
30.552	84.005	-1.87				62	-12	27				1.60	2.50							
30.550	83.916	-2.02				62	-12	27				1.45	2.50							
30.551	83.827	-2.53				63	-13	25				1.35	2.50							
30.549	83.739	-1.82				64	-14	24				1.30	2.63							
30.544	83.651	-1.80				62	-12	25				1.35	2.50							
30.543	83.562	-1.68				61	-11	25				1.50	2.50							
30.538	83.475	-1.64				60	-10	26				1.30	2.50							
30.538	83.384	-2.29				60	-10	25				1.30	2.50							
30.534	83.296	-1.19				58	-8	27				1.40	2.50							
30.530	83.208	-2.22				59	-9	26				1.55	2.50							
30.522	83.121	-1.50				60	-10	24				1.55	2.50							
30.522	83.034	-2.00				59	-9	25				1.30	2.77							
30.513	82.946	-1.26				58	-8	25				1.30	2.93							
30.513	82.860	-1.59				58	-8	25				1.30	3.20							
30.509	82.773	-1.75				59	-10	24				1.50	3.20							
30.504	82.672	-1.97				59	-10	23				1.60	3.20							
30.503	82.585	-2.59				59	-11	22				1.60	3.20							
30.561	82.544	-2.85				59	-11	23				1.60	2.37							
30.636	82.560	-2.91				59	-11	22				1.70	2.65							
30.710	82.570	-2.38				59	-11	22				1.90	3.20							
30.785	82.577	-2.43				58	-9	23				1.90	3.20							
30.862	82.582	-2.89				56	-7	25				2.00	3.20							
30.940	82.585	-3.19				58	-9	23				2.00	3.20							
31.017	82.580	-3.43				59	-10	22				1.90	3.20							
31.091	82.572	-3.09				60	-11	21				2.15	3.20							
31.168	82.565	-3.16				60	-11	21				2.20	3.20							
31.243	82.555	-3.13				62	-13	19				2.20	3.20							
31.319	82.546	-3.03				61	-12	20				2.15	3.20							
31.395	82.532	-3.34				64	-15	17				2.20	3.20							
31.470	82.519	-3.25				63	-14	18				1.95	3.20							
31.546	82.507	-2.29				63	-14	18				1.90	3.20							
31.610	82.461	-3.65				62	-13	19				1.85	3.50							
31.673	82.411	-2.54				64	-15	18				1.90	3.20							
31.734	82.359	-2.76				62	-13	19				1.90	3.20							
31.795	82.305	-2.94				64	-20	16				1.90	3.20							
31.857	82.248	-3.23				64	-16	16				1.75	3.20							
31.916	82.196	-3.03				63	-14	17				1.60	3.20							
31.987	82.135	-3.26				62	-12	18				1.60	3.20							
32.034	82.093	-3.04				62	-12	17				1.40	2.90							
32.101	82.039	-3.87				62	-19	17				1.55	3.00							
32.163	81.988	-2.80				62	-15	17				1.40	3.10							
32.225	81.936	-2.21				62	-13	17				1.30	3.20							
32.284	81.884	-2.59				61	-12	17				1.30	3.15							
32.348	81.832	-2.70				60	-11	18				1.25	2.90							

SUMMER 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
32.411	81.781	-2.66				62	-13	16				1.30	2.90							
32.474	81.731	-2.49				61	-12	17				1.30	3.20							
32.536	81.675	-1.82				61	-12	17				1.25	3.20							
32.597	81.626	-1.82				61	-12	16				1.20	3.10							
32.661	81.575	-1.59				62	-13	15				1.25	3.20							
32.725	81.523	-1.21				60	-11	17				1.00	3.20							
32.788	81.471	-.94				61	-12	16				.70	3.30							
32.851	81.420	-1.08				61	-13	15				.75	3.25							
32.915	81.369	-.89				62	-14	14				.80	3.20							
32.978	81.318	-.75				61	-14	15				55	2.95							
33.025	81.245	-.81				60	-13	15				.40	3.20							
33.067	81.169	-.20				60	-13	15				.40	3.00							
33.108	81.091	-.98				60	-13	14				.40	2.90							
33.149	81.014	-.75				61	-13	13				.40	2.90							
33.188	80.935	-1.23				62	-14	12				.40	3.00							
33.233	80.856	-1.40				60	-12	13				.60	3.10							
33.276	80.784	-1.61				60	-12	13				.50	2.90							
33.320	80.709	-1.71				60	-11	14				.65	2.90							
33.363	80.630	-1.33				59	-10	14				.75	2.90							
33.409	80.559	-.80				59	-9	14				.90	2.90							
33.451	80.483	-1.06				60	-10	12				1.00	2.83							
33.505	80.417	-1.55				61	-10	11				1.00	2.50							
33.560	80.356	-.80				61	-11	12				1.00	2.77							
33.615	80.293	-1.25				62	-12	11				1.00	2.95							
33.672	80.231	-1.24				62	-13	10				1.00	2.90							
33.729	80.169	-.37				62	-13	10				1.00	2.90							
33.786	80.108	-.81				61	-11	10				.90	2.90							
33.842	80.045	-1.01				61	-11	10				.70	2.90							
33.900	79.985	-.74				60	-11	10				.50	2.90							
33.957	79.924	-1.17				61	-12	9				.65	2.90							
34.015	79.863	-1.05				62	-13	9				.80	2.90							
34.072	79.802	-1.16				61	-12	9				.70	2 90							
34.131	79.742	-1.07				61	-12	8				.65	2.90							
34.188	79.680	-.93				61	-12	8				.70	2.90							
34.243	79.616	-.42				62	-13	6				.50	3.10							
34.298	79.552	-.37				61	-13	7				.40	3.20							
34.355	79.490	.08				60	-12	8				0.00	3.20							
34.415	79.435	-.05				60	-11	8				.40	2.95							
34.474	79.372	-.29				60	-10	8				.40	2.95							
34.533	79.313	-1.13				60	-10	8				.60	2.90							
34.592	79.252	-.14				60	-10	8				.65	2.90							
34.651	79.193	-.14				58	-8	9				.45	2.83							
34.708	79.133	-.16				60	-10	7				.58	2.50							
34.767	79.070					61	C	6					2.50							
34.826	79.009					61	↓	6	-5				2.50	2.05						
34.886	78.949					59		7	-4				2.50	2.20						
34.940	78.886					60		5	-5				2.45	2.10						
34.934	78.789					58		8	-4				2.30	2.00						
34.922	78.691					59		7	-5				2.50	1.65						

SUMMER 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
34.919	78.593					59		7	-5				2.63	1.50						
34.930	78.495					61		5	-7				2.90	1.40						
34.925	78.399					61		5	-6				2.90	1.45						
34.917	78.302					60		5	-5				3.10	1.90						
34.907	78.203					58		7	-3				3.20	1.95						
34.895	78.106					59		6	-4				3.20	1.90						
34.882	78.009					60		5	-4				3.25	2.20						
34.892	77.921					59		6	-3				3.45	2.15						
34.955	77.868					60		4	-3				3.45	2.15						
35.019	77.818					62		2	-5				3.45	2.20						
35.083	77.768					61		3	-3				3.40	2.20						
35.150	77.719					60		4	-1				3.20	2.45						
35.214	77.670					59		5	0				3.20	2.63						
35.280	77.623					59		4	1				3.20	3.00						
35.347	77.582					59		4	1				3.20	3.05						
35.413	77.534					58		5	3				3.20	3.20						
35.479	77.489					58		5	3				3.20	3.25						
35.556	77.433					59		3	2				3.20	3.20						
35.624	77.388					59		4	2				3.25	3.20						
35.691	77.340					58		4	3				3.35	3.20						
35.747	77.302					58		3	4				3.25	3.05						
35.814	77.256					59		3	3				3.20	3.00						
35.892	77.201					57		4	5				3.10	2.90						
35.960	77.154					58		2	4				3.29	3.11						
36.038	77.099					57		2	5				3.20	2.94						
36.117	77.044					57		2	5				2.95	3.00						
36.185	76.997					58		0	4				3.10	2.63						
36.252	76.949					57		0	6				3.16	2.67						
36.332	76.895					58		-1	5				3.15	2.90						
36.390	76.833					57		-1	6				3.20	3.00						
36.443	76.763					58		-2	5				3.35	3.20						
36.497	76.692					58		-2	6				3.20	3.15						
36.554	76.626					59		-3	5				3.20	2.63						
36.609	76.558					58		-4	6				3.15	2.83						
36.662	76.488					59		-4	6				3.00	3.10						
36.706	76.430					59		-4	6				2.90	2.95						
36.770	76.350					59		-4	7				2.90	2.70						
36.826	76.284					59		-4	8				2.90	2.77						
36.874	76.230					61		-5	5				2.90	2.50						
36.951	76.176					59		-4	7				3.00	1.75						
37.023	76.152					59		-4	7				2.95	2.30						
37.082	76.124					59		-4	7				2.90	2.50						
37.164	76.086					60		-5	6				3.07	2.33						
37.237	76.052					60		-4	8				2.90	2.00						
37.321	76.013					59		-3	8				2.90	2.40						
37.388	75.967					59		-4	9				2.90	2.50						
37.453	75.914					59		-4	9				2.90	2.50						
37.518	75.862					60		-4	8				2.90	2.50						
37.584	75.808					60		-3	9				3.10	2.77						

SUMMER 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
37.648	75.756					60	C	-5	8				3.20	2.70						
37.714	75.705					61		-6	7				3.20	2.40						
37.779	75.656					61		-6	8				3.20	2.25						
37.848	75.608					60		-5	8				3.20	2.15						
37.922	75.557					60		C	9					1.90						
37.994	75.506					60			8					2.15						
38.054	75.461					60			7					2.25						
38.135	75.402		-.49			59	-7		8			.85		2.10						
38.203	75.352		-.11			59	-7		8			1.25		2.45						
38.279	75.298		.04			58	-7		10			1.10		3.05						
38.361	75.242		-.39			59	-8		10			1.34		2.50						
38.455	75.177		-.80			59	-7		10			1.55		2.57						
38.530	75.125		-1.34			59	-7		12			1.85		2.50						
38.604	75.074		-.47			58	-6		13			1.95		2.50						
38.684	75.032		-1.23			60	-8		11			2.25		2.50						
38.763	74.992		-.57			58	-5		13			2.50		2.50						
38.840	74.953		-.85			59	-6		12			2.50		2.45						
38.917	74.902		.06			60	-7		12			2.50		2.73						
38.990	74.855		-.44			60	-7		12			2.70		2.83						
39.072	74.803		.20			60	-7		12			2.50		2.83						
39.131	74.765		-.02			59	-6		12			2.50		2.57						
39.190	74.729		-.20			59	-7		12			2.50		2.37						
39.263	74.677		-.19			58	-6		14			2.25		2.53						
39.307	74.606		-.49			59	-7		14			2.50		2.83						
39.352	74.556		-.82			59	-7		14			2.37		2.47						
39.405	74.534		-.66			60	-9		13			2.25		2.35						

SUMMER 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
48.213	102.217					52		-6		-14			-2.43		-1.25					
48.216	102.332					53		-6		-15			-2.43		-1.15					
48.219	102.447					53		-5		-15			-2.50		-1.20					
48.224	102.560					53		-5		-15			-2.50		-1.30					
48.232	102.674					55		-7		-17			-2.50		-1.55					
48.239	102.787					54		-6		-16			-2.50		-1.55					
48.247	102.902					54		-6		-16			-2.50		-1.75					
48.253	103.013					54		-5		-16			-2.50		-1.80					
48.259	103.127					52		-4		-14			-2.50		-1.80					
48.260	103.241					53		-4		-15			-2.42		-1.80					
48.253	103.588					54		-4		-17			-2.10		-1.80					
48.246	103.704					53		-3		-16			-2.10		-1.80					
48.186	104.584																			
48.181	104.661																			
48.168	104.851																			
48.161	104.968																			
48.146	105.219	-1.41				55	-17	-3				.70	-.90							
48.139	105.315	-1.53				55	-17	-3				.70	-.90							
48.126	105.566	-1.34				55	-16	-2				.80	-.90							
48.133	105.682	-1.29				55	-16	-2				1.00	-.80							
48.140	105.799	-1.33				55	-16	-2				1.00	-.60							
48.149	105.915	-.94				54	-15	-0				1.05	-.25							
48.175	106.242	-.85		.73		52	-12	2		-12		1.45	.40		-.60		-.97		.29	
48.212	106.406	-.72		.01		55	-14	-1		-15		1.40	-.10		-.40		-.81		-.18	
48.215	107.035	-4.19		1.81		55	-13	0		-15		1.90	.40		-.90		-7.04		1.60	
48.301	107.599	-1.07		.88		53	-11	4		-15		1.95	.65		-.30		-1.27		.29	
48.311	107.714	-1.61		.80		53	-11	4		-15		2.20	.62		-.08		-1.60		-.00	
48.323	107.829	-1.04		.49		54	-12	4		-17		2.20	.70		-.24		-1.72		.03	
48.335	107.944	-1.87		.15		53	-10	5		-16		2.25	.55		-.10		-1.93		.10	
48.347	108.058	-1.95		.36		53	-10	5		-16		2.20	.50		0.00		-2.07		.17	
48.360	108.172	-1.50		.59		53	-10	5		-16		2.20	.46		-.18		-1.98		.35	
48.381	108.306	3.05		1.54		53	-10	6		-16		2.20	.40		-.30		-.83		.57	
48.407	108.477	1.87		1.57		52	-9	7		-15		1.90	1.00		-.30		-.80		-.23	
48.464	108.917	-.91		-.02		52	-9	7		-15		2.20	.82		0.00		-1.05		-.16	
48.481	109.032	-1.37		.09		52	-9	7		-15		1.90	.90		0.00		-1.47		-.15	
48.504	109.182	-2.46		-.22		52	-9	9		-14		1.90	.70		0.00		-2.54		-.61	
48.527	109.289	-2.10		.04		52	-10	8		-14		1.90	.58		.16		-2.86		-.48	
48.549	109.386	-1.76		-.49		52	-10	8		-14		1.90	.60		.27		-2.09		-.68	
48.539	109.517	-2.13		-.24		52	-10	8		-14		1.90	.80		.40		-1.86		-.06	
48.507	109.618	-2.41		-.01		52	-10	8		-14		1.90	.64		.40		-2.07		.30	
48.449	109.699	-2.50		1.02		53	-11	8		-15		1.90	.40		.40		-2.33		.48	
48.398	109.787	-2.09		1.25		53	-11	8		-14		1.90	.75		.40		-2.38		.32	
48.364	109.886	-1.52		1.07		53	-11	9		-14		1.90	.90		.40		-2.31		.52	
48.335	109.992	-2.15		1.54		53	-11	9		-14		1.90	.80		.40		-2.41		.44	
48.303	110.098	-2.66		.69		53	-11	9		-14		1.90	.70		.40		-2.48		.48	
48.261	110.194	-2.56		.88		52	-10	10		-13		1.90	.75		.40		-2.43		.41	
48.211	110.303	-2.54		.16		52	-10	10		-12		1.90	.95		.33		-2.42		.07	
48.170	110.378	-2.57		.12		53	-10	9		-13		1.85	.75		.27		-2.42		-.30	
48.121	110.467	-2.51		-.57		53	-9	8		-13		1.80	.45		.20		-2.34		-.52	

SUMMER 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
48.068	110.553	-2.55		-.51		52	-8	9		-11		1.85	.45		.07		-2.49		-.62	
48.016	110.640	-2.60		-.47		52	-8	9		-11		1.90	.38		.33		-2.47		-.60	
47.961	110.725	-2.54		-.43		53	-8	9		-11		1.65	.60		.40		-2.53		-.63	
47.907	110.810	-2.11		.23		53	-8	9		-11		1.60	.65		.50		-2.50		-.56	
47.852	110.895	-2.42		-.49		53	-8	9		-11		1.65	.50		.75		-2.41		-.77	
47.793	110.972	-1.93		-.04		53	-8	9		-10		1.60	.60		.85		-2.50		-.82	
47.732	111.048	-1.81		-.20		53	-8	10		-9		1.60	.46		.88		-2.39		-.91	
47.672	111.123	-2.17		-.80		53	-8	10		-9		1.65	.45		1.00		-2.35		-.98	
47.611	111.198	-2.30		-.95		54	-9	9		-9		1.85	.40		1.00		-2.45		-.95	
47.551	111.274	-2.53		-.34		54	-9	9		-9		1.90	.65		1.05		-2.72		-.58	
47.491	111.350	-2.40		-.28		54	-9	9		-9		1.90	.65		1.40		-2.59		-.23	
47.459	111.452	-1.18		.35		54	-9	8		-9		1.90	.46		1.66		-1.98		-.17	
47.483	111.561	-1.82		.23		53	-9	9		-10		1.90	.20		1.90		-2.13		.03	
47.513	111.668	-1.82		.28		53	-9	10		-10		1.90	.40		1.90		-2.37		-.15	
47.545	111.774	-2.47		-.19		53	-9	10		-10		1.80	.38		1.90		-2.52		-.42	
47.576	111.880	-2.23		-.05		53	-10	10		-11		1.70	.33		1.90		-2.27		.02	
47.607	111.986	-2.19		.85		53	-10	10		-11		1.60	.33		1.90		-1.95		.75	
47.638	112.112	-2.29		1.18		53	-10	10		-11		1.65	.13		1.90		-2.20		.52	
47.664	112.223	-2.16		.85		52	-10	10		-10		1.70	.03		1.90		-1.91		.57	
47.691	112.333	-1.22		1.33		51	-9	11		-9		1.60	-.25		1.85		-1.71		.90	
47.718	112.443	-1.12		1.31		52	-10	10		-10		1.60	-.20		1.70		-1.84		.91	
47.738	112.557	-2.62		1.05		52	-10	10		-11		1.60	-.30		1.60		-2.53		.60	
47.749	112.673	-1.21		2.56		53	-13	9		-13		1.60	-.05		1.60		-1.91		1.42	
47.763	112.789	-1.94		1.55		53	-14	9		-17		1.60	-.30		1.60		-1.94		1.04	
47.780	112.906	-1.03		.89		53	-14	9		-18		1.82	-.15		1.60		-1.89		.83	
47.767	113.017	-1.27		1.21		52	-13	11		-18		1.66	-.18		1.60		-1.76		1.21	
47.761	113.132	-1.14		.54		52	-13	11		-18		1.90	-.08		1.60		-1.27		.33	
47.836	113.262	-1.87		.80		51	-12	12		-18		1.90	-.60		1.60					
47.887	113.350	-1.91		7.92 a,h		52	-14	12		-20		1.90	-.60		1.60		-2.14		-1.48	
47.935	113.442	-1.09		15.76		53	-15	12		-21		1.90	-.45		1.60					
47.982	113.557	-2.30		19.91		53	-15	13		-22		1.90	-.30		1.60					
47.993	113.590	-4.53				57	-19	10				1.90	.70							
47.728	116.365 g	-4.10				g 69 d	-19	12				2.10	1.10				-4.33 g	1.18		
47.708	116.462	-4.82				70	-19	12				2.74	1.66							
47.683	116.595	-4.28	1.13			68	-17	14	-23 d			2.60	1.65	1.07						
47.667	116.710	-3.68	1.08			69	-16	14	-22			1.60	1.60	1.48			-3.69	1.35		
47.664	116.829	-3.23	1.25			70	-16	13	-21			1.35	1.60	1.45			-3.45	1.35		
47.664	116.944	-3.07	1.17			71	-16	13	-22			1.60	1.60	1.40			-3.31	1.22		
47.662	117.060	-2.79	1.41			72	-17	14	-22			1.45	1.90	1.75			-3.30	1.11		
47.660	117.175	-3.10	1.04			73	-18	13	-22			1.60	1.90	1.80			-3.11	1.14		
47.663	117.272	-2.30	1.22			74	-19	13	-23			1.72	2.02	1.96			-2.91	1.18		

SUMMER 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
47.508	117.813	-3.46	.42	1.38		81 b	-23 b	11	-27 b	-37 b		1.54	2.08	.88	-.30		-3.62		1.46	
47.491	117.892	-3.27	.32	1.32		81	-23	11	-27	-37		1.54	2.60	1.18	-.30		-3.45		1.66	
47.482	117.967	-3.12	.36	1.91		82	-24	11	-28	-38		1.40	2.45	1.25	-.50		-3.18		1.99	
47.469	118.052	-2.89	.73	2.02		82	-24	11	-28	-38		1.30	2.20	1.05	-.60		-3.03		2.23	
47.470	118.142	-3.42	.55	3.04		83	-25	11	-29	-39		1.30	2.50	.90	-.60		-3.38		2.38	
47.475	118.234	-2.90	.74	1.96		84	-26	11	-29	-40		1.45	2.50	.80	-.60		-2.83		2.41	
47.479	118.327	-2.73	.74	2.25		84	-25	11	-30	-40		1.45	2.45	1.15	-.60		-2.70		2.21	
47.482	118.425	-2.61	.84	2.17		84	-25	11	-30	-40		1.55	2.20	1.10	-.60		-2.69		2.07	
47.478	118.522	-2.96	.75	2.09		85	-26	10	-31	-41		1.50	2.20	.70	-.45		-2.85		1.87	
47.472	118.620	-2.78	.79	1.93		85	-26	11	-30	-41		1.60	2.25	.70	-.35					
47.459	118.717	-2.72	1.38	2.24		86	-27	11	-31	-42		1.25	2.20	.95	-.55			1.01	1.63	
47.444	118.821	-1.97	1.56	2.28		87	-28	11	-32	-42		.80	2.20	1.25	-.55			1.13	1.78	
47.430	118.929	-2.38	1.25	1.90		87	-28	12	-32	-42		1.00	2.40	1.45	-.35			1.35	1.95	
47.415	119.038	-2.06	1.48	2.08		86	-27	13	-31	-41		1.15	2.50	1.00	-.25			1.55	2.16	
47.402	119.147	-1.82	1.67	2.06		87	-28	13	-32	-42		1.30	2.50	.95	-.15			1.59	2.35	
47.391	119.257	-1.78	1.63	2.18		89	-31	12	-34	-44		1.10	2.50	.80	0.00			1.62	2.18	
47.380	119.364	-2.28	2.03	2.10		90	-31	13	-35	-45		1.30	2.50	.65	.13			1.40	2.00	
47.377	119.475	-2.48	1.21	2.00		91	-32	12	-37	-46		1.55	2.98	.60	0.00			1.29	1.74	
47.377	119.586	-1.99	1.84	2.08		92	-33	13	-37	-47		1.30	3.20	.90	0.00			1.24	1.65	
47.378	119.696	-2.80	1.17	1.89		93	-34	12	-38	-48		1.30	3.25	.85	.13			1.26	2.02	
47.379	119.808	-2.52	1.75	2.39		94	-36	11	-40	-49		1.10	3.50	1.25	.13			1.46	2.16	
47.380	119.919	-2.86	1.52	2.36		95	-37	11	-41	-49		.95	3.35	1.30	-.10			1.60	2.05	
47.382	120.029	-3.15	1.40	1.86		95	-37	10	-42	-49		1.15	3.20	1.15	-.30			1.47	1.81	
47.383	120.141	-3.26	1.56	1.32		95	-38	8	-42	-49		1.10	3.20	.75	-.30			1.50	1.60	
47.385	120.253	-3.04	1.35	1.85		95	-37	7	-41	-50		1.35	2.95	.65	-.30			1.50	1.80	
47.387	120.364	-2.82	1.78	2.56		94	-37	7	-40	-49		1.30	2.50	.45	-.30			1.52	1.84	
47.387	120.459	-2.73	1.53	2.12		94	-36	5	-40	-49		.88	2.50	.24	-.06			1.65	1.79	
47.386	120.587	-2.98	1.51	1.64		93	-35	4	-40	-48		1.25	2.50	.27	0.00			1.62	1.49	
47.387	120.695	-2.43	1.52	1.56		93	-35	3	-42	-47		1.25	2.35	-.30	-.10			1.58	1.46	
47.389	120.806	-2.16	1.65	1.95		92	-35	3	-41	-46		1.55	2.30	-.55	-.30			1.93	1.49	
47.388	120.916	-2.31	2.00	1.49		92	-35	2	-43	-47		1.45	2.50	0.00	-.30			2.21	1.36	
47.389	121.028	-2.48	1.91	1.35		91	-35	1	-44	-46		1.20	2.30	0.00	-.30					
47.391	121.138	-2.76	1.80	1.36		90	-36	1	-45	-46		.95	1.95	-.25	-.05		-2.81	-7.80 a		
47.393	121.251	-2.57	1.88	1.45		89	-36	1	-48	-45		.38	1.70	-.35	0.00		-2.91	-7.56	1.75	
47.396	121.363	-2.90	1.91	1.58		88	-36	0	-49	-45		-.10	1.80	-.60	0.00		-3.16	-8.18	1.64	
47.397	121.474	-2.56	1.16	1.74		87	-36	0	-50	-45		-.05	1.60	-.60	0.00		-2.84		1.49	
47.396	121.585	-2.89	.70	1.95		86	-37	1	-50	-44		-.30	1.42	-.60	0.00		-2.87		1.97	
47.400	121.697	-3.24	.48	1.16		85	-36	1	-50	-45		-.45	1.80	-.60	0.00					
47.407	121.808	-2.98	.29	1.48		83	-35	1	-48	-45		-.70	1.45	-.85	-.30					
47.414	121.923	-2.58	1.48	2.19		82	-35	1	-47	-44		-.80	1.30	-.90	-.30					
47.422	122.036	-2.22	1.89	2.09		82	-35	1	-47	-44		-.90	.95	-.90	-.30					
47.430	122.149	-3.01	2.08	1.34		81	-35	2	-46	-44		-.90	1.20	-.90	-.30					
47.427	122.259	-3.15	.92	4.51		80	-35	2	-45	-44		-.90	.95	-.90	-.30					
47.367	122.301	-2.67	1.00	31.32 a		79	-33	4	-44	-45		-.90	.85	-.90	-.30					
47.297	122.313	-2.77	1.62	68.09		78	-31	4	-41	-46		-.90	1.10	-.90	-.30					
47.226	122.324	-2.70	1.10	91.90		77	-29	6	-40	-46		-.85	1.15	-.90	-.30					
47.160	122.334	-2.92	1.70			76	-27	7	-38			-.70	1.35	-.90						
47.094	122.342	-3.33	1.14			75	-26	7	-36			-.60	1.25	-.90						
47.027	122.351	-3.85	1.14			73	-24	8	-33			-.60	.75	-.90						

SUMMER 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
46.950	122.362	-2.96	.98			68 b	-19 b	12	-28 b			-.50	.45	-.65						
46.892	122.370	-3.16	1.14			68	-19	12	-28			-.60	.65	-.60						
46.820	122.386	-2.70	1.52			68	-19	11	-27			-.60	.85	-.60						
46.751	122.401	-2.73	2.08			68	-19	10	-26			-.60	.20	-.60						
46.681	122.417	-2.73	1.26			68	-19	9	-26			-.60	-.50	-.60						
46.623	122.429	-3.13	1.12			68	-18	10	-25			-.78	-.48	-.60			-3.62	1.29		
46.540	122.416	-3.29	1.07			68	-18	11	-24			-.70	-.55	-.80			-3.31	1.22		
46.475	122.365	-2.84	.37			68	-18	11	-23			-.60	-.50	-.90			-3.09	.85		
46.415	122.302	-2.15	.51			69	-19	11	-24			-.45	0.00	-.90			-2.68	.75		
46.351	122.243	-2.80	.72			69	-18	12	-24			-.60	.40	-1.05			-2.78	.68		
46.289	122.181	-2.09	.71			69	-18	11	-25			-.55	.70	-1.20			-2.40	.75		
46.225	122.133	-1.98	1.28			69	-18	11	-26			-.30	1.10	-1.30			-2.37	1.11	1.27	
46.172	122.195	-1.94	.59			70	-18	10	-28			-.30	1.50	-1.30			-2.12	.69		
46.129	122.278	-1.49	.97			69	-18	11	-28			-.30	1.35	-1.50			-2.22	1.02		
46.084	122.360	-2.11	1.05			69	-17	10	-25			-.30	1.25	-1.35			-2.57	.94		
46.038	122.443	-3.29	.94			69	-17	9	-22			-.30	1.00	-1.30			-3.64	.97		
45.994	122.526	-3.76	.94			68	-16	9	-19			-.20	.13	-1.20			-3.65	.75		
45.927	122.550	-3.74	.72			68	-16	10	-17			-.30	.27	-1.20			-3.44	.71		
45.856	122.562	-2.80	.87			67	-14	12	-15			-.25	.75	-1.20			-2.99	.89		
45.785	122.576	-1.90	.93			68	-15	10	-16			-.20	.85	-1.20			-2.52	.91		
45.715	122.589	-2.08	.87			68	-15	9	-16			-.05	.55	-1.05			-2.20	.87		
45.645	122.606	-1.94	.87			68	-15	8	-15			.07	.27	-.90			-2.17	.98		
45.571	122.605	-2.82	.91			67	-15	8	-14			.07	-.30	-.90			-3.21	.98		
45.498	122.595	-2.14	.73			67	-15	8	-14			-.10	-.55	-.90			-2.60	.92		
45.426	122.585	-2.32	.92			67	-15	9	-14			-.20	-.25	-.80			-2.41	.97		
45.354	122.582	-2.09	1.27			67	-25	11	-14			-.30	.58	-.65			4.08 a	7.70 a		
45.281	122.589					67	d	12	-15				1.25	-.65			7.35	11.09		
45.209	122.596					66		12	-15				1.45	-.70			7.39	10.98		
45.135	122.604					67		10	-16				1.05	-.65			7.35	10.99		
45.062	122.610					67		10	-16				1.20	-.75			7.35	11.11		
44.989	122.618					67		10	-15				1.30	-1.10			7.34	11.09		
44.915	122.627					66		10	-14				1.35	-1.15						
44.848	122.657					67		10	-15				1.60	-.90						
44.785	122.710	-2.53	.86			66	-10	10	-13			-2.50	1.60	-.85			-3.02	1.09		
44.723	122.762	-3.32	.88			66	-9	9	-13			-2.43	1.45	-.60			-3.02	.79		
44.662	122.816	-2.91	.96			66	-9	8	-12			-2.32	1.30	-.70			-2.97	.66		
44.600	122.871	-2.45	.66	1.41		67	-10	7	-13	-29 d		-1.35	1.30	-.65	1.66		-2.80	.66		
44.527	122.932	-2.52	1.11	1.98		67	-10	7	-13	-29		-.60	1.30	-.60	1.80		-2.48	.69		
44.464	122.981	-3.57	.52	1.43		66	-19	8	-11	-28		-.30	1.30	-.60	1.73		-2.64	.44		
44.388	123.036					66	d	8	-10	-28			1.30	-.25	1.65					
44.324	123.083					66		8	-10	-28			1.30	-.15	1.80					
44.257	123.124					65		8	-9	-27			1.20	-.20	1.80					
44.190	123.165					65		8	-9	-27			1.10	.13	1.90					
44.133	123.198					65		8	-8	-26			1.30	.55	1.90					
44.078	123.194					65		7	-9	-26			.90	.80	1.90					
44.083	123.049					64		7	-7	-25			.20	.95	1.90					
44.099	122.940					64		6	-8	-25			0.00	.80	2.00					
44.114	122.829					63		6	-8	-24			-.40	.50	2.20					
44.124	122.716					63		8	-8	-24			-.45	.02	2.20					

SUMMER 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
44.134	122.603					63	d	10	-9	-23	d		-.10	-.50	2.20					
44.147	122.491					64		11	-9	-24			.60	-.80	2.20					
44.157	122.378	-2.83				63		10	-7	-23			.80	-.65	2.20					
44.169	122.266	-2.65	.57	1.61		64	-5	9	-10	-24		.55	.65	-.65	2.20					
44.183	122.153	-2.03	.61	1.92		63	-1	10	-12	-22		.80	.27	-.95	2.10					

SUMMER 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
45.344	107.387	-.99	1.36	.39		48	0	8	-9	-1		1.20	.55	.50	1.30		-1.32		.42	
45.273	107.342	-.71	1.48	.47		49	-1	8	-10	-2		1.30	.43	.55	1.45		-1.11		.70	
45.203	107.291	-.96	1.43	.85		49	-2	8	-10	-3		1.30	.45	.40	1.30		-1.15		.68	
45.134	107.239	-.88	1.48	.57		49	-2	7	-9	-3		1.30	.05	.40	1.30		-1.12		.81	
45.066	107.187	-.58	1.73	.58		49	-2	8	-9	-3		1.30	.50	.50	1.35		-.95		.66	
44.997	107.135	-.55	1.75	.85		49	-2	7	-9	-3		1.55	.90	.70	1.30		-.94		.43	
44.928	107.088	-.98	1.86	.78		49	-2	6	-9	-4		1.60	.70	.50	1.30		-.86		.26	
44.856	107.046	-.68	1.64	.30		48	-2	4	-8	-4		1.50	.15	.40	1.05		-.64		.36	
44.822	106.957	-.54	1.32	.17		48	-3	3	-10	-5		1.30	-.20	.40	1.25		-.46		-.02	
44.819	106.844	-1.19	1.65	.16		48	-3	4	-10	-5		1.30	-.30	.40	1.00		-.77		.25	
44.793	106.736	-1.14	1.81	.42		48	-3	4	-10	-5		1.30	-.10	.40	1.05		-.84		.65	
44.763	106.630	-.26	1.92	.54		48	-3	4	-10	-5		1.20	0.00	.40	1.20		-.69		.62	
44.740	106.521	-.53	2.32	.81		49	-4	4	-11	-5		1.25	.27	.45	1.30		-.68		.26	
44.716	106.412	-.52	2.56	.14		49	-4	3	-11	-4		1.30	-.05	.40	1.30		-.66		.06	
44.692	106.302	-.59	2.50	.23		48	-3	4	-10	-1		1.45	.08	.40	1.30		-.67		-.13	
44.670	106.191	-.50	2.49	-.09		49	-3	4	-11	-1		1.30	.33	.40	1.20		-.72		-.09	
44.649	106.080	-.50	2.29	.17		49	-3	3	-11	0		1.30	.50	.70	1.25		-.67		.15	
44.628	105.970	-.36	2.39	.40		49	-3	3	-11	0		1.55	.55	.70	1.55		-.39		.58	
44.610	105.858	-.85	1.83	.19		49	-9	4	-11	1		1.60	.50	.55	1.85		-.90		.27	
44.591	105.745	-.77	2.01	.16		49	-5	3	-11	0		1.60	.95	.55	1.70		-.92		.09	
44.571	105.636	-1.04	2.09	.15		49	-3	3	-11	1		1.30	.80	.40	1.90		-.96		-.11	
44.547	105.525	-1.07	2.00	-.13		49	-2	3	-11	-1		1.30	.65	.45	1.90		-.96		-.22	
44.525	105.416	-1.03	1.83	-.28		49	-2	3	-11	-1		1.30	.65	.40	1.85		-.86		-.29	
44.502	105.307	-.75	1.65	-.11		49	-2	3	-11	-2		1.30	.65	.40	1.85		-.99		-.38	
44.480	105.197	-.83	1.49	-.28		50	-3	3	-12	-2		1.35	.60	.40	1.90		-.94		-.41	
44.459	105.087	-.56	1.57	-.47		49	-2	2	-11	-1		1.55	.40	.40	1.80		-.68		-.81	
44.438	104.960	-.01	1.57	-1.07		49	-2	3	-12	-0		1.80	.40	.40	1.60		-.06		-1.30	
44.421	104.869	.28	1.61	-1.31		50	-3	2	-13	-1		1.65	.40	.40	1.45		.26		-1.40	
44.400	104.759	-.51	1.66	-.97		50	-3	2	-13	-1		1.80	.33	.50	1.30		.11		-1.27	
44.372	104.652	-.28	1.94	-.78		49	-2	2	-12	-0		1.60	.45	.45	1.05		-.29		-.94	
44.347	104.545	-.25	2.15	-.45		49	-2	2	-12	-1		1.60	.70	.45	1.00		-.29		-.70	
44.323	104.436	.18	2.12	-.70		49	-2	2	-12	-1		1.70	.40	.70	1.20		.05		-.69	
44.292	104.330	.88	2.11	-.50		49	-2	2	-12	-1		1.60	.55	.55	1.45		.25		-.59	
44.281	104.216	.81	2.11	-.92		49	-2	2	-12	-1		1.75	.45	.70	1.70		.77		-.71	
44.242	104.115	-.96	2.01	.20		49	-2	1	-12	-1		1.70	.33	.70	1.65		-1.06		.13	
44.219	104.009	-.74	2.08	.08		49	-2	1	-12	-2		1.60	.13	.65	1.75		-.90		.01	
44.194	103.903	-.99	2.05	.14		49	-2	1	-12	-2		1.65	.20	.45	1.40		-1.07		.28	
44.170	103.796	-.98	1.84	.44		49	-3	0	-12	-2		1.60	.40	.55	1.30		-1.02		.34	
44.147	103.689	-.72	1.68	.38		49	-3	-0	-12	-3		1.60	.50	.65	1.10		-.88		.34	
44.121	103.582	-.88	1.55	.50		49	-4	-1	-12	-3		1.60	.90	.70	1.10		-.94		.42	
44.095	103.475	-.91	1.58	.46		49	-5	-2	-12	-3		1.50	.90	.70	1.00		-.90		.39	
44.065	103.371	-1.28	1.50	.58		49	-5	-2	-12	-4		1.60	.95	.70	1.15		-.85		.31	
44.035	103.265	-.81	1.45	.37		49	-6	-3	-12	-4		1.60	1.00	.70	1.00		-.97		.32	
44.006	103.158	-.77	1.40	.49		49	-6	-3	-12	-5		1.60	.90	.70	1.00		-1.04		.37	
43.986	103.050	-.47	1.04	.56		49	-6	-3	-12	-5		1.60	1.12	.70	1.00		-1.02		.41	
43.986	102.938	-.74	1.55	.60		49	-6	-4	-13	-5		1.60	1.05	.70	1.05		-1.12		.46	
43.995	102.829	-1.28	1.45	.31		50	-7	-4	-14	-5		1.30	1.00	.70	1.30		-1.23		.33	
43.997	102.719	-1.39	1.44	.36		49	-6	-3	-13	-4		1.45	.80	.70	1.30		-1.11		.32	
43.999	102.608	-1.17	1.52	.51		49	-6	-3	-13	-4		1.30	.70	.70	1.30		-1.14		.45	

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SUMMER STABILITY TABLE - 9940 CHAIN - SEGMENT 5

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
44.001	102.498	-1.06	1.48	.61		49	-6	-3	-13	-3		1.55	.70	.70	1.30		-1.03		.66	
44.005	102.386	-.96	1.40	.69		49	-6	-3	-13	-3		1.60	.40	.70	1.05		1.13		.83	
44.010	102.276	-.88	1.47	.87		49	-6	-3	-13	-3		1.60	.40	.70	1.00		-1.11		.83	
44.015	102.165	-.90	1.51	.98		50	-7	-4	-14	-4		1.60	.40	.70	1.20		-1.08		.84	
44.025	102.055	-.66	1.48	.64		49	-6	-3	-13	-4		1.55	.07	.70	1.05		-1.12		.72	
44.037	101.947	-.92	1.59	.96		48	-5	-2	-12	-3		1.45	.07	.70	1.05		-1.37		.85	
44.051	101.839	-1.11	1.61	1.00		49	-6	-3	-13	-4		1.45	.40	.70	1.15		-1.41		.94	
44.063	101.726	-1.31	1.47	1.06		48	-5	-2	-12	-3		1.30	.40	.80	1.15		-1.27		.88	
44.077	101.619	-1.10	1.52	.75		49	-6	-3	-13	-4		1.10	.13	.70	1.00		-1.31		.95	
44.085	101.512	-1.57	1.48	1.07		50	-7	-4	-15	-5		1.00	.20	1.00	1.00		-1.46		.86	
44.092	101.403	-1.46	1.60	1.20		50	-8	-4	-15	-5		1.00	.07	.75	.95		-1.38		.97	
44.101	101.295	-.89	1.74	.75		49	-7	-3	-14	-5		1.00	0.00	.70	1.00		-1.20		.84	
44.118	101.189	-.87	1.91	.60		49	-7	-3	-14	-5		1.00	0.00	.70	1.00		-1.21		.77	
44.147	101.087	-1.25	1.99	.46		50	-8	-4	-15	-6		1.00	-.12	.70	1.00		-1.26		.87	
44.179	100.990	-1.22	1.87	.69		49	-7	-4	-14	-5		1.00	-.30	1.00	1.00		-1.25		.80	
44.212	100.891	-1.08	1.48	.69		50	-8	-5	-15	-7		1.00	0.00	.85	1.00		-1.24		.79	
44.245	100.791	-1.23	1.45	.77		50	-12	-5	-15	-7		.75	-.10	.75	1.00		-1.14		.81	
44.276	100.689	-1.72	1.31	.65		50	-15	-5	-15	-7		.92	-.08	.70	1.00		-1.30		.63	
44.300	100.583	-1.49		1.06		50	-14	-6		-7		.82	.40		1.06		-1.59		.82	
44.322	100.477	-1.61		.99		50	-13	-6		-7		.76	.32		1.00		-1.60		.56	
44.345	100.370	-1.47		.94		50	-12	-6		-7		.70	.40		1.00		-1.51		.58	
44.366	100.265	-1.58		.64		50	-12	-6		-8		.70	.40		1.00		-1.72		.51	
44.388	100.159	-2.18		.60		50	-12	-7		-8		.70	.40		.95		-1.69		.64	
44.362	100.061	-1.38		.77		50	-12	-7		-8		.70	.20		.70		-1.90		.61	
44.334	99.955	-1.71		-.27		50	-12	-7		-9		.70	0.00		.90		-1.27		.45	
44.310	99.849	-1.20		.68		50	-12	-7		-9		.70	-.30		.70		1.50		.87	
44.284	99.745	-1.49		.95		51	-13	-8		-10		.70	-.30		.70		-1.38		.89	
44.253	99.643	-1.59		1.25		50	-12	-8		-10		.70	-.30		.75		-1.59		1.05	
44.224	99.537	-1.29		1.53		50	-12	-8		-10		.70	-.30		.75		-1.56		1.03	
44.195	99.432	-1.12		1.26		50	-12	-8		-10		.70	-.30		.70		-1.50		1.11	
44.168	99.329	-1.16		1.06		50	-12	-8		-11		.70	-.30		.70		-1.42		1.04	
44.140	99.223	-.84		1.36		50	-12	-9		-11		.70	-.30		.70		-1.12		1.23	
44.111	99.119	-1.29		1.47		51	-13	-10		-12		.70	-.30		.70		-1.25		1.62	
44.081	99.016	-1.54		1.93		51	-13	-10		-12		.70	-.50		.70		-1.19		1.90	
44.049	98.916	-.95		2.49		50	-12	-9		-11		.70	-.65		.70		-1.19		2.04	
44.018	98.813	-.82		2.39		50	-12	-9		-11		.70	-.60		.70		-1.08		2.27	
43.989	98.710	-.46		2.33		50	-12	-9		-11		.50	-.60		.70		-.95		2.23	
43.953	98.609	-1.01		2.22		50	-12	-9		-12		.65	-.70		.65		-1.15		2.67	
43.921	98.507	-1.16		2.14		51	-13	-10		-13		.45	-.75		.40		-1.27		2.52	
43.890	98.403	-1.01		2.32		51	-13	-11		-13		.40	-.85		.45		-1.17		2.53	
43.857	98.302	-1.12		2.39		51	-13	-11		-14		.70	-.60		.70		-1.16		2.72	
43.824	98.199	-1.20		2.40		50	-12	-10		-13		.70	-.60		.50		-1.15		2.87	
43.791	98.096	-.38		3.13		51	-15	-11		-14		.60	-.60		.40		-1.71		2.25	
43.772	97.987	-.51		1.99		50	-17	-11		-14		.40	-.60		.40		-1.02		2.39	
43.766	97.879	-.83		2.59		50	-17	-11		-14		.55	-.60		.40		-.95		2.68	
43.753	97.767	-1.19		2.71		50	-17	-11		-14		.40	-.60		.40		-1.14		2.65	
43.742	97.657	-1.25		2.59		50	-17	-11		-14		.40	-.60		.40		-1.30		2.55	
43.729	97.548	-1.32		2.32		50	-17	-12		-14		.40	-.60		.40		-1.06		2.65	
43.714	97.438	-1.20		2.45		50	-17	-12		-14		.40	-.60		.40		-1.17		2.63	

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SUMMER 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
43.698	97.327	-1.19		2.24		54	-21	-16		-19		.40	-.60		.40		-1.25		2.63	
43.686	97.218	-.95		2.00		56	-23	-18		-21		.40	-.60		.13		-.67		2.72	
43.674	97.108	-.55		2.00		51	-18	-13		-16		.40	-.65		.33		-1.14		2.45	
43.674	97.000	-.48		1.45		51	-17	-12		-16		.40	-.90		0.00		-1.24		2.46	
43.672	96.891					52		-16		-18			-.70		0.00		-1.27		2.63	
43.670	96.783					54		-16		-20			-.70		0.00		-.68		2.05	
43.668	96.677					52		-16		-18			-.90		0.00					
43.653	96.570					56		-19		-22			-.90		0.00					
43.632	96.468					58		-21					-.90							
43.636	96.361																			
43.645	96.256																			
43.652	96.149																			
43.651	96.040																			

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SUMMER 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
41.058	101.179																			
41.060	101.281																			
41.061	101.384																			
41.062	101.485																			
41.063	101.588																			
41.065	101.690																			
41.066	101.792																			
41.069	101.891																			
41.071	101.994																			
41.075	102.114					50				-10					-2.50					
41.077	102.197					51				-11					-2.50					
41.084	102.297					51				-11					-2.50					
41.094	102.398					51				-10					-2.50					
41.100	102.494					50				-10					-2.50					
41.102	102.595					50				-10					-2.50					
41.101	102.699					50				-10					-2.50					
41.097	102.802					51				-10					-2.50					
41.092	102.904					50				-9					-2.50					
41.093	103.007					50				-9					-2.50					
41.098	103.108					50				-8					-2.50					
41.110	103.206					50				-7					-2.50					
41.122	103.308					50				-6					-2.17					
41.134	103.408					50				-5					-2.10					
41.146	103.509					50		-8		-5					-2.10					
41.157	103.609					50		-8		-5			-1.95		-2.10					
41.163	103.712					50		-8		-5			-1.80		-2.10					
41.168	103.818					50		-7		-4			-1.85		-1.95					
41.171	103.921	-.96				50		-7		-4			-1.70		-1.65					
41.174	104.024	-.84		-.22		49	-6	-6		-3		-.65	-1.45		-1.25					
41.176	104.125	-.67		-.04		50	-7	-7		-3		-.70	-1.20		-.80					
41.180	104.222	-.96		-.10		50	-7	-7		-3		-.55	-1.60		-.40					
41.186	104.324	-1.02		-.51		50	-6	-7		-3		-.25	-1.95		-.70					
41.191	104.424	-1.45		-.75		49	-5	-6		-3		-.30	-1.55		-.80					
41.197	104.523	-1.12		-.49		50	-5	-7		-3		.33	-1.75		-.20					
41.204	104.638	-.75		-.56		50	-5	-7		-3		.80	-1.50		-.40					
41.209	104.721	-1.51		-.26		50	-5	-7		-2		.88	-1.56		.02					
41.216	104.820	-.43		-.31		49	-4	-6		-1		.75	-1.55		-.15					
41.231	104.918	-.12		-.57		49	-4	-5		-1		.85	-1.35		0.00					
41.248	105.014	-.14		-.34		49	-3	-5		-1		.90	-1.20		0.00					
41.265	105.109	-.64		-.32		50	-4	-6		-2		1.00	-1.15		.13					
41.281	105.205	-.44		-.12		49	-3	-5		-0		1.05	-.95		.13					
41.296	105.303	-.25		-.48		50	-3	-6		0		1.45	-.75		.40					
41.304	105.401	-.06		-.44		49	-1	-4		3		1.65	-.80		.08					
41.315	105.499	-.48	1.41	-.38		49	0	-4	-12	3		1.80	-.80	.40	.27					
41.326	105.597	.29	1.28	-.02		48	1	-3	-11	4		1.90	-.40	.40	.22					
41.335	105.693	.48	1.94	.74		48	2	-4	-11	4		1.85	0.00	.40	-.25					
41.354	105.787	1.09	1.33	.31		49	1	-5	-12	3		2.05	.07	.27	.43					
41.373	105.881	.97	1.34	.56		49	1	-6	-11	4		1.95	.27	.27	.60					
41.392	105.977	.75	1.52	1.20		49	1	-6	-11	4		1.95	.40	.07	.60		6.34		.59	

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SUMMER 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
41.409	106.072	1.41	1.55	.84		49	1	-6	-11	4		1.45	.40	.13	.95		1.47		.86	
41.421	106.169	1.20	1.56	1.72		49	2	-6	-11	5		1.20	.40	.13	1.20		1.30		1.29	
41.435	106.267	1.45	1.69	1.33		50	3	-7	-10	4		1.55	.40	0.00	1.10		1.38		1.29	
41.448	106.367	1.68	1.56	1.25		50	4	-7	-9	6		1.80	.40	.13	.90		1.49		1.30	
41.470	106.463	1.97	1.37	1.25		50	3	-7	-8	5		1.95	.45	.20	.90		1.77		1.21	
41.495	106.559	2.25	1.47	1.13		50	4	-6	-7	6		1.85	.75	.33	.75		2.16		.87	
41.520	106.651	1.90	1.31	1.24		49	5	-5	-6	7		1.65	.70	.33	1.00		1.66		1.18	
41.548	106.743	.98	1.48	1.56		49	5	-5	-5	7		1.10	.85	.27	.55		1.07		1.50	
41.570	106.837	1.15	2.17	1.75		50	4	-6	-6	6		1.15	.80	.40	.85		.97		1.40	
41.594	106.931	1.32	1.62	1.36		49	5	-5	-5	7		1.00	.77	.40	1.07		1.12		1.38	
41.613	107.011	1.04	1.57	1.70		49	5	-5	-5	7		.70	.85	.20	1.00		.89		1.10	
41.637	107.123	.74	1.51	1.32		50	4	-5	-6	6		.90	1.00	-.10	.70		1.01		1.42	
41.658	107.215	1.08	1.48	1.34		50	4	-5	-5	6		.80	1.00	-.05	.55		.80		1.45	
41.684	107.308	.82	1.44	1.60		50	5	-4	-5	6		.55	.85	-.20	.30		.66		1.68	
41.707	107.402	.57	1.58	1.41		50	5	-4	-5	6		.40	.45	-.30	.08		.51		1.56	
41.728	107.497	.63	1.68	1.51		50	5	-3	-4	6		.85	.40	-.25	-.35		.39		1.45	
41.748	107.592	.11	1.73	1.75		50	5	-3	-4	6		1.00	.33	-.05	-.15		.24		1.60	
41.730	107.686	.98	1.83	1.45		50	6	-2	-4	6		1.10	0.00	.27	-.45		.63		1.47	
41.727	107.802	.62	1.73	1.26		51	6	-2	-4	6		1.35	.40	.45	-.28		.82		1.34	
41.722	107.902	.93	1.70	1.37		50	6	-0	-3	6		1.65	.33	.70	.50		.79		1.33	
41.712	108.003	.82	1.70	1.22		50	6	-1	-3	7		1.50	0.00	.70	.50		.81		1.21	
41.697	108.103	.80	2.14	1.61		50	6	-1	-3	8		1.40	-.35	.75	.80		.67		1.13	
41.682	108.203	.74	1.63	1.26		50	7	-1	-3	8		1.50	-.60	.70	.37		.55		1.23	
41.667	108.303	.64	1.61	1.36		50	7	-1	-2	8		1.00	-.65	.55	.50		.43		1.34	
41.652	108.402	.51	1.63	1.99		50	7	-1	-2	8		1.25	-.80	.40	.75		.27		1.57	
41.638	108.504	.46	1.64	1.67		50	7	1	-2	8		1.45	-.60	.40	.45		.30		1.73	
41.624	108.604	.48	1.63	1.89		50	7	1	-2	8		1.55	-.15	.45	.40		.11		1.91	
41.618	108.707	.75	1.63	2.35		50	8	1	-2	8		1.40	-.55	.70	-.30		.47		1.91	
41.612	108.808	.46	1.60	2.07		50	8	-0	-2	7		1.35	-.90	1.00	-.28		.32		2.03	
41.598	108.909	.29	1.56	2.27		50	8	-0	-2	8		1.25	-.90	1.05	.80		.24		2.37	
41.578	109.008	-.28	1.58	2.97		50	8	1	-1	8		1.15	-.90	1.00	.95		-.34		2.94	
41.571	109.110	1.70	1.57	1.69		50	9	1	-1	8		1.20	-.90	1.00	1.15		1.21		1.73	
41.558	109.210	2.46	2.02	1.25		50	10	2	-1	9		1.25	-.95	1.00	1.00		2.14		.92	
41.535	109.308	-1.73	2.07	3.84		49	10	2	-0	9		1.40	-1.15	1.10	1.00		1.78		4.05	
41.525	109.409	-2.17	1.49	4.48		50	9	2	-1	8		1.55	-1.20	1.00	1.00		-1.24		3.63	
41.524	109.512	-.11	1.55	3.05		50	9	1	-0	8		1.55	-1.20	1.00	1.05		-.20		2.64	
41.531	109.617	3.95	3.31	2.21		50	10	2	0	8		1.35	-1.20	.55	1.00		2.67		-.09	
41.504	109.715	1.33	1.66	.30		50	11	3	1	8		1.35	-1.20	.45	1.05		1.37		.88	
41.504	109.819	3.96	1.68	-.74		50	11	3	1	7		1.60	-1.50	.45	-.00		3.81		-1.37	
41.488	109.919	7.23	3.45	-1.60		51	10	2	-1	6		1.60	-1.35	.85	-.75		6.13		-3.28	
41.475	109.985	7.80	1.81	-4.63		51	9	2	0	6		1.60	-1.20	.70	-.90		7.32		-4.46	
41.348	110.738	.41	1.65	1.66		52	10	0	0	9		1.60	-1.26	.32	.40		.28		1.59	
41.340	110.837	.76	1.68	1.27		52	10	1	0	10		1.65	-1.35	-.10	.55		.52		1.16	
41.331	110.937	1.01	2.38	1.63		52	10	1	0	11		1.60	-1.35	0.00	.92		.81		.99	
41.318	111.038	.77	1.68	1.05		52	11	2	1	12		1.65	-1.15	.07	1.45		.72		1.10	
41.304	111.138	.47	1.65	1.51		53	9	0	-1	9		1.60	-1.10	.40	.95		.73		1.22	
41.295	111.239	1.08	2.14	1.69		53	9	0	-1	7		1.60	-.70	.27	.42		.78		1.14	
41.290	111.338	1.11	1.67	.94		53	10	1	-1	8		1.55	-.40	.38	.03		.85		.87	
41.286	111.439	1.05	1.69	.67		52	11	1	1	10		1.65	-.80	.50	.40		.78		.41	

SUMMER 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
41.279	111.539	.78	1.70	.49		52	12	2	1	11		1.65	-1.00	-.18	.55		.70		.39	
41.264	111.636	.83	1.65	.92		51	13	3	2	13		1.55	-.65	-.23	1.05		.70		.57	
41.251	111.737	.71	1.65	.64		51	13	3	2	13		1.40	-.75	-.20	1.20		.55		.65	
41.239	111.841	.94	1.62	.96		50	15	5	4	13		1.60	-1.15	.27	.55		.68		.49	
41.234	111.940	.66	1.63	.23		51	15	7	5	13		1.85	-.75	08	-.25		.49		.24	
41.227	112.021	.38	1.60	.45		52	14	6	3	11		1.85	-.65	0.00	-.60		.38		.07	
41.180	112.112	.44	1.62	.28		51	15	8	4	14		1.90	-.30	-.10	-.40		.55		.27	
41.133	112.171	1.17	1.62	.56		51	15	7	4	14		1.81	-.30	.34	.39		.94		.52	
41.054	112.141	1.32	1.52	.39		52	14	6	4	13		2.05	-.20	.38	.70		1.10		.48	
40.986	112.111	1.27	1.70	.42		52	13	6	4	12		1.65	-.50	.65	.27		1.04		.53	
40.919	112.082	.88	1.70	.74		53	13	5	2	11		1.55	-.60	.60	-.35		1.05		84	
40.853	112.067	1.34	1.62	1.41		52	14	6	3	12		1.60	-.85	.50	-.60		1.13		1.40	
40.787	112.057	1.20	1.52	1.78		52	14	7	3	13		1.60	-.70	.27	-.35		1.17		1.63	
40.731	112.041	1.44	1.81	1.96		52	13	7	3	14		1.86	-.39	.30	.86		1.27		1.49	
40.740	111.966	2.07	1.53	1.80		52	14	7	4	15		2.20	-.48	.76	1.60		1.78		1.74	

SUMMER 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
40.753	111.957	1.80	1.43	1.02		51	16	9	5	18		1.50	.40	.40	1.60		1.55		1.08	
40.790	112.228	1.16	1.52	-.83		53	15	8	4	14		1.07	.92	.62	.48		.87		-.72	
40.788	112.312	.99	1.42	-.80		55	13	6	2	13		1.30	.80	.33	1.00		.96		-.76	
40.777	112.393	1.36	1.43	-.48		55	13	6	2	13		1.40	.85	.35	1.45		1.15		-.56	
40.768	112.475	1.12	1.46	-.30		55	14	6	3	12		1.60	.70	.80	1.60		1.02		-.25	
40.760	112.557	.83	1.90	.52		54	15	8	4	12		1.45	.40	.90	1.50		.79		-.05	
40.752	112.634	.28	1.48	.37		55	14	7	3	12		1.35	.60	.90	1.35		.21		.48	
40.750	112.720	.01	1.42	1.21		54	15	9	4	16		1.30	.80	.80	2.15		-.10		.72	
40.747	112.807	.88	2.00	.78		54	15	10	4	16		1.30	.75	.60	2.50		.35		.45	
40.748	112.895	.28	1.46	.67		54	16	11	5	14		1.55	1.45	1.15	1.95		.04		.50	
40.752	112.983	-.08	1.48	.25		54	17	12	6	14		1.55	1.55	1.20	1.60		-.18		.32	
40.753	113.078	-.58	1.53	.54		54	16	12	5	15		1.60	1.80	1.15	1.80		-.66		.43	
40.754	113.178	-.47	1.56	.38		54	16	13	5	16		1.70	1.90	1.20	2.10		-.72		.43	
40.756	113.278	-.51	2.13	.81		54	16	13	5	16		1.90	1.90	1.25	1.80		-.74		.34	
40.750	113.378	-.56	1.63	.62		56	15	11	4	14		1.90	2.15	.95	1.50		-.80		.06	
40.738	113.479	-.77	2.13	.43		56	15	11	4	14		1.90	1.90	.85	2.10		-1.06		-.08	
40.727	113.578	-.97	1.62	.33		57	14	10	3	12		1.85	1.90	.90	2.15		-1.25		.22	
40.720	113.677	-.67	2.14	1.40		57	14	10	3	11		1.70	1.65	.80	2.10		-1.45		1.09	
40.722	113.779	-.91	2.22	1.54		56	15	11	4	11		1.60	1.65	1.00	1.85		-1.20		1.08	
40.724	113.881	-.84	1.59	.72		56	15	11	4	10		1.60	1.90	1.05	1.30		-1.14		.54	
40.726	113.983	-.89	1.58	1.03		57	13	11	3	11		1.40	1.85	1.00	1.80		-1.25		.50	
40.728	114.083	-.42	1.58	.57		58	13	10	2	9		1.30	1.84	.88	1.60		-.77		.45	
40.730	114.184	.03	1.47	.20		58	14	10	3	9		1.45	1.60	1.15	1.45		-.85		.10	
40.782	114.732	3.09	1.39	.33		58	16	11	4	10		2.20	1.90	.70	1.90		2.11		.24	
40.762	114.635	2.41	1.57	.68		59	16	11	3	8		1.90	2.20	.70	1.75		2.48		.45	
40.764	114.686	2.47	1.56	.44		58	16	11	4	6		1.30	1.75	.70	-.15		4.17			
40.735	115.154	j	j	j	j	j	j	j	j	j		j	j	j	j		-1.19 j		-.41 j	
40.735	115.942	-1.16	.96	1.37		62	17	7	4	4		2.14	1.90	1.30	.58		-1.37		1.17	
40.713	116.040	-.88	.97	1.61		62	18	7	4	4		2.15	1.60	1.30	.65		-1.26		1.38	
40.692	116.138	-1.06	.89	1.38		62	18	7	5	4		2.25	1.60	1.30	1.00		-1.44		1.30	
40.670	116.236	-1.42	.87	1.56		63	18	7	5	3		2.20	1.85	1.55	1.30		-.97		1.34	
40.580	116.932	2.23	2.27	-.59		63	20	8	7	4		1.90	1.90	1.90	1.60		2.43		-.67	
40.264	117.907	1.71	1.76	2.81		64	25	6	7	3		1.90	1.90	1.60	2.15		1.36		2.58	
40.237	117.982	2.03	1.88	2.41		64	25	6	7	3		1.90	1.90	1.60	2.50		1.18		2.93	
40.192	118.103	2.55	2.72	2.81		64	26	5	9	3		1.90	2.00	1.65	2.45		1.89		2.28	
40.156	118.189	2.19	1.76	2.68		64	27	4	9	3		1.90	1.55	1.60	2.50		1.91		2.71	
40.120	118.280	1.77	2.18	2.88		64	28	5	9	2		1.90	1.65	1.60	2.35		1.44		2.54	
40.085	118.370	1.47	2.55	2.17		64	29	6	9	2		1.90	1.90	1.60	2.15		1.51		1.96	
40.051	118.459	1.52	1.57	2.48		65	29	5	8	1		1.90	1.90	1.60	2.20		1.13		2.58	
40.018	118.550	.66	.97	2.55		65	30	4	9	2		1.95	1.90	1.50	2.20		.31		2.33	
39.973	118.633	.21	.71	2.47		65	31	4	9	2		1.90	1.80	1.50	2.15		-.32		2.47	
39.927	118.734	.04	1.00	2.61		66	31	4	8	1		2.20	1.90	1.60	2.45		-.27		2.21	
39.894	118.807	.22	.48	1.97		66	32	3	8	1		2.20	1.90	1.60	2.50		-.39	.54		
39.856	118.895	.10	.55	2.01		65	34	4	9	-7 i		2.20	1.80	1.50	2.35		-.19	.71		
39.817	118.982	.30	.82			65	34	3	9			2.45	1.60	1.30			-.00	.34		
39.779	119.071	.78	.63			66	33	2	8			2.50	1.60	1.30			.43	.64		
39.741	119.158	.95	.95			66	32	1	9			2.50	1.60	1.35			.59	.63		
39.702	119.245	1.15	1.09	2.16		66	32	2	8	1		2.50	1.75	1.30	1.30		.81	.64		
39.663	119.335	1.09	.58	2.40		66	31	1	9	1		2.35	1.60	1.30	1.85		1.01	.79		

SUMMER 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
39.625	119.424	1.36	1.10	2.24		66	30	2	10	1		2.20	1.75	1.30	1.95		1.06	.94		
39.587	119.512	1.35	.94	2.32		65	29	3	11	0		2.00	2.10	1.30	1.70		1.28	1.49		
39.545	119.600	1.12	.94	2.20		65	28	2	11	1		2.02	1.84	1.30	1.60		.59	1.10		
39.519	119.692	1.06	2.05	2.31		67	25	0	9	-2		2.20	1.50	1.35	1.80		.93	1.58		
39.502	119.793	2.08	1.50	1.65		67	23	-0	9	-3		2.20	1.60	1.30	1.30		1.58	1.23		
39.480	119.890	1.61	1.92	1.96		67	23	0	10	-3		1.90	1.65	1.30	.90		1.23	1.76		
39.462	119.990	1.45	1.93	2.60		67	23	-1	11	-2		2.00	1.40	1.30	1.25		1.09	1.75		
39.441	120.088	1.10	1.59	2.44		67	21	-1	11	-3		2.00	1.30	1.25	1.50		1.19	1.64		
39.423	120.187	1.43	1.44	2.59		66	20	-1	12	-3		1.75	1.15	1.30	1.35		1.36	1.76		
39.407	120.287	2.02	1.92	2.34		66	20	-0	12	-2		1.60	1.15	1.15	1.60		1.67	1.31		
39.388	120.385	2.68	.94	1.21		66	19	2	14	-2		1.95	1.75	1.30	1.65		2.49	1.32		
39.369	120.483	2.24	.20	1.33		65	19	2	15	-4		1.85	2.20	1.40	1.50		2.07	.26		
39.351	120.577	2.01	.30	1.75		65	18	-1	17	-6		1.80	1.90	1.55	1.20		1.75	-.57		
39.330	120.671	2.03	-.45	1.76		65	17	-3	18	-8		1.55	1.20	1.60	.45		1.88	-.26		
39.311	120.767	1.38	-.83	1.71		65	15	-4	19	-11		1.30	.90	1.30	.50		1.37	-.57		
39.293	120.865	1.42	-.88	1.38		65	14	-6	19	-13		1.30	.20	1.50	-.80		1.40	-.49		
39.276	120.963	1.68	-.67	1.35		64	14	-3	21	-12		1.25	.13	1.50	-1.10		1.60	-.43		
39.260	121.061	1.78	-.85	1.17		64	13	-3	22	-12		1.00	-.08	1.60	-1.30		1.84	-.58		
39.238	121.158	1.57	-.88	1.69		63	14	-3	23	-12		1.00	-.05	1.60	-1.50		1.52	-.82		
39.215	121.254	1.59	-.53	1.79		63	14	-4	24	-12		1.10	-.20	1.85	-1.75		1.41	-.84		
39.192	121.351	1.33	-1.22	1.68		63	14	-5	25	-12		1.30	-.15	1.90	-1.95		1.33	-.82		
39.170	121.448	1.70	-.80	1.66		63	13	-5	26	-12		1.40	-.35	1.95	-2.10		1.64	-.45		
39.151	121.547	1.94	-.03	1.44		62	13	-3	28	-11		1.30	-.40	2.20	-2.10		1.66	-.46		
39.132	121.645	1.74	-.21	1.58		62	13	-2	29	-10		1.30	.07	2.35	-1.90		1.33	-.53		
39.112	121.743	1.31	-.17	1.52		62	13	-1	30	-10		1.30	.60	2.50	-1.50		1.19	-.67		
39.096	121.842	1.72	.05	1.30		62	12	-1	31	-10		1.06	.40	2.58	-1.50		1.47	-.57		
39.079	121.940	1.36	-.69	1.33		62	12	-1	32	-10		1.00	.40	2.90	-1.20		1.33	-.48		
39.060	122.040	.99	-.70	1.79		63	11	-2	32	-11		1.05	.80	2.63	-1.30		1.06	-.41		
38.992	122.073	.80	-.13	1.76		62	12	-1	34	-10		1.00	1.20	3.00	-1.50		.73	-.25		
38.919	122.092	.99	-.06	1.24		62	12	-0	34	-10		1.30	1.30	2.90	-1.50		.71	-.02		
38.847	122.109	.70	-.26	1.40		62	12	-1	35	-10		1.60	1.05	2.70	-1.50		.53	-.06		
38.772	122.127	.99	-.26	1.17		63	12	-2	36	-10		1.90	1.00	2.77	-1.25		.70	-.17		
38.701	122.144	.91	.07	1.36		63	11	-2	36	-10		1.90	1.00	2.90	-1.10		.75	.02		
38.627	122.161	.84	-.26	1.64		63	12	-2	36	-9		1.85	.60	2.70	-.90		.62	-.50		
38.553	122.179	.72	-.68	1.51		62	12	-1	36	-8		1.85	.50	2.90	-.80		.61	-.63		
38.479	122.192	.86	-.64	1.67		62	11	-2	35	-7		1.50	.50	2.70	-.80		.61	-.78		
38.406	122.198	1.12	-.65	1.41		61	12	-1	35	-5		1.45	.55	2.45	-.85		.85	-.75		
38.333	122.204	1.26	-.59	1.44		62	11	-2	31	-7		1.55	.45	1.90	-.90		.95	-.74		
38.259	122.211	1.15	-.67	1.24		63	9	-3	29	-7		1.30	.70	1.54	-.78		.95	-.80		
38.185	122.218	.88	-.87	1.48		62	11	-2	29	-6		1.55	.80	1.45	-.60		.93	-.89		
38.111	122.215	1.22	-.98	1.98		62	11	-3	29	-5		1.60	.90	1.80	-.55		.98	-.96		
38.036	122.212	1.24	-.84	1.30		62	11	-3	28	-5		1.60	1.00	1.90	-.20		.97	-1.02		
37.964	122.214	1.33	-.59	1.35		63	10	-3	27	-6		1.55	1.00	1.90	.33		1.13	-.74		
37.891	122.212	1.05	-1.07	1.34		62	10	-3	27	-5		1.55	1.00	1.90	-.03		.95	-1.02		
37.820	122.212	1.22	-.67	1.28		62	10	-3	26	-4		1.60	1.10	1.90	.13		.94	-.92		
37.746	122.210	.96	-1.13	1.15		62	10	-3	25	-4		1.55	1.20	1.90	0.00		.63	-1.42		
37.704	122.150	.88	-1.32	.82		63	9	-4	23	-5		1.10	.60	1.35	-.02		.91	-1.49		
37.741	122.046	.67	-1.48	.89		62	10	-3	24	-3		1.25	.50	1.20	.40		.63	-1.31		
37.765	121.970	-.53	-.80	1.53		62	10	-3	24	-3		1.45	.80	1.60	.40		.47	-1.29		

SUMMER 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
37.787	121.875	.60	-1.26	.84		62	10	-2	25	-3		1.35	1.05	1.90	.40		.38	-1.42		
37.806	121.781	.62	-1.08	1.55		62	10	-3	25	-4		1.30	1.00	2.00	.40		.34	-1.60		
37.821	121.685	.56	-1.61	.99		62	11	-3	25	-4		1.55	1.05	2.35	-.03		.27	-1.92		
37.827	121.588	.43	-1.66	.73		62	11	-4	25	-4		1.90	.85	2.50	-.30		.40	-1.94		
37.832	121.492	.52	-2.17	1.03		63	10	-4	24	-5		1.70	.80	2.70	-.30		.38	-1.75		
37.832	121.395	.47	-2.10	.95		62	11	-3	24	-4		1.60	.95	2.70	-.30					
37.831	121.299	.60	-1.84	1.08		62	11	-2	24	-5		1.65	1.20	2.50	-.30			-2.33	.93	
37.831	121.203	.50	-1.88	.92		62	11	-2	23	-5		1.40	1.45	2.50	-.55			-2.15	.65	
37.830	121.091	.66	-1.88	1.04		63	9	-4	22	-6		1.00	1.30	2.50	-.60			-2.34	.86	
37.832	120.996	.55	-2.71	1.18		63	9	-5	22	-6		1.00	1.30	2.50	-.55			-2.30	.71	
37.834	120.899	1.08	-1.83	1.31		64	9	-7	21	-7		1.00	1.05	2.50	-.55			-2.15	.78	
37.842	120.801	.86	-2.19	1.00		64	9	-9	20	-8		1.30	.40	2.50	-.75			-2.53	.83	
37.843	120.705	1.21	-1.74	1.23		65	9	-9	19	-9		1.30	.20	2.50	-.80			-2.00	1.07	
37.842	120.610	1.18	-1.44	1.47		64	10	-8	20	-8		1.30	-.05	2.50	-.60			-1.80	1.27	
37.843	120.512	.90	-1.75	1.25		64	11	-8	20	-9		1.00	-.20	2.50	-.65			-2.06	1.08	
37.841	120.418	.81	-2.21	1.35		63	12	-7	19	-8		1.10	-.15	2.20	-.65			-2.09	1.11	
37.844	120.321	1.15	-2.11	.94		63	12	-9	19	-9		1.30	-.25	2.20	-.80			-2.17	1.02	
37.844	120.226	1.13	-1.50	1.31		63	12	-10	19	-10		1.35	-.70	2.20	-1.40			-1.71	1.09	
37.846	120.130	.82	-1.63	1.04		63	12	-9	18	-9		1.30	-.70	2.10	-1.60			-2.02	.76	
37.847	120.032	.88	-1.85	.81		62	12	-9	18	-8		1.00	-.80	1.90	-1.80			-2.10	.63	
37.848	119.935	1.32	-1.86	.73		62	12	-8	17	-8		1.00	-.65	1.80	-1.70			-2.11	.54	
37.850	119.840	1.41	-1.69	1.45		61	14	-6	16	-7		1.25	-.30	1.45	-1.70			-1.86	.46	
37.836	119.746	.94	-1.47	1.53		61	15	-6	15	-6		1.25	.13	1.25	-1.60			-1.63	.62	
37.806	119.658	.73	-1.67	.71		60	15	-5	15	-5		1.20	-.45	.85	-1.50			-1.83	.32	
37.783	119.571	1.09	-2.42	.33		58	16	-3	16	-2		.80	-.50	.50	-1.50			-1.82	.16	
37.795	119.477	1.14	-1.34	2.01		57	18	-2	15	-2		.70	-.78	.40	-1.56			-1.38	1.48	
37.810	119.381	1.29	-1.44	1.79		56	20	-1	15	-0		.70	-.45	.40	-1.80			-1.77	1.33	
37.825	119.285	1.70	-1.76	1.22		56	22	1	13	5		.95	-.35	.40	-1.45			-1.39	1.33	
37.839	119.193	1.31	-1.60	.56		56	22	2	12	8		1.05	-.05	.13	-.70			-1.27	1.02	
37.860	119.094	1.31	-1.04	.52		56	25	4	12	10		1.45	.62	.20	-.05			-.59	.96	
37.878	118.999	1.55	-.82	1.07		56	26	7	11	10		1.90	1.10	0.00	.60			-.85	.78	
37.896	118.893	1.10	-.81	.99		57	25	6	8	9		1.90	1.30	-.75	.70			1.27	1.26	
38.050	116.873	2.62	.83	.19		60	20	1	7	15		2.20	1.42	.94	2.20				-.40	
38.059	116.776	2.44	1.16	-.65		61	18	1	6	14		1.96	1.78	1.12	2.14		.40		-.25	
38.201	115.238	1.19	.62	-2.41		56	16	4	5	20		1.36	1.48	1.00	1.72		1.15		-2.29	
38.209	115.141	1.68	.61	-2.04		56	16	4	5	20		1.60	1.06	1.00	1.90		1.53		-2.42	
38.221	114.935	1.16	1.13	-1.15		53	19	7	8	24		1.66	1.42	1.18	2.02		1.03		-1.00	
38.252	114.411	1.04	.84	-1.33		55	16	4	6	23		1.90	1.30	1.30	2.35		.73		-1.28	
38.257	114.283	1.35	.90	-1.33		55	16	4	5	22		1.90	1.00	1.00	2.38		1.18		-1.07	
38.264	114.186	1.31	.88	-.93		57	14	3	3	21		2.05	1.30	.95	2.50		1.16		-1.11	
38.279	114.092	1.61	.77	-1.80		56	15	4	4	21		2.10	1.55	1.15	2.50		1.49		-2.01	
38.290	113.997	2.10	.75	-1.66		56	15	2	3	22		1.90	1.40	1.10	2.40		1.77		-1.78	
38.302	113.901	1.89	.81	-1.74		55	15	3	3	22		1.90	1.85	1.10	2.45		1.81		-1.93	
38.315	113.807	1.49	.90	-1.76		55	15	2	3	23		1.90	1.40	.70	2.88		1.28		-1.85	
38.327	113.713	1.22	.86	-1.58		55	15	3	3	23		1.90	1.50	.50	2.95		.87		-1.76	
38.339	113.618	1.23	.79	-1.85		55	14	4	3	23		1.90	1.35	.75	2.87		1.11		-1.84	
38.352	113.524	1.06	.57	-2.31		56	14	4	2	22		1.95	1.50	.70	2.35		.72		-2.35	
38.358	113.428	.66	.58	-1.99		56	12	1	1	21		2.05	1.40	.85	2.05		.58		-2.09	
38.359	113.332	.54	.70	-1.79		56	11	2	-0	21		1.80	1.20	.33	2.30		.37		-1.70	

SUMMER 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
38.360	113.236	.48	.77	-1.81		55	12	4	1	22		1.55	1.30	.02	2.40		.29		-1.75	
38.362	113.139	.75	.91	-1.36		55	13	3	1	22		1.50	1.15	.40	2.40		.65		-1.23	
38.365	113.043	.64	.99	-1.14		55	12	3	2	22		1.65	.95	.85	2.50		.53		-1.05	
38.364	112.947	.60	1.01	-.59		55	12	3	1	21		1.80	1.10	1.25	2.15		.35		-.72	
38.363	112.851	.41	1.04	-.61		56	11	5	1	20		1.70	1.65	.65	2.10		.26		-.69	
38.361	112.755	.14	.98	-.74		56	11	5	0	20		1.60	2.00	.45	2.45		.10		-.76	
38.361	112.659	.40	.87	-1.21		55	11	5	1	20		1.55	1.65	.48	2.45		.25		-1.14	
38.366	112.563	.05	.77	-1.65		55	11	6	1	19		1.30	1.60	.33	2.00		-.11		-1.99	
38.369	112.466	-.49	.78	-1.79		54	11	7	1	20		1.35	1.60	.33	2.15		-.61		-1.95	
38.372	112.368	-.59	.96	-1.33		55	11	5	0	19		1.45	1.35	.40	2.05		-.82		-1.38	
38.375	112.269	-1.00	.95	-.80		54	11	5	1	21		1.50	1.25	.60	2.35		-.98		-.71	
38.380	112.178	-.98	1.08	-.91		54	9	5	-1	19		1.78	1.30	.76	2.26		-1.29		-.97	
38.385	112.079	-1.55	1.20	-1.01		55	7	5	-3	18		1.24	1.30	.32	1.90		-1.61		-1.24	
38.389	111.983	-1.72	1.47	-.95		55	8	5	-3	18		1.00	1.30	.32	1.96		-1.74		-.90	
38.395	111.886	-1.30	1.46	-.76		55	9	5	-1	17		1.30	1.35	.50	1.55		-1.44		-.91	
38.400	111.791	-1.40	1.49	-1.12		55	7	4	-3	17		1.10	1.55	.70	1.75		-1.58		-1.17	
38.405	111.694	-1.39	1.53	-1.02		55	8	4	-3	16		1.30	1.40	.50	1.85		-1.70		-1.00	
38.407	111.646	-1.17	1.47	-.39		55	8	4	-2	16		1.30	1.60	.70	1.60					
38.400	111.488	-1.37	1.69	1.95		53	9	4	-1	17		1.90	1.00	.40	1.30		-1.25		2.96	
38.408	111.292	-1.32	1.42	-.19		55	8	4	-2	15		1.70	1.70	1.10	1.65		-1.54		-.28	
38.410	111.193	-1.42	1.38	.03		54	7	4	-3	16		1.70	1.50	1.30	1.30		-1.57		.11	
38.412	111.094	-1.24	1.31	.13		54	7	3	-3	15		1.30	1.90	1.18	1.18		-1.41		.09	
38.415	110.996	-1.24	1.32	.20		54	7	3	-3	15		1.25	1.65	.90	1.30		-1.38		.17	
38.420	110.898	-.76	1.34	.10		53	8	4	-3	16		1.30	1.60	.70	1.78		-1.07		.05	
38.423	110.801	-.63	1.27	-.13		52	9	4	-2	17		1.40	1.55	.55	1.70		-.82		-.17	
38.415	110.704	-.63	1.19	-.02		53	9	3	-3	17		1.55	1.60	.55	1.40		-.90		-.11	
38.432	110.610	.25	1.36	-.61		52	9	2	-3	17		1.40	1.05	.65	2.30		-.07		-.52	
38.463	110.523	-.07	1.37	-.38		52	9	2	-3	18		1.45	.85	.40	2.45		-.11		-.44	
38.491	110.433	.03	1.51	-.15		52	10	1	-2	18		1.45	.95	.40	1.95		-.09		-.28	
38.523	110.344	.42	1.65	-.19		51	10	1	-1	18		1.15	.35	.13	1.85		.23		-.20	
38.554	110.256	.43	1.67	-.13		51	9	1	-1	18		1.25	.08	.13	1.60		.31		-.21	
38.586	110.167	.34	1.67	-.16		50	10	2	-1	18		1.25	-.05	.13	1.70		.05		-.15	
38.616	110.078	-.08	1.64	-.05		51	9	0	-2	17		1.15	.33	-.10	1.85		-.28		-.19	
38.647	109.989	-.27	1.65	.06		51	9	0	-2	17		1.30	.40	-.15	1.75		-.59		.01	
38.679	109.902	-.50	1.53	.04		50	9	1	-2	16		1.30	.40	-.35	1.30		-.67		-.05	
38.709	109.812	-.43	1.47	.27		50	9	1	-2	16		1.25	-.05	-.55	1.00		-.66		.16	
38.739	109.723	-.15	1.52	.52		50	10	1	-2	16		1.40	-.30	-.35	1.20		-.61		.44	
38.773	109.633	-.04	1.38	.30		50	10	-1	-1	15		1.70	-.30	-.40	1.40		-.16		.36	
38.804	109.533	.04	1.29	.35		51	10	-2	-2	15		1.65	-.30	-.30	1.60		.13		.36	
38.837	109.430	.45	1.18	.47		50	10	-3	-2	14		1.35	-.65	-.10	1.20		.14		.40	
38.883	109.328	.83	1.14	-.15		50	9	-3	-2	14		1.25	-.90	-.30	1.00		.56		-.49	
38.922	109.227	.90	1.01	-.84		50	9	-4	-2	14		1.05	-.90	-.30	.85		.54		-.77	

SUMMER 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
38.746	107.877	1.76	1.13	-.86		47	9	-3	-3	14		1.35	-.90	-.90	1.15		1.67		-.89	
38.719	107.801	1.70	1.22	-.51		48	8	-4	-4	13		1.20	-.90	-.90	1.05		1.56		-.64	
38.702	107.751	1.93	1.27	-.51		48	7	-4	-4	13		1.38	-.90	-.90	.62		1.57		-.60	
38.679	107.663	1.58	1.35	-.56		48	7	-4	-4	13		1.60	-.90	-.90	.40		1.51		-.50	
38.654	107.575	1.34	1.30	-.42		48	7	-4	-3	12		1.66	-.90	-.90	.40		1.38		-.44	
38.612	107.472	.78	1.28	-.15		49	6	-5	-4	12		1.66	-.90	-.78	.64		.91		-.33	
38.573	107.389	.60	1.48	.01		48	7	-4	-4	12		2.14	-.90	-.60	.88		.65		-.04	
38.553	107.347		1.57	.07		47	8	-3	-3	12		1.90	-.90	-.60	1.00					
38.413	106.835	.96	1.78	-.43		45	8	-4	-2	14		1.30	-.90	-.60	0.00		.93		-.42	
38.366	105.850	-1.50	2.14	1.54		45	2	-10	-6	7		1.60	-1.20	-.30	.46		-1.73		1.61	
38.366	105.756	-.71	2.06	.45		45	1	-10	-7	6		1.35	-1.20	-.30	.02		1.02		.45	
38.366	105.661	-.27	1.97	-.21		45	1	-10	-8	6		1.30	-1.20	-.30	0.00		-.64		-.09	
38.365	105.565	.17	1.76	-.81		46	1	-11	-9	7		1.30	-1.20	-.30	.30		.31		-.87	
38.362	105.488	.15	1.60	-.85		46	0	-11	-9	6		1.12	-1.32	-.30	-.36		.40		-1.02	
38.361	105.378	.13	1.46	-1.04		46	0	-11	-9	6		1.30	-1.20	-.30	-.50		.21		-1.06	
38.357	105.284	-.26	1.49	-.86		46	0	-11	-9	6		1.30	-1.30	-.30	0.00		.03		-.85	
38.351	105.190	-.14	1.53	-.70		46	-1	-11	-10	5		1.15	-1.50	-.30	.33		-.09		-.80	
38.342	105.096	.14	1.50	-.65		46	-1	-11	-10	4		1.30	-1.50	-.30	.08		-.08		-.86	
38.333	105.003	-.16	1.58	-.65		46	-1	-11	-10	4		1.00	-1.50	-.30	-.30		.08		-.75	
38.325	104.908	-.18	1.51	-.66		46	-1	-11	-10	3		1.00	-1.50	-.30	-.35		.01		-.67	
38.316	104.814	-.08	1.49	-.65		47	-2	-12	-11	3		1.15	-1.50	-.30	-.40		.10		-.65	
38.311	104.721	-.14	1.63	-.48		46	-1	-11	-10	4		1.20	-1.50	-.30	-.15		.02		-.50	
38.306	104.625	.04	1.58	-.31		47	-2	-12	-11	3		1.30	-1.50	-.30	.27		.21		-.43	
38.299	104.532	-.08	1.55	-.28		47	-2	-12	-11	3		1.30	-1.50	-.30	.20		-.07		-.33	
38.292	104.437	-.45	1.43	-.21		47	-2	-11	-11	4		1.30	-1.50	-.30	.07		-.35		-.41	
38.286	104.336	-.05	1.37	-.30		47	-2	-11	-11	3		1.30	-1.50	-.30	-.25		.21		-.45	
38.280	104.244	.30	1.46	-.48		47	-2	-11	-11	4		1.20	-1.50	-.30	-.40		.30		-.47	
38.272	104.146	-.13	1.55	-.34		46	-1	-10	-10	5		1.00	-1.50	-.30	-.85		.08		-.42	
38.268	104.050	.12	1.44	-.53		47	-2	-11	-11	4		1.00	-1.50	-.30	-.90		.24		-.64	
38.260	103.955	.05	1.33	-.79		47	-3	-11	-12	4		1.00	-1.50	-.30	-.90		.22		-.85	
38.251	103.860	-.08	1.37	-.74		47	-3	-11	-12	5		1.00	-1.50	-.30	-.80		.13		-.87	
38.245	103.764	-.01	1.30	-.81		47	-3	-11	-12	5		1.10	-1.50	-.30	-.30		.20		-.81	
38.241	103.669	.37	1.36	-.80		48	-4	-12	-13	5		1.30	-1.50	-.30	.37		.22		-.89	
38.238	103.573	.05	1.23	-1.07		48	-4	-12	-13	5		1.30	-1.50	-.35	1.00		.10		-1.16	
38.233	103.478	-.01	1.30	-1.36		47	-3	-11	-12	6		1.30	-1.50	-.45	.95		.07		-1.31	
38.229	103.383	-.25	1.46	-1.36		48	-4	-12	-13	6		1.30	-1.50	-.55	.70		.01		-1.34	
38.225	103.293	-.70	1.49	-1.31		48	-4	-12	-13	5		1.30	-1.50	-.35	.80		-.54		-1.36	
38.219	103.198	-1.08	1.45	-1.27		48	-4	-12	-13	5		1.30	-1.50	-.35	.13		-.52		-1.27	
38.213	103.100	-1.06	1.50	-1.15		47	-3	-11	-12	5		1.30	-1.50	-.40	.40		-.75		-1.22	
38.206	103.005	-.73	1.26	-1.17		48	-4	-12	-13	4		1.30	-1.55	-.50	.60		-.58		-1.07	
38.200	102.911	-.46	1.29	-1.19		48	-4	-12	-14	5		1.15	-1.50	-.55	.55		-.30		-1.28	
38.202	102.817	-.03	1.48	-1.35		48	-5	-12	-14	5		1.30	-1.75	-.60	.90		.18		-1.15	
38.202	102.722	-.41	1.50	-1.07		48	-5	-12	-14	5		1.25	-1.80	-.60	1.15		-.02		-1.32	
38.190	102.628	.02	1.15	-1.07		49	-6	-13	-15	5		1.00	-1.80	-.60	1.30		.16		-1.33	
38.174	102.540	-.51	1.09	-1.20		48	-5	-13	-14	5		1.20	-1.80	-.60	1.20		-.14		-1.29	
38.159	102.444	-.49	1.43	-1.35		48	-5	-13	-15	5		1.00	-1.80	-.60	1.40		.00		-1.34	
38.143	102.349	-.27		-1.33		49	-6	-14	h	4		1.25	-1.80		1.25		-.01		-1.44	
38.126	102.256	-.11		-1.53		48	-5	-13		5		1.25	-1.80		.80		.01		-1.59	
38.111	102.165	-.20		-1.61		48	-5	-13		5		1.00	-1.80		1.25		-.06		-1.65	

SUMMER 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
38.097	102.068	.04		-1.85		48	-5	-13		5		1.00	-1.80		.95		.32		-1.96	
38.084	101.973	.07		-1.75		48	-6	-13		4		1.00	-1.80		1.25		.34		-1.83	
38.072	101.879	-.19		-1.92		49	-7	-14		3		1.00	-1.80		1.30		.27		-1.86	
38.060	101.786	-.59		-1.83		50	-8	-15		3		1.00	-1.80		1.00		.23		-1.73	
38.049	101.692	-.26		-1.67		50	-8	-15		2		1.00	-1.80		1.00		3.61	1.47	-1.76	
38.037	101.598	-.44		-1.67		50	-8	-15		1		1.00	-1.80		1.05			1.06	-1.43	
38.024	101.503	-.55		-1.73		50	-8	-16		2		1.00	-1.80		1.06					
38.013	101.409	-.45		-1.70		49	-7	-15		3		1.00	-1.80		1.05					
38.000	101.315	-.21		-1.72		49	-8	-15		3		1.00	-1.80		1.30					
37.989	101.221	.06		-1.79		50	-9	-16		2		1.00	-1.80		1.30					
37.983	101.127	.60		-1.95		50	-9	-16		2		1.00	-1.80		1.25					
37.976	101.033	.26		-1.94		50	-9	-16		2		.95	-1.80		1.25					
37.969	100.939	-.15		-1.80		51	-10	-17		2		1.00	-1.80		1.35					
37.958	100.845	-.33		-1.63		50	-10	-17		2		1.00	-1.80		1.55					
37.945	100.751	.28		-1.73		51	-11	-18		1		1.00	-1.80		1.35					
37.932	100.657	.64		-1.65		51	-11	-18		0		1.00	-1.80		1.20					
37.917	100.565	.24		-1.50		51	-11	-18		0		1.00	-1.80		.95					
37.902	100.470	.39		-1.45		51	-11	-19		0		.90	-1.80		.90					
37.891	100.378	.35		-1.81		51	-12	-19		1		.70	-1.80		1.35					
37.882	100.284	-.04		-1.94		51	-12	-19		1		.70	-1.80		1.60					
37.873	100.189	.45		-1.85		51	-12	-19		-0		.70	-1.80		1.65					
37.859	100.093					51		-19		-0			-1.80		1.60					
37.845	99.999					51		-19		-1			-1.80		1.50					
37.852	99.904					52		-20		-2			-1.80		1.75					
37.866	99.809					52		-20		-2			-1.80		1.90					
37.869	99.712					52		-20		-2			-1.80		1.60					
37.873	99.615					52		-20		-2			-1.80		1.45					
37.877	99.517					52		-19		-2			-1.80		1.40					
37.884	99.422					51		-20		-2			-1.80		1.30					
37.892	99.325					52		-20		-3			-1.80		1.15					
37.894	99.227					52		-20		-3			-1.80		1.00					
37.902	99.131					52		-20		-3			-1.80		1.00					
37.912	99.034					53		-21		-4			-1.80		1.00					
37.922	98.939					52		-20		-4			-1.80		1.00					
37.932	98.841					53		-21		-5			-1.80		1.00					
37.941	98.746					53		-21		-5			-1.80		1.00					
37.950	98.649					53		-21		-5			-1.80		.95					
37.959	98.552					53		-22		-5			-1.80		1.00					
37.968	98.454					54				-6					1.00					
37.979	98.357					54				-7					1.00					
37.989	98.261					53				-6					1.00					
37.994	98.164					54				-7					1.20					
37.991	98.068					54				-8					1.25					
37.990	97.971					55				-8					1.15					
37.971	97.879					54				-8					1.30					
37.911	97.818					56				-10					1.30					
37.858	97.746					54				-8					1.30					

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SUMMER 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
34.225	99.716					52				-4					1.82					
34.239	99.798					51				-3					1.90					
34.252	99.879					53				-5					2.20					
34.268	99.962					52				-4					2.20					
34.283	100.044					52				-4					2.35					
34.299	100.122					53				-5					2.25					
34.312	100.203					54				-6					2.30					
34.298	100.287					54				-5					2.35					
34.287	100.370					56				-9					2.50					
34.300	100.454					59				-12					2.50					
34.328	100.535					65				-17					2.50					
34.360	100.612					64				-16					2.50					
34.346	100.696					61				-11					2.45					
34.334	100.781					59				-11					2.20					
34.320	100.864					58				-9					2.20					
34.307	100.949					58				-8					2.20					
34.289	101.033					57				-6					2.20					
34.279	101.118					55				-4					1.95					
34.268	101.204					53				-1					1.80					
34.259	101.287					51				1					1.72					
34.248	101.373					51				1					1.65					
34.239	101.457					51				1					1.40					
34.223	101.541					50				2					1.25					
34.253	101.613					49				3					.75					
34.302	101.677					49				3					1.25					
34.350	101.743					49				3					.95					
34.397	101.810					50				3					1.05					
34.435	101.888					50				3					.90					
34.455	101.974					50				4					.90					
34.442	102.067					50				3					1.55					
34.428	102.158					51				2					1.60					
34.403	102.264					50				3					1.15					
34.407	102.340					55				-3					.70					
34.411	102.435					56				-2					.32					
34.444	102.519					51				3					.90					
34.485	102.599					50				4					1.20					
34.490	102.692					51				4					.95					
34.488	102.785					50				4					.80					
34.493	102.879					52				1					.85					
34.532	102.963					57				-2					1.00					
34.559	103.052			-1.78		52	-11			4		-.60			.95					
34.582	103.142			-2.01		52	-12			3		-.50			1.05					
34.608	103.233			-2.23		51	-10			4		-.60			.65					
34.636	103.321			-2.35		49	-8			6		-.60			.80					
34.662	103.411			-2.43		49	-8			6		-.60			.95					
34.684	103.505			-1.54		49	-8			7		-.60			.90					
34.705	103.596			-2.17		49	-7			7		-.60			.85					
34.724	103.688			-2.08		48	-6			8		-.60			1.10					
34.744	103.798			-1.86		49	-7			8		-.40			.75					

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SUMMER 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
34.763	103.891			-2.00		49	-7			8		-.60			.65					
34.783	103.983			-2.00		49	-6			9		-.50			1.10					
34.805	104.076			-2.12		48	-5			9		-.35			.80					
34.832	104.166			-2.16		48	-4			9		-.10			.90					
34.862	104.255			-1.48		49	-5			8		.27			.75		14.67		-2.14	
34.892	104.342			-2.11		49	-5			8		.45			.45		14.42		-2.13	
34.923	104.430			-1.56		50	-6			8		.65			.27		14.47		-2.13	
34.954	104.520			-1.96		49	-5			9		.65			.75		14.61		-2.09	
34.982	104.605			-2.03		49	-4			9		.70			.80		14.73		-2.06	
35.009	104.694			-1.25		49	-4			10		.90			.85		14.43		-1.87	
35.038	104.784			-1.65		48	-3			11		1.00			.90		14.42		-1.71	
35.061	104.874			-1.46		48	-3			11		1.00			1.10					
35.086	104.967			-.82		48	-3			11		1.00			.95					
35.106	105.058			-1.17		49	-4			10		1.00			1.05					
35.073	105.145			-.94		48	-3			11		1.00			1.20					
35.061	105.238			-1.04		48	-2			12		1.00			1.00					
35.026	105.322			-1.28		48	-1			12		1.35			1.20					
34.991	105.409			-1.64		48	0			12		1.55			1.10					
34.958	105.497			-1.73		48	-0			12		2.00			.95					
34.929	105.585			-1.87		49	-1			11		1.95			.70					
34.899	105.670			-2.07		49	0			12		2.20			1.05					
34.868	105.758			-2.08		49	0			12		2.35			1.15					
34.839	105.849			-2.25		49	-0			12		2.10			1.00					
34.851	105.941		.80	-1.57		49	-1		-10	13		1.80		-.24	1.00					
34.882	106.022		1.03	-1.94		48	1		-9	14		1.60		-.20	1.05					
34.915	106.098		.57	-1.99		49	1		-10	14		1.60		-.10	1.05					
34.940	106.180		.58	-2.09		49	0		-10	13		1.75		-.15	.95					
34.951	106.264		.77	-1.81		49	-1		-10	13		1.60		.33	1.00					
34.938	106.352		.60	-2.07		49	-0		-10	13		2.05		.40	.95					
34.935	106.451		.72	-2.04		49	1		-10	14		2.05		.75	.95					
34.931	106.543		1.00	-1.35		49	1		-10	14		2.05		1.05	1.00					
34.924	106.633		1.69	-1.78		49	0		-10	14		1.84		1.24	1.00					

SUMMER STABILITY TABLE - 9940 CHAIN - SEGMENT 12

REFERENCE							ONI-700001										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
35.131	106.747	-9.67	1.03	-1.88		48	3	-13	-6	17		1.00	5.00	1.90	1.30		.23		-1.94	
35.161	107.035	-8.22	1.88	-.68		49	3	-14	-7	17		.94	5.00	1.90	1.54		1.33		-2.23	
35.169	107.113	-8.79	.65	-1.99		49	3	-14	-7	17		.95	5.00	1.90	1.45		1.41		-2.17	
35.175	107.195	-8.82	1.32	-1.23		50	2	-15	-8	16		1.30	5.13	1.90	1.30		1.31		-2.04	
35.181	107.274		.62	-1.92		51	0		-9	14		1.15		1.90	1.45		1.21		-2.10	
35.188	107.353		.82	-1.95		52	-1		-10	13		1.25		1.90	1.40		1.22		-2.13	
35.193	107.436		.82	-1.96		52	-1		-10	14		1.15		1.90	1.35		1.41		-2.15	
35.201	107.516		1.45	-1.76		51	0		-9	15		1.25		1.90	1.30		1.82		-2.38	
35.208	107.602		1.12	-2.11		52	1		-10	16		1.05		1.90	1.35		1.92		-2.05	
35.213	107.693		1.22	-1.86		51	1		-9	16		1.25		1.90	1.30		1.89		-1.86	
35.224	107.784		1.19	-1.16		49	4		-7	18		.80		1.90	1.45		1.70		-1.84	
35.242	107.874	1.83	1.20	-1.83		49	3	-4	-6	18		.55	-.84	1.90	1.40		1.59		-1.91	
35.262	107.966	1.48	1.24	-1.76		49	4	-4	-6	18		.85	.02	1.90	1.40		1.18		-2.00	
35.283	108.056	1.41	1.24	-1.84		49	4	-4	-6	19		.40	.27	1.90	1.50		1.21		-1.97	
35.304	108.146	1.26	1.15	-2.00		48	6	-2	-4	20		.80	0.00	1.90	1.50		1.15		-2.14	
35.324	108.235	1.18	1.15	-2.02		47	6	-1	-3	22		.50	.07	1.90	1.60		.98		-2.22	
35.345	108.326	1.04	1.18	-1.97		47	6	0	-3	22		.75	.75	1.90	1.60		.80		-2.10	
35.369	108.418	.98	1.14	-2.15		48	6	0	-3	22		.27	1.05	1.80	1.55		.81		-2.30	
35.389	108.510	.59	1.14	-1.96		47	7	1	-2	23		.50	1.00	1.90	1.60		.37		-2.09	
35.410	108.603	.27	1.06	-1.93		47	7	1	-2	23		.80	1.25	1.90	1.60		.08		-2.03	
35.429	108.693	.32	1.03	-1.97		47	7	1	-2	23		1.25	1.30	1.70	1.60		.17		-2.10	
35.450	108.783	.41	.95	-2.03		47	7	1	-2	23		1.05	1.25	1.55	1.60		.15		-2.13	
35.468	108.873	.19	1.00	-1.91		48	6	0	-3	22		.85	1.60	1.50	1.60		-.05		-2.04	
35.462	108.967	-.17	.91	-1.89		49	5	-1	-4	21		.85	1.85	1.30	1.45		-.19		-2.09	
35.444	109.058	.06	1.53	-1.35		48	6	-0	-4	22		.50	1.90	1.25	1.60		-.24		-2.09	
35.424	109.150	-.02	1.15	-2.03		49	6	0	-5	23		.40	1.90	1.00	1.45		-.31		-2.03	
35.406	109.242	-.28	1.29	-1.24		48	6	2	-4	23		.60	1.90	1.00	1.60		-.17		-2.08	
35.386	109.335	.19	1.40	-1.36		48	7	2	-4	24		1.05	1.90	1.25	1.60		-.01		-2.05	
35.368	109.427	.20	1.58	-1.96		49	7	1	-5	23		1.15	1.90	1.00	1.60		-.05		-2.00	
35.351	109.520	.15	1.81	-1.92		49	7	1	-5	23		1.50	1.85	1.00	1.60		.04		-1.98	
35.333	109.613	.19	1.89	-1.01		48	9	2	-5	25		1.60	1.60	1.00	1.60		-.08		-1.89	
35.315	109.705	-.08	1.93	-1.82		47	9	4	-4	26		1.85	1.50	1.00	1.70		-.19		-1.96	
35.294	109.797	-.31	1.56	-1.86		48	8	3	-5	25		1.60	1.50	1.00	1.85		-.41		-2.01	
35.272	109.889	-.30	1.69	-1.67		48	8	3	-5	25		1.35	1.75	1.00	1.80		-.43		-1.78	
35.252	109.980	-.24	1.68	-1.61		49	7	0	-6	24		1.65	1.90	.95	1.60		-.40		-1.74	
35.232	110.073	-.04	2.41	-.92		50	-5	0	-6	23		1.60	1.90	1.00	1.60		-.14		-1.63	
35.212	110.165					51		0	-7	23			1.70	1.00	1.60		-.17		-2.09	
35.190	110.257	-.20	1.60	-2.14		51	5	-0	-7	23		1.30	1.75	1.00	1.60		-.25		-2.04	
35.172	110.352	-.29	1.42	-2.38		52	3	-1	-8	22		1.05	1.70	1.00	1.65		-.36		-2.57	
35.148	110.445	-.50	1.25	-2.36		52	-2	-1	-8	23		.75	1.70	.70	1.85		-.36		-2.33	
35.127	110.538		1.10	-2.28		51	-16	0	-7	24		.70	1.50	.40	1.90		-.48		-1.94	
35.103	110.629	.00	1.61	2.25		51	5	0	-7	25		.40	1.80	.27	1.90		-.32		-1.84	
35.080	110.719	.12	1.59	-2.01		52	4	-2	-10	23		1.12	1.90	0.00	1.84		-.07		-2.12	
35.056	110.814	-.04	1.48	-2.15		51	4	-1	-10	24		.46	1.66	0.00	1.78		-.11		-2.27	
35.031	110.903																.05		-2.20	
35.008	110.997	.62	1.57	-2.11		49	5	-2	-8	27		.55	1.90	0.00	1.90		.45		-2.20	
34.990	111.086	1.24	1.40	-2.25		48	6	-2	-7	28		.40	1.72	0.00	1.90		.97		-2.32	
34.968	111.179	.99	1.35	-1.88		48	8	-4	-7	29		.76	1.30	-.30	1.90		1.03		-2.09	
34.951	111.274	1.23	1.32	-1.93		48	9	-4	-7	29		1.15	1.25	-.30	1.90		1.18		-2.08	

SUMMER 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
34.933	111.365	1.19	1.09	-1.31		49	9	-5	-7	29		.95	1.05	-.55	1.90		1.18		-2.00	
34.915	111.461	.95	1.05	-1.85		50	8	-5	-7	28		1.10	.50	-.60	1.95		1.07		-1.83	
34.897	111.554	1.00	1.05	-1.61		49	8	-4	-6	29		1.25	.13	-.85	2.20		1.15		-1.80	
34.878	111.649	.75	1.16	-1.62		50	7	-5	-7	28		.95	0.00	-.90	2.05		1.22		-2.04	
34.851	111.738	1.50	1.83	-1.24		49	7	-5	-6	30		.85	-.15	-.90	2.00		1.22		-2.01	
34.829	111.833	1.35	1.23	-1.79		48	8	-5	-5	31		.80	-.30	-.95	2.10		1.50		-2.08	
34.811	111.927	1.50	1.87	-1.53		49	8	-5	-4	31		.75	-.40	-1.00	2.05		1.59		-2.28	
34.788	112.020	1.69	1.77	-1.69		50	7	-5	-5	31		1.10	-.25	-1.20	2.05		1.50		-1.88	
34.771	112.116	1.34	1.51	-1.78		50	6	-3	-5	32		.75	-.05	-1.20	2.35		1.22		-2.00	
34.752	112.210	1.52	1.03	-1.57		49	6	-1	-4	33		.40	.65	-1.45	2.25		1.25		-2.26	
34.733	112.305	1.51	1.27	-1.91		50	7	-1	-5	32		.20	.95	-1.50	2.35		1.38		-2.03	
34.711	112.398	1.40	1.31	-.96		50	8	-3	-4	33		.40	.70	-1.55	2.40		1.15		-1.86	
34.697	112.494	1.33	1.20	-1.33		50	8	-3	-4	33		.50	.40	-1.75	2.40		1.00		-2.03	
34.698	112.589	1.86	.97	-2.30		50	9	-2	-5	33		.70	.55	-1.80	2.15		1.48		-2.44	
34.699	112.686	2.28	.93	-1.67		51	9	-3	-6	33		1.00	.85	-1.85	2.05		1.94		-2.45	
34.697	112.785	2.24	1.08	-1.97		52	7	-6	-6	32		1.05	.50	-2.10	2.00		2.02		-2.07	
34.702	112.883	2.41	1.91	-.35		52	7	-7	-6	32		.95	.40	-2.10	1.95		1.56		-1.82	
34.704	112.980	1.58	1.23	-1.60		54	6	-8	-7	31		.65	.33	-2.05	2.00		1.42		-1.88	
34.708	113.076	1.73	1.03	-1.15		54	6	-8	-7	31		.55	.07	-2.05	2.15		1.44		-1.84	
34.715	113.173	1.69	1.01	-1.76		55	5	-9	-8	30		.50	0.00	-1.95	1.90		1.48		-1.91	
34.718	113.269	1.51	.86	-1.81		56	6	-11	-9	30		.90	0.00	-2.10	1.90		1.53		-1.93	
34.721	113.367	1.87	1.00	-1.66		55	7	-10	-8	32		1.40	.20	-2.10	2.10		1.74		-1.72	
34.721	113.463	1.93	1.09	-1.65		56	7	-8	-9	32		1.65	.45	-2.10	2.05		1.67		-1.76	
34.723	113.559	1.97	2.00	-.93		55	7	-5	-8	32		1.35	.75	-2.10	1.90		1.42		-1.68	
34.725	113.658	1.44	1.35	-.97		54	7	-5	-7	34		1.25	.90	-2.10	2.00		1.24		-1.83	
34.727	113.756	1.82	1.33	-1.72		54	9	-5	-5	35		1.40	1.00	-2.05	2.15		1.52		-1.82	
34.725	113.854	2.11	1.64	-1.04		57	6	-9	-8	33		1.35	1.00	-1.80	1.90		1.96		-1.65	
34.729	113.951	2.02	1.47	-1.17		54	10	-5	-5	36		1.55	.95	-1.65	1.90		1.70		-1.80	
34.731	114.049	1.36	1.30	-1.69		53	9	-4	-4	38		1.40	.90	-1.55	2.25		1.17		-1.94	
34.730	114.144	1.64	1.07	-1.90		55	7	-6	-5	37		.60	.75	-1.55	2.25		1.48		-2.11	
34.731	114.240	1.85	1.10	-2.09		57	5	-8	-6	35		.70	.90	-1.50	2.40		1.68		-2.25	
34.743	114.336	1.76	1.26	-2.06		58	4	-9	-7	35		.65	1.10	-1.20	1.95		1.41	.89		
34.762	114.428	1.97	.92	-2.03		57	5	-8	-5	37		.80	1.00	-.90	2.10		1.74	.68		
34.771	114.526	1.76	.70	-2.30		59	4	-10	-7	35		1.35	1.00	-.45	2.45		1.69	.58		
34.770	114.621	1.68	.83	-2.20		62	2	-13	-10	33		1.10	1.25	-.50	2.50		1.55	.68		
34.770	114.717	2.11	1.58	-1.36		61	3	-11	-9	34		1.15	1.35	-.60	2.40		1.59	.94		
34.770	114.814	1.93	1.42	-1.98		62	3	-11	-9	34		1.30	1.10	-.60	2.20		1.70	1.27		
34.770	114.911	1.89	1.33	-1.92		62	2	-11	-9	34		1.00	1.35	-.30	2.95		1.69	1.10		
34.768	115.009	1.59	1.15	-2.51		60	5	-10	-6	36		1.10	1.45	.15	2.63		1.45	.90		
34.770	115.107	1.95	.90	-2.44		58	7	-9	-4	37		1.30	1.25	.03	2.50		1.75	.74		
34.770	115.205	2.02	1.03	-2.27		56	9	-7	-2	39		1.15	1.05	-.30	2.50		1.88	1.03		
34.768	115.301	2.22	1.08	-2.32		55	10	-6	-1	40		1.30	1.05	-.45	2.50		2.02	.84		
34.769	115.399	2.01	.95	-1.95		56	9	-7	-2	38		1.50	1.00	-.30	2.50		1.81	.81		
34.771	115.497	1.96	1.67	-2.60		56	8	-7	-1	37		1.10	.75	-.30	2.25		1.82	.95		
34.770	115.591	1.71	1.05	-2.60		56	10	-6	-0	37		1.30	.55	-.15	2.45		1.71	.64		
34.770	115.686	1.77	1.19	-2.38		55	10	-4	1	36		1.00	.80	-.40	2.30		1.64	.47		
34.772	115.780	1.69	.28	-2.26		55	11	-3	2	35		1.35	.90	-.30	2.05		1.40	.27		
34.774	115.876	3.09	2.44	-1.05		55	11	-3	2	34		1.54	1.06	-.12	2.08		.95	.36		
34.776	115.971	1.43	.84	-2.48		54	12	-1	4	35		1.70	1.45	.13	1.90		.84	.19		

SUMMER 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
34.777	116.066	2.01	.24	-1.72		52	12	1	6	37		1.10	1.30	-.05	2.15		1.78	.26		
34.781	116.163	2.19	.55	-1.81		52	12	-0	6	36		1.00	1.45	0.00	2.35		1.97	.61		
34.787	116.259	1.73	.20	-2.57		52	12	-0	7	35		.95	1.30	.13	1.90		1.48	.16		
34.793	116.351	1.16	-.50	-2.51		54	11	-1	6	33		1.25	1.45	.07	1.75		.94	-.56		
34.797	116.448	.63	-.64	-2.59		54	10	-1	6	33		1.10	1.65	.27	2.40		.39	-.64		
34.785	116.544	1.03	-.24	-2.11		54	-8	-3	7	32		1.30	2.20	.45	2.57		.69	-.09		
34.774	116.635					55		-3	6	31			2.00	.80	2.50		1.09	-.09		
34.763	116.729	1.90	-.07	-2.32		54	9	-2	8	31		.62	1.75	.45	2.20		1.65	-.08		
34.751	116.822	1.95	.20	-2.82		55	10	-4	7	30		1.05	1.10	.40	2.20		1.87	-.05		
34.739	116.916	1.68	.13	-2.23		56	11	-5	8	30		1.80	.85	.50	2.20		1.45	-.24		
34.728	117.010	1.57	-.19	-2.53		56	10	-5	9	29		1.95	.65	.85	2.20		1.49	-.27		
34.716	117.105	1.52	-.43	-2.70		56	9	-5	10	29		1.20	.70	1.20	2.05		1.34	-.58		
34.705	117.200	1.23	-.91	-2.56		55	10	-3	11	29		.55	.95	1.10	1.90		1.05	-.85		
34.695	117.293	.97	-.79	-3.38		54	12	-1	12	29		1.20	1.40	1.05	1.90		.78	-.81		
34.689	117.387	1.08	-.68	-3.34		56	10	-5	9	25		1.90	1.40	1.00	1.50		.85	-.70		
34.680	117.482	1.31	-.23	-2.92		56	9	-7	10	24		1.55	1.25	1.00	.90		1.08	-.29		
34.672	117.592	1.45	-.34	-2.43		54	9	-4	12	26		1.06	1.30	1.30	.70		1.28	-.35		
34.663	117.687	1.46	-.34	-2.56		53	9	-4	13	27		1.05	1.10	1.00	.70		1.33	-.33		
34.655	117.781	1.50	-.46	-2.94		53	8	-4	15	27		.70	1.25	1.25	.50		1.31	-.63		
34.647	117.875	1.29	-.88	-3.38		53	6	-4	15	27		.48	1.30	1.35	.50		1.16	-1.12		
34.634	117.950	1.48	-.94	-2.04		52	4	-6	14	26		-.25	1.15	1.45	.48		1.50	-1.19		
34.565	117.950	1.86	-1.55	-.93		51	5	-7	15	26		-.40	1.00	1.60	0.00		1.62	-1.60		
34.524	117.870	1.47	-1.72	-.93		51	6	-5	16	28		-.80	1.00	1.35	.37		1.28	-1.72		
34.485	117.798	1.25	-1.66	-.58		50	8	-3	16	29		-.50	1.20	1.30	.95		1.23	-1.61		
34.447	117.723	1.63	-1.33	-.43		51	9	-3	15	28		0.00	1.55	1.20	1.05		1.47	-1.17		
34.409	117.646	1.62	-1.16	.09		50	10	-2	16	28		.20	1.60	1.45	.95		1.44	-1.02		
34.370	117.570	1.53	-1.00	-.14		51	9	-3	15	27		.55	1.35	1.60	.70		1.35	-1.04		
34.332	117.495	1.47	-1.05	-.52		51	10	-2	15	28		.70	.95	1.60	.70					
34.301	117.431	1.46	-1.09	-.37		51	11	-2	15	28		.75	1.10	1.55	1.00			-1.21	-.19	
34.258	117.342	1.54	-.99	-.87		53	11	-4	13	27		1.00	1.00	1.30	.95			-1.00	-.82	
34.242	117.301		-.91	-.80		54	9	-6	11	25		1.00	1.00	1.30	.70					
34.022	116.732	1.86	-1.00	-.04		54	6	-8	7	26		.64	.70	.50	1.00			-.94	-.71	
33.985	116.661	2.21	-.82	-1.64		56	4	-10	3	24		1.42	.82	.58	1.00			-.76	-1.73	
33.946	116.587	2.03	-.80	-1.06		56	4	-9	3	25		1.30	.70	0.00	1.00			-.79	-1.58	
33.908	116.512	1.64	-.82	-.98		54	5	-7	5	27		1.40	.65	.53	1.00			-.74	-1.70	
33.869	116.439	1.40	-.75	-1.02		54	6	-7	5	28		1.05	.90	.70	1.10			-.60	-1.76	
33.830	116.386	1.07	-.60	-1.77		52	6	-6	6	29		1.00	1.00	.60	1.15			-.68	-1.98	
33.767	116.316	1.31	-.72	-1.51		52	6	-6	6	29		.95	.90	.80	.75			-.71	-1.86	
33.714	116.255	.97	-.66	-1.69		53	5	-8	5	28		.65	.70	.70	1.00			-.70	-1.88	
33.660	116.195	.97	-.67	-1.75		53	4	-8	5	27		.33	.70	.80	1.00			-.64	-1.75	
33.606	116.132	1.30	-.58	-1.89		52	5	-7	6	28		.27	.70	.70	.75			-.53	-1.81	
33.608	116.043	1.74	-.78	-1.25		51	6	-6	8	30		.40	.70	.95	.45			-.78	-1.58	
33.603	115.956	1.85	-.57	-1.75		51	7	-5	7	30		.33	.85	1.20	.70			-.73	-1.62	
33.602	115.866	1.94	-.70	-1.54		53	7	-5	5	29		1.25	1.00	1.05	1.00			-.74	-1.64	
33.599	115.781	1.49	-.51	-1.72		53	8	-5	5	30		1.60	1.00	.75	1.00			-.64	-2.02	
33.600	115.692	1.44	-.46	-1.38		52	8	-4	6	30		1.20	1.05	.13	.65			-.52	-1.54	
33.598	115.605	1.58	-.20	-.92		51	7	-5	6	30		.70	.75	.02	.40			-.02	-1.20	
33.600	115.516	1.71	-.09	-1.08		51	6	-5	5	30		.27	.70	-.20	.45			.06	-1.19	
33.602	115.428	1.93	-.21	-.81		52	6	-6	4	30		.32	.50	-.05	.70			-.23	-1.44	

SUMMER 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
33.601	115.340	1.95	-.11	-1.65		52	8	-5	4	31		1.30	.70	-.05	.90			-.14	-1.69	
33.604	115.252	2.43	-.10	-1.51		53	7	-7	2	30		1.48	.46	.24	1.12			-.07	-1.80	
33.605	115.163	1.77	-.31	-1.72		53	7	-8	2	30		1.30	.40	.37	1.35			-.40	-2.03	
33.604	115.076	1.77	-.26	-2.15		55	7	-10	1	29		1.80	.50	.70	1.30			-.25	-2.04	
33.604	114.987	2.34	-.10	-1.72		54	7	-10	-0	29		1.55	.40	.70	1.30			-.08	-1.81	
33.602	114.899	2.18	.14	-1.29		54	6	-10	-0	28		1.25	.55	.47	1.15			.11	-1.67	
33.600	114.812	2.32	.20	-1.49		54	6	-10	-1	28		.80	.70	.13	.80			.24	-1.49	
33.598	114.724	2.33	.18	-1.10		53	6	-9	0	29		.55	.70	.20	.75			.20	-1.46	
33.593	114.641	1.99	.17	-1.56		53	7	-9	-0	29		1.10	.65	.38	.70			.23	-1.70	
33.588	114.551	1.81	.28	-1.46		54	6	-9	-2	28		1.35	.70	.27	.75			.44	-1.91	
33.584	114.468	1.32	.27	-2.27		53	7	-9	-1	30		1.45	.80	0.00	1.00			.29	-2.32	
33.578	114.380	1.39	.43	-2.08		54	5	-9	-2	29		1.45	.80	0.00	1.30			.49	-2.22	
33.573	114.292	1.66	.44	-1.93		55	6	-10	-4	29		1.60	.95	-.20	1.25			.54	-2.07	
33.568	114.205	2.01	.40	-1.85		54	7	-9	-3	29		1.45	.95	-.30	1.00			.51	-1.97	
33.562	114.117	2.26	.47	-1.81		54	7	-9	-3	29		1.30	.75	-.25	.90			.67	-1.91	
33.559	114.028	2.67	.69	-1.49		56	4	-11	-5	26		1.06	.82	-.30	.70			.74	-1.68	
33.553	113.939	2.66	.73	-1.41		57	1	-13	-7	24		1.25	.75	-.30	.50			.63	-1.53	
33.515	113.863		.93	-1.63		58	0	-14	-8	23		1.30	.70	-.30	1.00			.93	-1.79	
33.477	113.786																	.82	-1.97	
33.438	113.709																	.87	-2.07	
33.406	113.635																	.89	-2.00	
33.372	113.559																	.78	-1.99	
33.335	113.482																	.67	-1.96	
33.300	113.404																	.58	-2.03	
33.267	113.327																	.58	-2.03	
33.232	113.251																	.55	-1.99	
33.199	113.179																	.39	-1.95	
33.164	113.105																	36	-1.99	
33.126	113.029	1.65	.60	-1.94		55	1	-12	-7	24		1.00	0.00	.60	1.30			.61	-1.99	
33.091	112.955	1.56	.82	-1.92		56	0	-13	-9	22		1.00	0.00	.60	1.00			.69	-1.98	
33.055	112.880	1.40	.82	-1.94		55	1	-13	-8	23		1.00	0.00	.50	.95			.79	-2.02	
33.021	112.806	1.25	.77	-2.02		56	-0	-14	-9	22		1.00	0.00	.55	1.00			.73	-2.09	
32.984	112.730	1.23	.69	-2.01		56	-1	-14	-9	21		.80	0.00	.40	.85			.63	-2.09	
32.949	112.655	1.34	.77	-1.96		54	1	-12	-8	22		.95	0.00	.45	.90			.59	-2.10	
32.912	112.579	1.52	.66	-1.90		56	-1	-14	-10	20		1.10	0.00	.70	.70			.61	-1.98	
32.876	112.503	1.98	.78	-1.82		57	-2	-15	-11	19		1.05	0.00	.65	.70			.82	-1.87	
32.840	112.427	2.15	.99	-1.72		58	-3	-17	-12	18		.95	0.00	.70	.70			.96	-1.78	
32.805	112.350	2.17	1.10	-1.71		57	-2	-17	-11	19		.90	0.00	.70	1.00			.94	-1.82	
32.770	112.272	1.79	.91	-1.69		57	-3	-17	-11	18		.80	-.25	.70	1.00			.82	-1.79	
32.735	112.195	1.65	.80	-1.64		57	-3	-17	-12	18		.85	-.30	.70	1.20		1.97	.93	-1.70	
32.700	112.117	1.90	.92	-1.54		58	-4	-18	-13	17		1.05	-.30	.65	1.30		2.07		-1.63	
32.665	112.040	2.31	1.18	-1.42		57	-3	-18	-12	18		1.30	-.30	.70	1.30		2.50		-1.52	
32.629	111.961	2.47	1.20	-1.35		58	-4	-19	-14	17		.90	-.30	.70	1.35		2.57		-1.50	
32.591	111.877	2.39	1.21	-1.24		58	-4	-19	-14	16		1.20	-.30	.70	1.30		2.68		-1.44	
32.551	111.787	2.24	1.29	-1.44		57	-4	-18	-13	17		1.35	-.30	.70	1.40		2.56		-1.61	
32.511	111.700	2.00	1.12	-1.73		59	-6	-20	-15	16		1.15	-.30	1.00	1.60		2.44		-1.91	
32.479	111.622																2.29		-1.98	
32.436	111.537																1.86		-1.81	
32.399	111.446	1.70	1.60	-1.70		57	-3	-18	-13	17		1.30	-.30	1.60	1.15		1.66		-1.79	

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SUMMER 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
32.366	111.363	1.71	1.77	-1.68		59	-5	-20	-15	15		1.20	-.55	1.65	1.05		1.53		-1.76	
32.362	111.285	1.06	2.33	-1.47		59	-6	-20	-15	14		1.30	-.35	1.95	.90		.77		-1.46	
32.363	111.210	.68	2.26	-1.14		59	-7	-20	-16	14		1.12	-.36	2.20	1.48		1.10		-1.35	
32.309	111.168	.95	1.80	-1.46		59	-7	-20	-16	14		.60	-.40	2.20	1.35		1.20		-1.54	
32.256	111.125	1.11	1.98	-1.39		59	-7	-20	-16	14		.40	-.60	2.20	1.15		1.12		-1.54	

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SUMMER STABILITY TABLE - 9940 CHAIN - SEGMENT 13

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
32.090	110.912	2.12	.98	-1.59		52	2	-9	-6	22		1.36	.40	-.36	3.08		1.98	1.01		
32.058	110.866	2.11	1.03	-1.60		52	2	-9	-7	23		1.30	.40	-.30	2.70		2.13	.93		
32.024	110.807	2.61	.82	-1.71		53	0	-11	-8	20		.88	.40	-.12	2.26		2.35	.97		
32.014	110.754	2.72	1.18	-1.62		52	1	-10	-7	21		.52	.40	0.00	1.84		2.62	.90		
32.004	110.691	2.90	1.15	-1.79		53	1	-11	-8	20		1.18	.40	0.00	1.66		2.53	.94		
31.995	110.629	3.15	1.05	-1.91		52	1	-11	-8	21		1.52	.55	0.00	1.90		2.73	.69		
31.985	110.567	3.27	.60	-2.06		51	2	-11	-7	21		1.80	.40	0.00	1.90		3.02	.48		
31.987	110.504	2.70	.66	-2.14		52	1	-13	-8	19		1.40	.65	0.00	1.45		3.49	.38		
32.017	110.435	3.05	.09	-2.35		53	-2	-15	-10	18		1.15	.70	-.30	1.60		3.14	.04		
32.039	110.366	2.92	.19	-2.05		52	-3	-14	-9	17		1.30	.65	-.30	1.60		2.90	.29		
32.053	110.300	2.11	.66	-1.82		52	-3	-14	-10	17		1.30	.45	-.30	1.75		2.47	.87		
32.066	110.230	2.66	1.03	-1.46		51	-3	-14	-10	18		1.10	.40	-.30	1.80		2.55	1.03		
32.066	110.157	2.72	.77	-1.78		51	-2	-14	-10	19		.90	.27	-.30	2.10		3.16	.73		
32.061	110.082	3.21	.40	-2.07		52	-3	-16	-12	19		.70	.07	-.30	1.65		3.22	.44		
32.053	110.010	2.87	.26	-2.32		53	-3	-17	-13	17		.90	0.00	-.20	1.55		2.92	.45		
32.045	109.934	2.04	.10	-2.27		53	-4	-17	-13	17		1.00	0.00	-.05	2.00		2.43	.16		
32.036	109.853	1.66	-.10	-2.43		53	-4	-17	-13	17		1.10	.07	-.30	2.35		1.82	-.14		
32.025	109.767	1.36	-.25	-2.71		53	-4	-17	-13	17		1.20	0.00	-.30	2.25		1.48	-.18		
32.021	109.684	1.26	-.08	-2.55		51	-2	-15	-11	18		1.30	0.00	-.30	1.75		1.68	-.29		
32.014	109.597	1.70	.35	-2.15		50	-2	-14	-10	19		1.30	0.00	-.30	1.80		1.95		-2.17	
32.010	109.511	2.28	.74	-1.73		50	-2	-14	-10	20		1.35	-.15	-.30	1.90		2.31		-1.87	
32.002	109.424	1.35	.49	-1.67		49	-2	-13	-9	20		1.54	-.30	-.30	1.78		1.67		-1.94	
31.991	109.335	.60	.37	-1.87		48	-2	-12	-8	20		1.45	-.30	-.30	1.75		.79		-2.10	
31.982	109.246	.07	.23	-2.21		49	-3	-13	-9	19		1.10	-.30	-.30	1.70		.41		-2.28	
31.975	109.157	-.06	.10	-2.31		47	-3	-11	-8	20		1.00	-.30	-.40	1.60		.21		-2.37	
31.965	109.068	.25	.46	-2.14		47	-2	-10	-8	19		1.00	-.30	-.50	1.75		.25		-2.27	
31.954	108.981	.19	.54	-2.20		48	-2	-10	-10	18		.65	-.30	-.45	1.60		.33		-2.13	
31.946	108.893	.86	.91	-1.91		49	-3	-11	-11	17		.55	-.45	-.30	1.45		.93		-1.79	
31.944	108.805	.77	1.27	-1.52		48	-2	-9	-11	17		.40	-.55	-.30	1.30		.77		-1.51	
31.936	108.717	.53	1.44	-1.06		47	-1	-7	-10	19		.40	-.55	-.30	1.70		.63		-1.24	
31.927	108.629	.32	1.55	-.98		48	-2	-8	-11	19		.60	-.30	-.35	1.90		.50		-1.13	
31.914	108.542	.57	1.50	-1.06		48	-2	-8	-11	18		.85	-.30	-.45	1.90		.63		-1.12	
31.904	108.454	.71	1.51	-1.10		48	-2	-8	-11	18		1.00	-.50	-.60	1.90		.77		-1.13	
31.891	108.353	.59	1.51	-1.17		48	-3	-7	-11	18		.90	-.35	-.80	1.90		.58		-1.17	
31.882	108.280	.55	1.30	-1.32		48	-3	-7	-12	17		.50	-.30	-.90	1.80		.61		-1.30	
31.872	108.193	.42	1.25	-1.39		48	-2	-7	-12	17		.55	-.30	-.90	1.70		.41		-1.43	
31.863	108.105	.42	.91	-1.65		49	-3	-9	-14	16		.75	-.30	-.90	1.60		.44		-1.59	
31.855	108.017	.55	.65	-1.72		49	-3	-9	-14	16		.95	-.30	-.90	1.55		.41		-1.72	
31.847	107.929	.39	.51	-1.91		49	-3	-9	-14	16		1.05	-.30	-.90	1.60		.39		-1.93	
31.841	107.841	.45	.65	-2.07		48	-2	-9	-14	16		1.00	-.30	-.90	1.60		.30		-2.01	
31.839	107.753	.40	.65	-2.13		48	-2	-9	-14	16		1.30	-.30	-1.10	1.80		.27		-2.06	
31.833	107.666	.07	.61	-1.98		50	-4	-11	-16	14		1.30	-.30	-1.20	1.85		.28		-2.04	
31.828	107.582	-.22	.38	-1.91		49	-4	-10	-15	15		1.30	-.30	-1.20	1.55		.02		-2.00	
31.822	107.494	-.32	.40	-1.91		49	-4	-10	-15	16		1.30	-.30	-1.20	1.60		-.14		-1.88	
31.817	107.405	-.24	.48	-1.94		49	-4	-10	-15	15		1.25	-.30	-1.20	1.90		-.22		-2.03	
31.816	107.317	-.61	.40	-2.35		49	-4	-10	-16	15		1.10	-.30	-1.20	2.00		-.53		-2.15	
31.817	107.227	-.43	1.06	-2.10		49	-4	-13	-16	14		1.00	-.35	-1.35	1.95		-.20		-1.94	
31.819	107.138	-.02	1.57	-1.72		48	-4	-15	-15	15		1.05	-.35	-1.35	1.65		.28		-1.72	
31.820	107.048	.26	1.61	-1.40		48	-4	-13	-15	13		1.30	-.30	-1.35	1.30		.36		-1.52	

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SUMMER 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
31.820	106.958	.14	1.36	-1.39		48	-5	-12	-16	13		1.15	-.30	-1.50	1.00		.17		-1.61	
31.821	106.869	-.09	.95	-1.60		49	-6	-12	-17	11		1.00	-.45	-1.50	1.00		-.24		-1.68	
31.818	106.780	-.61	.79	-1.54		48	-5	-11	-16	12		1.00	-.40	-1.50	1.05		-.58		-1.85	
31.814	106.690	-.92	1.10	-1.77		48	-5	-10	-16	13		1.00	-.30	-1.50	1.25		-.65		-1.94	
31.814	106.600	-.99	1.20	-1.86		48	-5	-10	-16	13		.95	-.35	-1.50	1.35		-.68		-1.97	
31.811	106.511	-.98	1.03	-1.96		49	-7	-11	-17	13		.70	-.35	-1.50	1.30		-.88		-1.95	
31.807	106.422	-1.00	.96	-1.84		49	-7	-11	-17	12		.70	-.30	-1.50	1.30		-.56		-1.81	
31.807	106.333	-.69	1.03	-1.84		49	-8	-11	-18	11		.40	-.30	-1.50	1.30		-.64		-1.76	
31.810	106.245	-.17	1.16	-1.73		48	-7	-11	-17	12		.40	-.30	-1.50	1.55		.03		-1.48	
31.806	106.157	-.20	1.23	-1.14		48	-7	-11	-17	12		.40	-.30	-1.50	1.90		.02		-1.42	
31.800	106.068	-.34	1.83	-1.11		48	-7	-11	-17	12		.27	-.45	-1.50	1.75		.14		-1.36	
31.790	105.979	.03	2.01	-1.17		49	-8	-13	-18	11		.07	-.35	-1.50	1.60		.21		-1.37	
31.781	105.890	.39	2.23	-1.19		50	-9	-14	-19	11		0.00	-.30	-1.50	1.70		.64		-1.34	
31.774	105.800	.76	2.10	-1.37		50	-9	-14	-19	9		0.00	-.30	-1.50	1.45		.79		-1.29	
31.770	105.710	.53	2.27	-1.55		49	-8	-13	-18	9		0.00	-.50	-1.50	1.30		.81		-1.40	
31.764	105.619	.66	2.45	-1.29		49	-8	-13	-18	9		0.00	-.60	-1.65	.95		1.01		-1.30	
31.762	105.530	.91	2.53	-1.30		49	-8	-13	-18	9		0.00	-.60	-1.55	.38		1.26		-1.15	
31.759	105.423	1.32	2.48	-1.28		49	-8	-13	-18	8		-.17	-.60	-1.76	.33		1.64		-1.02	
31.755	105.321	1.44	2.35	-1.05		49	-8	-14	-18	8		0.00	-.64	-1.80	.49		1.82		-1.10	
31.751	105.231	1.35	2.59	-1.04		49	-8	-14	-19	8		-.10	-.85	-1.80	.75		1.83		-1.10	
31.748	105.143	1.43	2.62	-.93		50	-9	-15	-20	8		0.00	-.90	-1.80	1.05		2.07		-.81	
31.743	105.038	2.11	2.63	-.90		50	-9	-16	-21	7		0.00	-.90	-1.80	1.34		2.38		-.74	
31.755	104.953	2.36	2.43	-.98		50	-9	-16	-21	7		0.00	-.90	-1.80	1.75		2.84		-.70	
31.769	104.851	2.63	1.80	-.96		49	-8	-15	-20	8		-.26	-.90	-1.80	1.90		3.01		-.76	
31.751	104.751	2.67	2.08	-.17		50	-9	-19	-22	6		-.30	-.90	-1.80	2.00		2.79		-.42	
31.712	104.678	2.92	2.20	-.67		49	-9	-20	-22	7		-.30	-.90	-1.80	2.08		3.32		-.68	
31.670	104.602	3.18	1.92	-.76		50	-10	-21	-23	8		-.20	-.90	-1.80	1.90		3.51	3.15	-.84	
31.632	104.523	3.32	1.84	-.83		50	-10	-21	-23	6		-.30	-.90	-1.80	1.85		3.93	3.25	-.86	
31.601	104.457	2.71	1.97	-.91		50	-11	-21	-23	6		-.30	-.90	-1.80	1.90		3.33		-.94	
31.558	104.363	2.14	2.05	-.91		51	-12	-22	-24	5		-.30	-.90	-1.80	1.90		3.42		-.94	
31.522	104.282	2.35	2.42	-.86		51	-12	-22	-24	5		-.30	-.90	-1.80	1.90		3.30		-1.13	
31.481	104.189	2.58	2.84	-.89		50	-12	-22	-23	5		-.30	-.90	-1.80	1.85		3.32		-1.15	
31.450	104.122	2.43	2.72	-.90		50	-12	-22	-24	5		-.35	-.90	-1.80	1.95					
31.406	104.028	2.40	2.22	-.96		51	-13	-23	-25	3		-.45	-1.10	-1.80	1.95					
31.370	103.948	2.31	2.18	-.98		51	-14	-23	-25	3		-.50	-1.20	-1.80	1.90			3.41	-1.38	
31.333	103.868	1.60	2.16	-1.17		52	-15	-24	-27	2		-.60	-1.20	-1.80	2.05					
31.299	103.787	1.49	2.83	-1.39		52	-15	-24	-27	2		-.60	-1.20	-1.80	2.20					
31.264	103.706	1.51		-1.56		51	-14	-23		3		-.60	-1.20		2.10					
31.232	103.623	1.63		-1.66		52	-15	-24		2		-.60	-1.20		2.20					
31.200	103.541	1.64		-1.69		53	-16	-25		1		-.60	-1.20		1.90					
31.168	103.459	1.34		-1.71		53	-16	-25		-0		-.70	-1.25		1.90					
31.135	103.379	1.51		-1.40		53	-16	-26		0		-.90	-1.33		1.90					
31.097	103.283	1.80		-1.13		52	-15	-25		1		-.90	-1.20		2.10					
31.075	103.217	1.41		-.87		54	-18	-27		-1		-.90	-1.38		1.95					
31.027	103.141			-.91		54	-18			-1		-.90			1.90					
30.990	103.064			-1.16		55	-19			-2		-.90			2.05					
30.951	102.971			-1.59		55	-19			-2		-.90			2.15					
30.928	102.886			-1.65		56	-20			-4		-.90			2.20					
30.909	102.800			-1.42		56	-20			-4		-.90			2.16					

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SUMMER STABILITY TABLE - 9940 CHAIN - SEGMENT 13

REFERENCE LAT DEG	REFERENCE LONG DEG	ONI-7000#1 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
30.902	102.699			-.95		56	-20			-4		-.90			1.90					
30.896	102.609			-.76		56	-21			-4		-.90			1.90					
30.890	102.522			-.48		55	-20			-4		-.90			1.80					
30.881	102.431			-.65		55	-20			-4		-.90			1.90					
30.875	102.327			-.82		57	-22			-6		-.90			1.90					
30.865	102.224			-.89		57	-22			-7		-.90			1.90		4.69		-1.17	
30.858	102.135			-.84		56	-21			-6		-.90			1.90		4.60		-1.32	
30.850	102.047			-.87		55	-20			-5		-.90			1.90					
30.841	101.944			-1.07		55	-20			-6		-1.50			1.60					
30.831	101.855			-1.19		56	-21			-8		-1.50			1.50					
30.821	101.765			-1.06		56	-22			-8		-1.50			1.30					
30.810	101.680			-1.17		56	-22			-9		-1.50			1.30					
30.797	101.578			-1.16		57	-23			-10		-1.50			1.15					
30.784	101.487			-1.97		57	-23			-10		-1.50			1.00					
30.770	101.402			-1.49		57	-23			-10		-1.50			1.00					
30.757	101.329			-.91		57	-23			-10		-1.50			1.00					
30.743	101.224			-1.05		56	-22			-10		-1.50			1.00					
30.732	101.137			-1.31		57	-23			-11		-1.50			1.00					
30.720	101.048			-1.70		57	-24			-11		-1.50			1.00					
30.711	100.947			-2.13		57	-24			-11		-1.50			1.00					
30.704	100.842			-1.73		57	-25			-11		-1.50			1.00					
30.698	100.753			-.66		57	-25			-11		-1.50			1.00					
30.694	100.666			-1.33		58	-26			-12		-1.50			.91					
30.691	100.576			-2.25		58	-27			-12		-1.50			.95					
30.687	100.472			-1.98		58	-27			-12		-1.50			1.00					
30.676	100.368			-.85		59	-28			-13		-1.50			.95					
30.662	100.280			-1.95		59	-28			-17		-1.50			.70					
30.648	100.207			-.70		59	-28			-20		-1.50			.70					
30.634	100.118			-2.20		59	-28			-19		-1.50			.76					
30.617	100.014			-.38		60	-29			-19		-1.50			.75					
30.602	99.925			-1.61		60	-29			-19		-1.50			.83					
30.585	99.822			-1.39		60	-30			-20		-1.50			.74					
30.568	99.719			-1.55		59	-29			-21		-1.50			.75					
30.560	99.630					59	-29			-19		-1.50			.70					
30.552	99.541																			
30.547	99.466																			

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SUMMER 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
39.447	74.433		-1.78	-1.87	1.20	60	13		10	8	-9	2.20		1.20	2.90	1.60		-2.16	-1.70	
39.495	74.397		-1.74	-.74	.76	58	15		12	11	-7	2.50		1.60	2.50	1.60		-1.14	-.99	
39.546	74.193		-.47	-.73	1.19	60	13		11	8	-9	2.30		1.60	2.10	1.40		-1.38	-1.00	
39.566	74.110			-.84	1.23	62	11		9	6	-11	2.20		1.60	2.20	1.60		-1.46	-.94	
39.625	73.957		-1.52	-1.74	1.27	61	13		11	8	-11	2.20		1.60	2.20	1.60		-1.49	-1.81	
39.730	73.709		-1.05	-1.03	1.22	60	13		13	8	-11	2.90		1.80	2.20	1.60		-.89	-.92	
39.775	73.592		-1.72	-2.03	1.15	60	13		13	7	-12	2.35		1.60	2.20	1.45		-1.32	-1.62	
39.840	73.572		-1.37	-2.37	1.00	61	12		12	6	-12	2.10		2.20	2.30	1.30		-1.43	-2.10	
39.912	73.555		3.01	-2.12	.95	62	11		12	5	-12	2.20		1.90	2.20	1.30		-1.56	-2.07	
40.184	73.227		-.36	-1.22	1.23	62	11		13	4	-12	2.70		1.82	2.05	1.60		-.45	-1.17	
40.267	73.119	2.16	-.07	-.58		63	10	-15	12	3		2.50	-.90	1.90	1.90			.32	.20	
40.342	73.023	3.01	.94	1.22		62	11	-14	14	4		2.50	-1.35	1.90	2.05			1.35	1.28	
40.371	72.988	3.25		.99		62	11	-14	14	3		2.20	-.90	1.90	1.90			1.11	.88	
40.471	72.850	2.89	.25	.63		63	10	-15	14	2		2.70	-1.05	1.90	1.90			.65	.48	
40.543	72.752	2.10	-.56	.04		64	10	-15	14	1		2.70	-.90	2.05	1.90			.30	.07	
40.619	72.662	2.02	-.44	-.15		64	8	-15	13	0		2.40	-.50	2.00	1.90			-1.00	-.45	
40.718	72.525	1.69	-1.35	-.56		63	8	-14	15	1		2.20	.40	1.90	1.90			-.86	-.67	
40.763	72.459	1.45	-1.04	-.69		64	6	-14	15	1		1.75	.40	1.90	1.90			-1.52	-1.46	
40.915	72.313	3.73	-.50	-.59		63	8	-13	16	0		2.20	-.30	2.00	1.90			-1.24	-.89	
41.006	72.194	.57	-1.91	-.80		63	7	-12	17	0		1.90	-.30	1.80	2.00			-1.81	-1.01	
41.051	72.132	.63	-1.60	-.88		63	7	-11	18	-1		1.90	.05	2.05	1.90			-1.57	-.88	
41.125	72.037	.79	-1.48	-1.04		63	7	-11	19	-1		1.75	.40	2.05	1.60			-1.64	-1.16	
41.201	71.944	.47	-1.68	-.96		65	3	-13	17	-3		1.60	.50	2.00	1.60			-1.60	-1.10	
41.260	71.877	.41	-1.52	-.81		67	-1	-15	16	-5		1.00	.55	2.20	1.75			-1.34	-1.10	
41.338	71.785	.29	-.97	-.85		67	-2	-14	16	-6		.70	.70	2.05	1.60			-1.23	-1.09	
41.365	71.749	.17	-1.03	-.77		67	-2	-13	17	-6		.70	.70	2.20	1.45			-.90	-.85	
41.441	71.653	.39	-.98	-1.03		66	-1	-11	17	-5		.70	.90	2.10	1.50			-.49	-1.11	
41.525	71.391	.08	-.32	-.44		68	-4	-10	17	-8		1.15	2.05	1.75	1.00			-.26	-.29	
41.532	71.282	.30	-.68	-.92		69	-6	-10	16	-9		.55	1.90	2.05	1.30			-.07	-.72	
41.554	71.238	.20	-.35	-1.52		69	-6	-10	16	-10		0.00	1.30	2.50	1.90			-.48	-1.49	
41.678	71.056	-.06	-.27	-1.15		66	-2	-7	19	-7		.80	1.70	2.00	1.40			-.19	-1.10	
41.834	70.977	1.26	-1.03	-1.62		69	-5	-8	15	-11		.90	1.80	1.90	1.20			-2.24	-4.99	
41.988	70.899	.35	-.49	-1.54		66	-2	-5	16	-9		.70	1.90	1.80	1.00		.77	-.74		
42.097	70.848	.56	.56	-.71		64	-0	-2	18	-8		.40	1.90	1.50	1.10		.86	.32		
42.145	70.827	2.08	-.20	-.58		65	-1	-2	18	-9		.85	1.90	1.60	1.00		.47	-.26		
42.216	70.789	2.35	-1.17	-1.82		65	-1	-2	17	-9		1.00	1.90	1.60	1.00		-.01	-1.13		
42.317	70.679	.35	-1.30	-.99		67	-2	-4	16	-12		1.50	2.00	2.00	1.10		.36	-1.04		
42.497	70.588	-.23	-1.57	-.89		67	-3	-3	15	-12		.70	1.90	2.20	.85		-.19	-1.88		
42.584	70.602	.20	-1.22	-.61		67	-4	-3	15	-12		.85	2.05	1.90	1.30		.22	-1.66		
42.674	70.605	.56	-1.76	-.96		65	-2	-1	17	-11		.40	1.90	1.75	1.15		.39	-2.20		
42.764	70.605	.49	-1.62	-.43		66	-2	-2	15	-14		.40	1.60	1.90	.70		.61	-1.86		
42.853	70.600	1.84	-1.55	-.26		64	-0	-0	16	-12		1.00	2.00	1.90	.70		.89	-1.83		
42.942	70.593	1.72	-1.96	-.49		64	-0	0	16	-12		.70	1.90	1.90	.90		.74	-2.43		
43.031	70.589	2.53	-2.18	-.25		64	-1	1	16	-12		.40	1.90	1.75	1.15		1.16	-2.38		
43.121	70.586	1.93	-3.82	-1.14		64	-1	1	16	-13		.40	1.60	1.60	1.00		1.12	-3.24		
43.210	70.579	1.33	-2.98	-.74		63	-1	1	15	-13		.40	1.75	1.90	1.15		1.91	-2.81		
43.300	70.573	1.71	-2.27	-.87		61	1	2	17	-11		.50	1.80	1.90	.70		1.72	-2.68		
43.375	70.559	2.47	-1.88	-.92		62	-0	1	16	-14		.70	1.50	1.80	.50		2.00	-1.69		
43.486	70.479	.95	-3.75	-.38		61	0	2	16	-14		.50	1.50	1.50	.50		2.34	-1.07		

SUMMER 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
43.569	70.347	-2.29	-6.15	-2.19		61	-1	3	16	-14		-.10	1.60	1.90	.40		-2.19	-7.38		
43.677	70.154	-.44	-4.70	-1.27		60	-1	5	17	-11		0.00	1.60	2.20	.40		-.13	-3.50		
43.758	70.090	.70	-3.90	-1.61		58	1	7	19	-9		-.60	1.60	2.20	.50		.02	-3.72		
43.929	69.923	.34	-3.00	-.70		58	-2	8	17	-9		-.70	1.70	1.70	1.30		.57	-2.95		
44.048	69.745	.58	-3.16	-.71		56	-1	11	17	-8		-1.20	1.70	1.60	1.00		.65	-3.12		
44.133	69.605	.47	-3.70	-1.10		57	-3	11	16	-9		-1.10	2.00	1.60	1.00		.72	-3.67		
44.188	69.525	.46		-1.48		56	-2	12	16	-9		-1.50	1.60	1.60	.70		1.12	-3.86		
44.340	69.355	-.64	-4.15	-1.18		57	-4	13	15	-11		-.90	1.75	1.60	.55		-.40	-4.43		
44.373	69.327	-1.03	-4.98	-1.54		56	-3	13	15	-10		-1.20	1.60	1.60	.70		-.67	-4.90		
44.463	69.251	.86	-4.95	-1.47		55	-3	15	15	-10		-.90	1.60	1.00	.40		-.75	-4.96		
44.588	69.146	1.17	-5.56	-1.92		55	-4	16	14	-10		-.90	1.60	1.00	.40		-1.18	-5.80		
44.666	69.056																-1.97	-1.67		
44.857	68.857	1.45	-1.79			57	-6	17	10			-.90	2.20	1.00			-1.97	-2.34		
45.044	68.648	-2.21	-2.20			58	-7	17	9			-.70	2.00	1.10			-1.70	-2.53		
45.144	68.523	-2.52	-2.02			58	-8	17	8			-.40	1.80	1.00			-2.55	-2.26		
45.217	68.436	.87	-2.53			58	-8	17	8			-.60	1.60	1.00			-1.41	-2.74		
45.289	68.353	-2.59	-2.83			60	-10	17	6			-.90	1.90	1.00			-2.03	-2.82		
45.343	68.299	-1.18	-2.87			59	-9	18	5			-.75	1.75	1.00			-2.21	-2.60		
45.433	68.218	-2.17	-2.24			59	-10	19	4			-.60	1.90	.55			-2.17	-2.46		
45.548	68.120	-1.71	-2.99			62	-13	17	0			-.60	1.90	.40			-2.09	-2.80		
45.643	68.050	-1.47	-2.27			61	-14	19	0			-.97	1.90	.20			-2.42	-2.42		
45.739	67.974	-1.33	-2.27			63	-17	19	-2			-1.05	1.90	0.00			-2.25	-2.10		
45.866	67.914	-2.48	-2.02			65	-19	17	-4			-1.05	1.90	.40			-2.38	-2.23		
45.930	67.887	-2.19	-1.70			66	-20	18	-6			-1.20	1.90	0.00			-2.31	-2.03		
46.071	67.832	-2.50	-2.11			67	-22	18	-7			-1.20	1.75	0.00			-2.26	-2.28		
46.159	67.842	-.84	-2.14			70	-25	16	-13	b		-1.20	1.80	.13			-2.10	-2.08		
46.669	68.047					82	b	b 18	-26				2.20	.27			-2.32	-3.40		
46.739	68.087					85		17	-30				2.35	.70			-2.25	-3.39		
46.739	68.243					87		13	-29				2.20	.70			-3.51	-2.57		
46.619	68.631					83		8	-28				2.20	0.00			-3.94	-3.04		
46.590	68.722					82		7	-28				2.20	-.40			-4.10	-3.19		
46.561	68.815					81		7	-25				1.90	-.60			-4.03	-3.03		
46.508	68.967					80		6	-25				2.10	-.90			-4.53	-3.03		
46.459	69.103					79		6	-22				2.20	-.60			-4.42	-2.99		
46.425	69.210					77		7	-20				1.90	-.75			-4.39	-2.86		
46.392	69.318					76		6	-17				1.90	-.60			-4.39	-2.92		
46.361	69.428					74		8	-13				2.05	-.60			-4.45	-2.87		
46.328	69.537					67		14	-6				1.90	-.20			-4.60	-2.80		
46.302	69.630					62		18	-1				1.90	0.00			-3.80	-2.77		
46.269	69.741					60		19	-0				1.90	0.00			-4.53	-2.75		
46.224	69.878					59		20	3				1.90	0.00			-4.57	-2.71		
46.138	70.064					55		21	5				1.60	.40			-4.47	-2.69		
46.094	70.204					54		22	5				1.60	0.00			-3.65	-2.96		
46.078	70.316					54		21	4				1.60	.20			-2.07	-3.30		
46.072	70.365		-1.83			54		21					1.60	-.30			-1.74	-3.08		
45.939	70.793	-.16	-1.77			55	3	19	3			-.60	1.90	-.30			-.28	-1.77		
45.905	70.937	.05	-1.65			54	4	19	4			-.45	1.90	-.15			-.24	-1.86		
45.875	71.030	.28	-1.45			56	3	18	3			-.15	2.20	-.30			.11	-1.58		
45.844	71.122	.66	-1.37			55	5	18	4			.20	2.20	-.60			.00	-1.39		

SUMMER 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
45.809	71.230	.32	-1.32			56	5	16	1			.50	2.20	-.60			-.13	-1.41		
45.753	71.435	.14	-1.06			55	7	16	2			.70	1.90	-.30			-.03	-1.09		
45.699	71.642	.47	-.99			55	7	15	3			.70	1.90	-.60			.18	-1.19		
45.633	71.897	-.41	-1.52			54	9	15	3			.27	2.00	-.50			.47	-1.11		
45.586	72.107	.69	-1.44			55	9	15	3			.20	1.90	-.75			.61	-1.09		
45.560	72.219	.65	-1.45			54	10	14	2			.60	1.90	-.60			.42	-1.53		
45.520	72.378	.50	-.87			56	8	12	0			.40	1.90	-.90			.23	-1.01		
45.483	72.538	.70	-.57			56	9	11	0			.60	1.90	-.90			.39	-.50		
45.451	72.684	.53	-.41			56	9	11	1			.40	2.00	-.90			.00	-.71		
45.438	72.749	.07	-2.08			55	11	12	1			.40	2.20	-.60			.05	-.56		
45.385	72.904	-.78	-.34			56	10	10	0			.40	1.70	-.60			.21	-.63		
45.261	73.253	1.19	.12			56	11	10	-1			.70	1.60	-.90			1.13	.17		
45.236	73.352	.86	-.06			56	11	10	-1			.55	1.60	-.90			.23	-.54		
45.167	73.566	-.08	-.96			56	11	10	1			.40	1.60	-.75			-.12	-.71		
45.137	73.660	-.98	-.99			54	13	11	2			.40	1.60	-.75						
45.108	73.754	-.74	-1.04			56	12	10	-1			.40	1.60	-.60			-1.79	-1.46		
45.081	73.848	-1.19	-1.81			53	15	11	2			.20	1.60	-.60			-1.45	-1.20		
45.054	73.941	-2.33	-.89			53	16	12	3			0.00	1.90	-.45			-.74	-.87		
44.954	74.568	.07	.61			57	16	6	-5			1.00	1.75	-.90			-.25	-.07		
44.833	74.678	.11	.03			56	18	6	-6			1.20	1.80	-.90			.35	.41		
44.734	74.567	-.45	-.00			56	16	5	-5			.70	1.60	-1.20			.03	.02		
44.616	74.453	.79	1.10		2.66	55	16	3	-3		-8	.40	1.20	-1.00		-.60	.24	.15		
44.536	74.372	.24	-.27		1.14	55	18	3	-3		-9	.70	.70	-1.20		-.45	.07	-.17		
44.436	74.257	-.21	.07		.84	56	16	2	-3		-10	.55	.70	-.90		-.90	-.28	-.15		
44.399	74.217	-.57	-1.06		.33	55	16	3	-2		-10	.40	.70	-.90		-.60	-.73	.57		
44.297	74.218	-1.98	-1.72		1.03	57	14	0	-5		-12	.40	1.00	-1.30		-.20	-1.10	-.51		
44.278	74.263	-4.11	-1.65		1.35	58	14	-1	-6		-14	.40	.70	-1.50		.40	-.35	-1.80		
44.100	74.401	-1.12	-1.91		1.28	57	17	-2	-4		-11	.70	.90	-1.80		.27	-1.26	-1.86		
44.028	74.446	-.96	-1.83		1.33	57	17	-3	-4		-10	.70	0.00	-1.50		.70	-.78	-1.70		
43.803	74.593	-1.10	-1.79		1.77	60	18	-10	-7		-12	1.00	-.10	-1.00		.90	-1.13	-1.65		
43.735	74.647	-1.50	-1.68		1.97	60	18	-10	-6		-12	.70	-.60	-.90		.70	-1.01	-1.66		
43.660	74.718	-1.54	.23		4.62	63	17	-13	-8		-14	1.60	-.60	-.75		1.00	-1.39	-1.70		
43.555	74.813	2.26	.62		1.76	66	16	-16	-11		-16	2.10	.03	-1.10		.90	1.43	.33		
43.481	74.848	2.45	1.39		1.85	64	18	-15	-8		-13	2.20	.40	-.90		1.00	2.34	.97		
43.395	74.896	2.72	.70		2.81	65	19	-17	-9		-12	2.20	.13	-.90		.90	2.68	1.21		
43.279	74.981	-.46	1.13		1.82	66	18	-19	-9		-12	2.20	.40	-.60		1.00	2.85	1.09		
43.198	75.041	2.77	1.00		2.86	66	19	-20	-7		-12	2.20	-.60	-.30		1.20	2.77	1.06		
43.129	75.091	2.55	.78		2.03	66	19	-21	-6		-11	2.20	-.60	-.30		1.30	2.63	.97		
43.024	75.190	3.21	1.03		3.16	68	18	-24	-8		-14	1.90	-.90	.40		1.00	2.89	.32		
43.035	75.337	3.39	1.26		2.10	67	19	-23	-6		-13	1.90	-.90	.20		1.45	3.53	.88		
43.040	75.437	2.89	.92		2.11	67	20	-23	-7		-12	1.90	-1.05	.20		1.15	3.26	1.03		
43.046	75.536	3.19	1.44		2.10	67	22	-21	-7		-12	1.90	-1.05	0.00		1.30	2.89	.90		
43.093	75.812	3.34	1.47		3.66	70 b	20 b	-23 b	-10 b		-14 b	2.20	-.90	-.15		1.60	3.62	1.69		
43.134	76.023	3.04	1.40		1.95	71	20	-24	-12		-15	2.20	-1.20	.20		1.15	3.08	1.41		
43.162	76.285	2.77	1.50		3.42	70	23	-23	-11		-14	1.90	-.80	.60		1.00	3.00	1.46		
43.146	76.452	3.17	1.73		2.00	70	25	-22	-11		-14	2.20	-.60	.90		1.00	3.09	1.39		
43.134	76.602	3.50	1.90		2.02	71	25	-23	-13		-15	2.35	-.45	.40		.85	3.67	1.94		
43.134	76.702	3.68	2.27		1.93	71	26	-22	-13		-14	2.50	-.30	.40		.55	3.39	1.77		
43.140	76.970	4.22	2.40		3.71	73	24	-25	-15		-16	2.50	.13	1.00		.70	4.37	2.42		

SUMMER 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
43.138	77.072	3.74			2.44	76	20	-27	-18		-19	2.50	.40	.40		.70	3.73	2.18		
43.130	77.370	4.10	2.60		2.25	74	21	-25	-17		-16	2.20	.20	.55		1.00	3.63	2.52		
43.126	77.645	4.07	2.61		2.55	73	20	-24	-16		-14	2.40	.90	.50		1.00	4.29	2.64		
43.084	77.901	3.91	2.57		2.15	74	17	-25	-17		-15	1.90	.40	.40		1.00	4.07	2.74		
43.040	78.066	4.47	2.42		2.29	73	17	-24	-17		-14	2.35	.85	.70		.85	4.04	2.53		
43.024	78.162	2.96	2.35		2.79	73	16	-24	-17		-14	2.50	.85	.55		.55	3.05	2.47		
43.014	78.252	2.83	2.39		2.65	73	16	-24	-17		-13	2.20	1.00	.20		.70	2.87	2.38		
43.023	78.327	3.15	2.43		-.43	71	17	-22	-15		-10	2.20	.40	.40		.70	3.13	2.41		
43.054	78.455	3.06	2.40		-.79	69	19	-20	-13		-8	2.20	.85	.40		1.00	3.34	2.58		
43.077	78.546	1.76	2.42		.53	68	19	-18	-12		-7	2.10	.70	.40		1.10	2.16	2.63		
43.044	78.589	2.17	2.38		-1.60	66	22	-16	-10		-4	1.90	.55	.40		1.00	2.42	2.74		
43.015	78.626	2.44	3.21		-2.71	67	20	-17	-11		-5	2.05	.55	.70		1.30	2.54	2.53		

SUMMER 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
42.848	78.809																			
42.866	78.728																			
42.887	78.649																			
42.910	78.547																			
42.931	78.459																			
42.954	78.348																			
42.975	78.238																			
42.995	78.147																			
43.023	78.039																			
43.053	77.934																			
43.055	77.829																			
43.111	77.732																			
43.186	77.677																			
43.217	77.761																			
43.265	77.889																			
43.286	77.946																			
43.315	78.032																			
43.377	78.109																			
43.427	78.177																			
43.472	78.251																			
43.518	78.324																			
43.579	78.422																			
43.602	78.477																			
43.639	78.609																			
43.654	78.702																			
43.670	78.794																			
43.687	78.869																			
43.709	78.959																			
43.733	79.065																			
43.760	79.170																			
43.791	79.255																			
43.828	79.358																			
43.861	79.441																			
43.891	79.529																			
43.926	79.632																			
43.962	79.716																			
44.008	79.789																			
44.047	79.851		2.57																	
46.438	85.128		2.45	2.93	-.61	50	13		-15	-9	13	2.05			-.30	0.00	1.80			
46.441	85.236		2.20	2.83	-.26	51	13		-16	-10	12	2.10			-.30	0.00	1.90			
46.445	85.344		2.00	2.89	-.16	50	14		-15	-9	13	2.50			-.30	-.15	1.75			
46.448	85.452		1.87	2.64	-.74	52	12		-17	-11	11	2.63			-.30	-.30	1.65			
46.450	85.561		1.87	2.74	-1.00	53	11		-18	-12	11	2.63			-.30	-.30	2.10			
46.453	85.669		2.02	3.05	-1.24	51	12		-16	-10	12	2.50			-.60	-.30	1.55			
46.451	85.778		2.17	3.33	-.98	50	13		-15	-9	13	2.30			-.60	-.30	1.30			
46.449	85.887		2.04	3.10	-1.36	50	12		-15	-10	13	2.20			-.60	-.30	1.30			
46.447	85.996		1.66	2.78	-1.43	50	12		-15	-10	14	2.20			-.60	-.30	1.55			
46.449	86.105		1.57	2.70	-1.51	53	9		-19	-13	10	2.40			-.60	-.30	1.45			
46.452	86.214		1.79	2.71	-1.50	51	11		-17	-11	12	2.35			-.60	-.30	1.60			

SUMMER STABILITY TABLE - 9960 CHAIN - SEGMENT 2

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
46.455	86.323		1.72	2.75	-1.08	51	11		-17	-11	12	2.20		-.60	-.50	1.35				
46.472	86.429		2.12	2.35	-1.42	50	11		-16	-10	12	2.45		-.60	-.55	1.60				
46.498	86.531		2.17	3.07	-1.04	50	11		-16	-10	12	2.20		-.60	-.60	1.40				
46.507	86.639		2.38	3.09	-1.26	50	11		-16	-10	12	1.80		-.60	-.60	1.05				
46.515	86.748		1.93	3.08	-.90	54	6		-20	-14	8	2.10		-.60	-.60	1.05				
46.523	86.857		1.83	2.75	-1.17	51	9		-17	-12	12	2.40		-.60	-.60	1.60				
46.535	86.966		2.02	2.88	-.99	54	6		-20	-15	8	2.50		-.60	-.60	1.10				
46.555	87.071		1.77	2.75	-1.11	51	9		-17	-12	11	2.50		-.60	-.60	1.30				
46.594	87.167		2.13	2.59	-1.13	52	8		-18	-13	10	2.35		-.60	-.75	1.70				
46.626	87.261		1.49		-.90	52	8		-18		10	2.35		-.60		1.25				
46.629	87.372		1.65		-1.24	51	8		-18		10	2.20		-.85		1.15				
46.662	87.470		2.19		-1.40	49	10		-16		10	2.20		-.90		1.00				
46.661	87.580		2.24		-1.25	51	9		-18		9	2.30		-.90		.70				
46.647	87.687		1.45		-1.17	52	6		-19		9	2.40		-.90		1.15				
46.624	87.799		1.72		-1.85	50	8		-17		11	2.40		-.90		1.45				
46.598	87.904		2.11		-1.68	50	8		-17		11	2.45		-.90		1.15				
46.568	88.010		.94		-1.35	50	8		-17		10	2.20		-.90		1.15				
46.548	88.121		1.79		-1.37	49	8		-16		12	2.40		-.90		1.30				
46.543	88.236		1.82		-.95	49	6		-16		12	2.45		-.90		1.35				
46.536	88.351		1.52		-.88	49	5		-17		12	2.20		-.90		1.45				
46.539	88.467		2.40		-.90	49	6		-17		12	2.15		-1.00		1.60				
46.542	88.583		1.46		-.39	50	6		-18		11	2.05		-1.15		1.55				
46.544	88.699		2.00		-.07	50	6		-19		11	2.20		-1.00		1.45				
46.546	88.814		1.79		-.08	49	6		-19		11	2.05		-.90		1.10				
46.541	88.929		2.15		-.32	49	6		-19		10	2.10		-1.15		1.20				
46.535	89.042		.97		-.21	50	4		-20		9	2.20		-1.50		1.00				
46.530	89.156		1.33		.15	49	5		-19		10	2.05		-1.50		1.05				
46.524	89.270		1.76		.04	49	5		-20		10	1.65		-1.50		1.35				
46.517	89.383		2.07		.01	48	5		-19		11	1.70		-1.50		1.25				
46.514	89.496		1.74		-.12	47	6		-18		12	1.70		-1.50		1.40				
46.510	89.609		1.84		-.22	47	6		-18		12	1.40		-1.50		1.40				
46.508	89.720		2.32		-.26	48	4		-19		11	1.15		-1.50		1.25				
46.509	89.833		1.93		-.24	49	4		-20		11	1.40		-1.50		1.45				
46.509	89.944		1.35		-.10	48	4		-19		12	1.66		-1.74		1.66				
46.524	90.056		2.48		-.24	48	3		-19		11	1.65		-1.80		1.45				
46.535	90.167		2.13		-.49	48	4		-19		12	1.60		-1.80		1.15				
46.548	90.278		1.93		-.67	48	3		-20		10	1.60		-1.80		1.10				
46.561	90.387		1.75		-1.03	48	3		-20		10	1.25		-1.80		1.00				
46.574	90.497		1.81		-.64	48	3		-20		10	1.40		-1.80		1.35				
46.582	90.609		3.18		-.75	48	2		-21		10	1.60		-1.80		1.10				
46.589	90.721				-.76	48	2				11	1.55				1.05				
46.595	90.834				-1.07	50	0				9	1.30				1.05				
46.600	90.947				-.85	49	1				10	1.05				1.40				
46.606	91.060				-1.03	48	2				11	1.20				1.60				
46.616	91.173				-1.27	50	1				10	1.45				1.60				
46.629	91.290				-.73	49	1				10	1.60				1.40				
46.645	91.409				-.97	48	0				10	1.60				1.15				
46.658	91.489				-.77	48	0				10	1.60				1.00				
46.675	91.610				-1.30	48	1				10	1.60				1.30				

SUMMER 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
46.905	92.361																			
46.908	92.450																			
46.917	92.535																			
46.936	92.618																			
46.965	92.695																			
46.987	92.788				-1.09	51	-4				7	-.60				2.20				
47.000	92.856				-.84	51	-4				6	-.70				1.90				
47.017	92.940				-.87	51	-5				6	-.75				2.15				
47.036	93.024				-1.26	51	-5				5	-.90				2.20				
47.059	93.110				-.95	52	-6				4	-.85				2.40				
47.084	93.205				-1.01	52	-6				5	-.90				2.45				
47.109	93.307				-.99	52	-6				5	-1.00				2.20				
47.134	93.412				-1.29	51	-6				5	-1.20				1.90				
47.161	93.515				-1.15	51	-6				6	-1.20				1.90				
47.189	93.620				-1.20	51	-6				6	-1.30				1.95				
47.221	93.721				-1.48	51	-6				5	-1.50				2.20				
47.252	93.822				-1.39	52	-7				4	-1.50				2.20				
47.282	93.924				-1.42	52	-7				4	-1.70				2.00				
47.318	94.045				-1.34	52	-8				4	-1.80				1.95				
47.344	94.130				-1.34	53	-9				3	-1.90				1.65				
47.372	94.235				-1.23	54	-10				2	-2.10				1.40				
47.386	94.346				-1.50	56	-12				-0	-2.10				1.80				
47.398	94.458				-1.63	56	-12				-0	-2.10				1.85				
47.415	94.570				-1.90	54	-10				2	-2.17				1.95				
47.452	94.667				-2.58	53	-9				2	-2.43				1.80				
47.502	94.756				-1.84	52	-9				3	-2.50				1.90				
47.539	94.856				-1.28	51	-8				4	-2.55				2.20				
47.558	94.968				-1.68	51	-8				4	-2.70				2.30				
47.579	95.079				-2.01	51	-8				3	-2.70				2.10				
47.594	95.191				-1.92	52	-9				2	-2.60				2.05				
47.614	95.301				-1.89	51	-8				3	-2.56				2.14				
47.639	95.410				-1.67	52	-10				2	-2.65				2.20				
47.661	95.518				-1.77	51	-9				3	-2.80				2.45				
47.685	95.627				-2.40	52	-10				2	-2.80				2.50				
47.707	95.738				-2.29	52	-10				2	-2.80				2.50				
47.728	95.847				-2.24	52	-10				2	-2.80				2.50				
47.736	95.959				-2.28	52	-10				2	-2.80				2.30				
47.743	96.075				-2.26	51	-9				2	-2.80				2.45				
47.758	96.184				-2.47	52	-10				1	-2.50				2.50				
47.771	96.296				-2.30	52	-10				2	-2.80				2.50				
47.784	96.409				-2.04	52	-10				2	-2.50				2.40				
47.799	96.519				-1.96	52	-10				2	-2.50				2.50				
47.820	96.628				-2.29	52	-11				1	-2.50				2.45				
47.845	96.734				-2.17	51	-10				2	-2.50				2.35				
47.875	96.837				-2.26	52	-11				2	-2.50				2.20				
47.907	96.943				-2.16	52	-11				1	-2.50				2.20				
47.934	97.049				-1.53	52	-11				2	-2.50				2.05				
47.945	97.162				-1.66	53	-12				0	-2.60				2.05				
47.947	97.277				-1.93	52	-11				1	-2.80				1.90				

SUMMER STABILITY TABLE - 9960 CHAIN - SEGMENT 3

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
47.957	97.391				-2.31	52	-11				2	-2.80				1.95				
47.972	97.502				-2.33	53	-12				1	-2.80				2.05				
47.983	97.614				-2.24	52	-12				1	-2.80				2.10				
47.994	97.727				-2.09	52	-12				1	-2.80				2.15				
47.998	97.838				-2.27	52	-12				1	-2.70				2.20				
48.002	97.952				-2.28	52	-12				1	-2.50				2.42				
48.009	98.064				-2.50	52	-12				1	-2.50				2.63				
48.019	98.176				-2.38	51	-11				2	-2.75				2.50				
48.027	98.290				-2.04	51	-11				2	-2.50				2.40				
48.043	98.401				-1.99	52	-12				1	-2.60				2.35				
48.054	98.513				-2.15	52	-13				1	-2.70				1.85				
48.069	98.624				-2.16	52	-13				0	-2.50				1.75				
48.087	98.735				-2.22	52	-13				-1	-2.50				1.35				
48.104	98.846				-2.24	52	-13				-1	-2.50				1.35				
48.116	98.956				-2.77	52	-13				-1	-2.50				1.30				
48.123	99.064				-2.80	51	-12				-0	-2.50				1.55				
48.130	99.185				-2.98	51	-12				0	-2.50				1.80				
48.143	99.299				-3.02	50	-11				1	-2.50				1.90				
48.151	99.405				-2.82	51	-12				-0	-2.50				1.90				
48.159	99.520				-2.97	52	-13				-1	-2.50				1.90				
48.167	99.632				-3.01	52	-13				-0	-2.50				1.90				
48.178	99.746				-3.38	51	-12				0	-2.50				1.65				
48.183	99.859				-3.55	51	-12				0	-2.50				1.80				
48.189	99.975				-3.53	51	-12				0	-2.50				1.60				
48.195	100.091				-3.49	51	-12				0	-2.43				1.60				
48.201	100.205				-3.35	51	-12				-0	-2.10				1.60				
48.206	100.318				-3.11	53	-15				-3	-2.10				1.55				
48.212	100.431				-2.97	51	-13				-1	-2.10				1.60				
48.217	100.546				-3.09	52	-14				-2	-2.10				1.60				
48.222	100.660				-3.22	53	-15				-3	-2.10				1.55				
48.222	100.774				-3.28	53	-15				-4	-2.05				1.40				
48.228	100.887				-3.36	53	-15				-4	-1.80				1.30				
48.232	101.001				-3.58	52	-14				-3	-1.80				1.18				
48.235	101.115				-3.84	52	-14				-3	-1.80				.95				
48.244	101.228				-3.56	53	-15				-4	-1.80				1.00				

SUMMER 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
44.304	100.566																			
44.326	100.459					51					4					1.45				
44.349	100.352					50					5					1.85				
44.369	100.248					51					4					1.75				
44.390	100.141					50					5					1.90				
44.356	100.044					50					7					1.85				
44.330	99.938					50					6					1.80				
44.305	99.832					51					5					1.55				
44.278	99.727				-1.75	51	-10				6	-3.10				1.45				
44.247	99.624				-1.78	50	-10				7	-2.95				1.45				
44.220	99.520				-1.79	50	-10				7	-2.90				1.70				
44.191	99.414				-1.84	50	-10				7	-2.80				1.85				
44.164	99.312				-1.94	50	-10				7	-2.60				1.90				
44.136	99.206				-1.92	50	-9				8	-2.50				1.75				
44.106	99.102				-1.69	51	-10				8	-2.43				1.45				
44.074	98.999				-1.20	50	-9				8	-2.17				1.45				
44.039	98.881				-1.72	50	-9				8	-2.00				1.90				
44.012	98.797				-1.65	50	-9				9	-2.00				1.80				
43.983	98.692				-1.81	50	-9				9	-2.10				1.90				
43.949	98.593				-1.63	50	-8				9	-1.85				1.60				
43.917	98.490				-1.54	51	-9				8	-1.95				1.75				
43.884	98.387				-1.67	51	-9				8	-1.70				1.35				
43.851	98.285				-1.65	51	-9				8	-1.50				1.50				
43.818	98.182				-1.68	50	-8				9	-1.35				1.75				
43.785	98.079				-1.16	50	-8				10	-1.00				1.55				
43.771	97.969				-1.49	50	-8				10	-1.10				1.55				
43.764	97.859				-1.96	50	-7				10	-1.15				1.60				
43.752	97.750				-1.78	50	-7				10	-.70				1.45				
43.740	97.639				-1.25	50	-6				11	-.60				1.55				
43.726	97.530				-1.69	50	-6				11	-.50				1.60				
43.711	97.419				-1.08	51	-7				11	-.30				1.55				
43.696	97.308				-2.01	55	-10				6	-.30				1.48				
43.682	97.201				-1.95	55	-10				6	-.30				1.35				
43.674	97.090				-1.40	51	-6				11	-.08				1.45				
43.672	96.982				-1.80	50	-5				12	.40				1.50				
43.670	96.874				-1.83	53	-7				9	.40				1.30				
43.671	96.765				-1.87	53	-7				9	.40				1.20				
43.665	96.657				-1.75	53	-7				9	.40				1.80				
43.649	96.554				-1.06	56	-10				6	.40				1.90				
43.631	96.450				-2.45	58	-12				5	.40				1.60				
43.637	96.344				-1.14	58	-12				4	.40				2.05				
43.647	96.238				-1.51	56	-10				7	.40				2.00				
43.653	96.132				-1.78	57	-11				6	.40				1.75				
43.653	96.026				-2.04	58	-12				6	.45				1.55				
43.653	95.916				-2.03	53	-6				10	.70				1.45				
43.650	95.810				-1.50	52	-4				12	.70				1.60				
43.647	95.688				-1.47	51	-3				13	.85				1.35				
43.649	95.584				-1.82	51	-3				13	.65				1.60				
43.652	95.479				-1.89	51	-3				13	.70				1.60				

SUMMER 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
43.659	95.376				-1.39	52	-3				12	.70				1.45				
43.666	95.271				-1.42	52	-3				12	.70				1.55				
43.668	95.163				-1.76	53	-4				11	.70				1.50				

SUMMER 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
43.465	84.027		2.44	1.67	-2.10	55	17		-10	-3	17	1.95		-.30	.95	2.20				
43.446	83.941		2.21	2.10	-1.45	55	18		-10	-2	18	2.30		-.40	.90	1.85				
43.408	83.870		2.33	2.56	-.52	54	18		-9	-1	18	2.50		-.45	.65	1.60				
43.357	83.791		2.44	2.30	-1.25	55	18		-9	-3	17	2.50		-.60	.75	1.90				
43.307	83.719		2.09	2.22	-.75	55	18		-9	-2	17	2.50		-.55	.85	1.90				
43.261	83.648		2.15	2.20	-1.33	55	18		-9	-2	17	2.50		-.40	1.45	1.95				
43.216	83.579		2.39	2.38	-1.34	55	18		-9	-2	17	2.50		-.30	1.30	1.90				
43.171	83.509		2.43	2.45	-1.22	56	17		-10	-3	16	2.50		-.30	1.10	1.90				
43.125	83.439		2.36	3.13	-.81	57	16		-11	-4	15	2.50		-.20	.70	1.90				
43.077	83.377		2.17	3.04	-.36	57	16		-11	-4	14	2.63		-.30	1.00	1.75				
43.017	83.338		2.61	3.36	.10	56	17		-10	-3	15	2.83		-.30	.70	1.75				
42.956	83.299		2.18	2.86	-.18	55	18		-9	-2	16	2.50		-.30	.65	1.90				
42.898	83.261		2.14	2.72	-.52	57	16		-11	-4	14	2.50		-.30	.75	1.90				
42.833	83.226		2.58	3.11	-.28	56	18		-10	-2	15	2.50		-.30	1.00	1.75				
42.770	83.190		2.39	3.26	.25	57	18		-11	-3	15	2.50		-.50	1.10	1.65				
42.705	83.151		2.55	2.68	-.32	57	18		-10	-3	15	2.63		-.60	1.15	1.80				
42.642	83.107		2.48	3.10	-.34	57	17		-10	-3	14	2.57		-.45	.85	1.65				
42.576	83.058		2.56	2.75	-1.14	57	18		-10	-2	16	2.50		-.30	.75	1.65				
42.506	83.009		2.52	2.79	-.94	57	17		-10	-2	15	2.50		-.30	1.20	1.65				
42.434	82.958		2.81	3.53	-.54	57	17		-9	-2	15	2.50		-.25	1.50	1.90				
42.365	82.903		3.17	3.38	-.92	58	17		-10	-3	15	2.35		.13	1.25	2.00				
42.299	82.841		2.25	2.84	-.99	56	18		-8	-1	16	2.53		.40	.95	1.80				
42.225	82.804		2.70	3.35	-.69	55	20		-7	1	17	2.90		.45	.85	1.60				
42.153	82.758		2.60	2.83	-1.33	57	18		-9	-1	15	2.50		.40	.75	1.70				
42.069	82.706		2.99	3.52	-.34	57	18		-9	-1	15	2.50		.40	.82	1.66				
42.009	82.669		2.54	2.83	-1.22	57	18		-9	-1	15	2.50		.40	1.00	1.60				
41.936	82.625		2.67	3.80	-.52	57	18		-9	-1	15	2.50		.33	1.05	1.60				
41.864	82.581		2.62	3.02	-.60	57	18		-9	0	15	2.50		-.25	1.10	1.60				
41.782	82.524		2.99	2.99	-.58	57	18		-9	-0	15	2.50		-.30	1.35	1.65				
41.725	82.478		2.98	3.20	-.83	58	18		-10	-1	15	2.50		-.35	1.20	1.60				
41.656	82.425		3.36	4.08	-.26	57	19		-9	1	16	2.63		-.30	1.20	1.60				
41.585	82.373		2.92	3.34	-.78	58	18		-10	-1	15	2.57		-.35	1.25	1.60			3.46	-.74
41.516	82.320		3.09	3.21	-.86	57	18		-10	0	15	2.57		-.60	1.15	1.75			3.39	-.68
41.460	82.246		2.82	2.90	-.88	57	18		-10	1	15	2.57		-.30	1.20	1.95			3.11	-.98
41.395	82.186		2.91	2.97	-1.15	58	17		-11	-0	14	3.00		-.03	1.55	1.60			6.14	-3.43
41.349	82.104		2.93	3.21	-1.32	57	19		-10	1	15	2.57		0.00	1.40	1.85			13.04	-16.07
41.329	81.999		2.82	2.65	-1.68	58	17		-12	0	14	2.63		.20	1.30	1.75				
41.303	81.899		2.69	3.44	-.23	57	18		-11	1	15	2.70		0.00	1.30	1.60			3.18	-.56
41.277	81.797		2.28	2.36	-.94	57	18		-10	1	15	2.50		-.30	1.18	1.60			2.85	-1.04
41.255	81.695		2.00	1.61	-1.19	56	19		-8	2	16	2.50		.03	1.15	1.65			1.68	-1.32
41.225	81.593		2.02	2.04	-1.03	56	19		-16	2	15	2.50		.13	.85	1.75			2.11	-.87
41.199	81.494		2.24	2.91	-1.28	57	19		-9	1	14	2.90		.13	1.15	1.60			2.64	-1.45
41.171	81.393		1.81	2.13	-.82	57	19		-9	1	14	2.90		-.25	1.20	1.60			2.08	-.96
41.145	81.291		1.64	1.57	-.75	57	19		-9	2	13	2.90		-.35	.95	1.60			1.59	-1.21
41.117	81.191		2.09	2.23	-1.00	56	20		-8	3	14	2.90		-.25	1.20	1.60			1.96	-.95
41.091	81.086		1.60	1.61	-1.64	56	20		-8	3	14	2.70		-.30	1.30	1.70			1.80	-2.14
41.097	80.979		2.02	2.02	-2.06	56	20		-7	3	14	2.50		-.30	1.30	1.85			1.50	-2.10
41.105	80.872		1.36	1.15	-2.26	56	20		-7	3	14	2.57		-.30	1.30	1.60			1.13	-2.20
41.110	80.765		1.29	.93	-2.16	56	20		-7	3	13	2.90		-.25	1.30	1.60			1.10	-1.84

SUMMER 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
41.114	80.657		1.18	.89	-1.90	56	21		-7	3	13	2.70		-.30	1.15	1.60			.85	-2.15
41.118	80.550		1.11	1.37	-1.70	55	22		-6	4	14	2.50		-.30	.90	1.60			.93	-2.17
41.123	80.442		1.09	.89	-2.29	56	21		-6	2	13	2.50		.32	1.10	1.65			.84	-2.16
41.126	80.334		1.62	1.11	-1.93	55	22		-5	3	13	2.50		.10	1.25	1.60			1.01	-1.97
41.132	80.227		1.09	.63	-2.90	55	22		-5	3	13	2.50		.07	.95	1.60			.86	-2.06
41.135	80.120		1.08	1.16	-1.25	56	22		-6	3	13	2.50		-.15	.70	1.60			1.02	-1.70
41.137	80.013		1.07	.51	-2.57	55	23		-5	4	13	2.50		-.55	.65	1.70			.65	-1.96
41.138	79.905		1.41	1.20	-1.69	54	23		-4	4	13	2.50		-.90	.75	1.90			1.24	-1.38
41.138	79.796		1.82	1.80	-1.05	56	22		-5	3	11	2.50		-.90	1.00	2.00			1.42	-1.25
41.138	79.689		1.20	1.06	-1.21	55	23		-4	3	11	2.50		-.90	.75	1.80			1.18	-1.27
41.139	79.580		1.33	1.36	-1.34	56	22		-5	2	10	2.25		-1.00	.70	1.75			1.41	-1.48
41.133	79.476		1.13	1.76	-.64	55	23		-4	3	10	2.63		-.90	1.00	1.60			2.19	-.35
41.061	79.449		.99	2.05	.22	55	23		-4	3	10	2.90		-.35	1.10	1.35			2.39	.37
40.986	79.437		1.00	2.31	.21	55	23		-2	4	10	2.63		.07	.85	1.60			2.21	.19
40.910	79.428		.65	2.45	.62	56	23		-3	4	10	2.50		.13	.95	1.80			2.42	.51
40.835	79.418		.77	2.06	.23	57	22		-3	2	9	2.90		.38	1.00	1.90			2.39	.34
40.759	79.409		.89	2.07	.53	57	21		-3	3	8	2.40		.40	.95	1.90			2.46	.35
40.683	79.401		.85	3.43	.93	56	22		-2	4	10	2.25		.55	1.00	1.90			2.68	.59
40.607	79.394		.60	2.15	.52	55	23		-1	5	11	2.77		.55	1.00	2.05			2.59	.70
40.531	79.386		.56	1.95	.29	55	22		-1	5	11	2.70		.55	.90	2.15			2.56	.52
40.455	79.379		.66	3.24	.79	54	23		0	6	12	2.50		.25	.90	2.00			2.50	.38
40.380	79.374		.24	1.96	.23	54	22		0	6	12	2.20		.27	.75	2.05			2.47	.41
40.305	79.372		.41	1.94	.18	53	23		1	7	13	2.30		.70	.80	2.00			2.51	.72
40.229	79.367		.45	1.99	.22	56	20		-2	4	10	2.40		-.28	.50	2.15			2.38	.37
40.155	79.364		.68	1.49	-.15	53	22		1	7	13	2.20		-.55	.60	2.00			1.93	-.17
40.079	79.361		.75	2.93	.60	55	20		0	6	11	2.20		.08	.85	1.85			2.19	.35
40.003	79.354		.10	1.07	-.70	54	20		1	7	11	2.20		.75	.95	2.00			1.55	-.46
39.935	79.382		-.17	1.14	-.20	55	18		2	6	10	2.20		1.10	.90	1.60			1.08	-.50
39.879	79.442		-.08	1.39	-.26	55	18		2	7	11	2.20		1.35	.80	1.75			1.08	-.63
39.821	79.503		-.17	1.32	-.28	56	17		1	6	9	2.20		1.18	.88	1.72			1.48	-.21
39.769	79.568		-.07	1.36	-.27	55	18		2	7	11	2.05		1.25	.80	1.65			1.38	-.43
39.719	79.639		.06	1.29	-.41	55	17		1	6	11	1.90		1.15	.45	1.95			1.28	-.41
39.670	79.709		-.10	.76	-.89	54	17		2	7	12	1.65		1.00	.60	2.10			1.14	-.54
39.621	79.779		-.04	1.21	-.52	54	16		2	6	12	1.15		1.15	.18	2.15			1.10	-1.25
39.563	79.844		.35	3.21	1.04	55	15		1	5	11	1.25		.95	.13	1.90			2.03	-.10
39.500	79.890		.43	1.28	-1.09	55	14		0	5	10	1.05		.95	.20	2.10			1.68	-.19
39.426	79.912		.10	1.56	-.37	54	15		0	7	12	1.05		.58	.33	2.20			1.03	-.91
39.350	79.939		-.19	1.74	-.35	54	16		-1	7	12	1.45		-.35	.40	2.20			1.45	-.30
39.277	79.969		-.57	.67	-.94	53	17		-1	9	13	1.80		-.70	.55	2.20			1.12	-.66
39.205	79.993		-.56	.64	-1.16	55	16		-3	7	11	2.20		-.60	.62	2.20			.99	-1.02
38.882	80.180		-.58	1.27	-.18	53	15		-3	9	12	2.20		-.60	.40	2.20			1.30	-1.03
38.876	80.273		-.48	1.02	-.76	54	15		-4	8	12	2.35		-.60	.20	2.20			1.15	-.96
38.868	80.365		-.68	1.04	-.63	54	15		-4	9	12	2.20		-.60	.33	2.20			1.02	-1.09
38.862	80.457		-.61	.65	-1.33	55	14		-5	7	11	2.20		-.36	0.00	2.08			.55	-1.24
38.857	80.551		-.44	1.03	.27	54	16		-4	9	13	2.20		-.40	-.40	2.00			.92	-.63
38.851	80.643		-.25	1.07	-.70	54	15		-3	8	13	2.15		-.35	-.35	2.10			1.12	-.44
38.844	80.736		-.26	.89	.04	54	15		-4	8	13	1.90		-.60	-.05	1.90			1.05	-.31
38.835	80.829		-.35	1.28	-.06	55	15		-5	8	13	2.15		-.40	.02	1.85			1.13	-.16
38.829	80.921		-.37	.87	.00	55	15		-5	8	14	2.20		-.55	.50	1.90			1.04	-.55

SUMMER STABILITY TABLE - 9960 CHAIN - SEGMENT 6

REFERENCE						ONI-70008#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
38.821	81.014		-.32	1.15	.09	55	14		-5	8	13	2.20		-.08	.50	1.90			.99	-.33
38.808	81.105		-.14	1.08	-.67	53	16		-3	9	15	2.20		.40	.50	1.95			1.36	-.33
38.797	81.197		-.19	1.08	-.52	55	15		-5	8	15	2.45		.65	.45	2.20			1.15	-.27
38.788	81.288		-.19	1.07	-.60	54	15		-5	8	15	2.50		.80	.50	2.20			1.05	-.42
38.779	81.381		-.12	1.15	-.54	54	15		-5	8	15	2.50		.85	.40	2.10			1.34	-.25
38.773	81.473		-.16	1.27	-.78	54	14		-5	8	16	2.30		.75	.40	1.90			1.03	-.53
38.766	81.566		-.15	1.07	-.56	56	13		-7	6	15	2.40		.55	.40	2.05			1.38	-.23
38.759	81.659		-.11	1.24	-.69	55	15		-6	8	16	2.50		.60	.65	2.00			1.43	-.45
38.750	81.753		-.04	1.37	-.66	55	14		-7	7	15	2.90		.65	.60	1.95			1.40	-.41
38.744	81.845		-.03	1.00	-.83	54	15		-6	8	16	2.90		.33	.45	2.20			1.14	-.66
38.741	81.939		.07	.89	-.84	56	13		-8	6	15	2.90		0.00	.80	2.15			.93	-.55
38.733	82.031		.15	1.22	-.17	55	14		-7	7	16	2.90		0.00	1.00	2.20			1.14	-.54
38.727	82.124		.17	.92	-.79	56	13		-8	6	15	2.90		0.00	1.00	2.20			1.03	-.55
38.715	82.217		.30	1.29	-.38	54	15		-6	7	17	2.90		-.35	.95	2.05			1.31	-.62
38.702	82.309		.40	1.22	-1.00	55	15		-7	7	17	2.90		-.50	.55	2.20			1.32	-.60
38.690	82.401		.45	1.50	.07	55	14		-7	6	16	2.90		-.30	.45	1.95			1.39	-.77
38.678	82.492			1.52	-.68	56	13			4	16	2.90			.40	2.10			1.57	-.87
38.667	82.584			1.23	-.90	56	13			4	16	2.90			.27	2.00			1.36	-.80
38.656	82.675			1.16	-1.30	56	13			4	16	2.90			.40	2.20			1.31	-1.10
38.645	82.767			1.22	-1.38	55	13			5	17	2.90			.60	2.10			1.37	-1.19
38.633	82.860			1.24	-.72	54	14			6	18	2.90			.60	1.80			1.33	-.94
38.631	82.952			1.29	-.72	53	14			6	19	2.90			.27	1.60			1.32	-1.18
38.628	83.045			1.31	-1.19	54	13			5	19	2.83			.20	1.70			1.42	-.92
38.624	83.141			1.15	-1.25	54	13			5	19	2.77			.13	1.60			1.21	-1.34
38.624	83.229			1.11	-1.65	55	12			4	19	2.50			.40	1.80			1.14	-1.87
38.623	83.322			.89	-1.85	55	11			4	19	2.45			-.05	1.90			.96	-2.13
38.620	83.415			.90	-2.30	56	10			2	19	2.20			-.15	2.05			1.07	-2.09
38.620	83.507			.75	-1.88	54	13			5	22	2.50			.27	2.15			.89	-2.19
38.619	83.601			1.02	-2.55	56	10			3	20	2.57			-.08	2.20			1.02	-2.33
38.618	83.696			.85	-2.09	54	11			4	21	2.70			.07	2.20			1.09	-2.20
38.617	83.790			.81	-2.59	58	8			0	18	2.90			.70	2.20			.98	-2.29
38.616	83.885			.95	-1.29	57	9			1	19	2.90			.50	2.20			1.13	-2.13
38.616	83.979			.69	-2.62	57	9			1	20	2.90			1.00	2.20			.71	-2.40
38.616	84.073			.62	-2.32	56	10			2	21	2.90			.75	2.20			.71	-2.27
38.616	84.167			.36	-2.56	55	11			3	22	2.90			.45	2.20			.35	-2.49
38.616	84.263			.59	-1.81	56	10			2	22	2.57			.40	2.20			.70	-1.92
38.618	84.358			.64	-1.54	56	10			3	23	2.50			.60	2.20			.85	-1.74
38.631	84.450			1.12	-1.05	55	10			3	23	2.35			.90	2.20			1.08	-1.72
38.628	84.544			.98	-2.07	56	9			2	22	2.57			.85	2.50			1.33	-1.83

SUMMER 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
38.794	90.386				-2.26	60	-2				20	2.20				1.60				
38.843	90.388				-2.14	60	-2				20	2.20				1.66				
38.894	90.397				-2.13	61	-3				20	2.20				1.85				
38.947	90.405				-2.20	61	-3				20	2.20				1.90				
39.006	90.413				-2.11	60	-4				19	2.15				1.90				
39.064	90.419				-2.14	58	-2				20	2.20				2.10				
39.118	90.431				-1.45	59	-3				20	2.20				2.20				
39.158	90.487				-2.26	59	-4				19	2.45				2.25				
39.196	90.542				-1.74	61	-6				16	2.45				1.90				
39.236	90.602				-1.72	60	-5				17	2.50				1.60				
39.278	90.661				-1.98	58	-4				19	2.25				1.60				
39.318	90.721				-1.78	59	-4				18	2.30				1.65				
39.358	90.783				-1.73	58	-4				18	2.50				1.50				
39.398	90.847				-2.07	59	-5				19	2.30				1.40				
39.442	90.900				-1.81	57	-3				19	1.95				1.05				
39.492	90.952				-1.67	59	-5				17	1.90				1.25				
39.546	91.009				-1.65	60	-6				16	1.80				1.30				
39.603	91.068				-1.80	59	-5				17	1.30				1.25				
39.664	91.109				-2.08	59	-5				17	1.10				1.00				
39.736	91.139				-1.62	59	-5				17	1.18				1.18				
39.787	91.210				-2.03	58	-4				17	1.60				1.40				
39.830	91.289				-1.81	62	-8				13	1.55				1.20				
39.870	91.369				-1.69	60	-6				16	1.70				1.30				
39.895	91.459				-1.87	59	-5				16	2.10				1.35				
39.912	91.552				-1.68	58	-4				17	2.15				1.45				
39.930	91.650				-1.72	58	-4				17	1.95				1.35				
39.954	91.742				-1.87	58	-4				17	1.85				1.30				
39.983	91.834				-1.67	57	-3				17	1.85				1.30				
40.002	91.929				-1.36	57	-4				16	1.85				1.05				
40.019	92.025				-1.58	57	-5				16	1.80				.70				
40.035	92.122				-1.73	57	-5				15	1.60				.70				
40.050	92.217				-1.73	58	-6				15	1.60				.70				
40.073	92.308				-1.89	57	-5				15	1.40				.70				
40.097	92.400				-1.71	58	-6				14	1.30				.60				
40.122	92.494				-1.76	56	-4				15	.85				.40				
40.146	92.586				-1.72	54	-3				17	.50				.55				
40.168	92.678				-1.78	56	-5				15	.20				.70				
40.193	92.765				-1.84	55	-4				16	.32				.70				
40.221	92.856				-1.73	55	-4				15	.20				.70				
40.250	92.941				-1.84	55	-4				15	.07				.70				
40.282	93.029				-1.76	56	-5				14	-.05				.75				
40.312	93.117				-1.49	55	-5				15	-.25				.85				
40.341	93.207				-1.47	56	-6				15	-.05				1.00				
40.371	93.295				-1.62	54	-4				15	-.10				.85				
40.402	93.386				-1.74	55	-5				14	0.00				.70				
40.433	93.475				-1.65	57	-7				12	0.00				.65				
40.464	93.565				-1.75	55	-5				14	0.00				.70				
40.497	93.653				-1.84	55	-5				14	0.00				.85				
40.529	93.745				-1.90	56	-6				12	-.30				.70				

SUMMER 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
40.555	93.835				-1.79	56	-6				12	-.30				.70				
40.584	93.923				-2.19	56	-6				12	0.00				.70				
40.614	94.016				-2.04	56	-7				12	0.00				.70				
40.638	94.105				-1.70	56	-7				11	0.00				.50				
40.672	94.191				-1.76	56	-7				11	-.05				.40				
40.707	94.275				-1.53	55	-6				12	0.00				.40				
40.740	94.361				-1.31	55	-7				13	.20				.45				
40.772	94.448				-1.59	54	-6				13	.40				.65				
40.802	94.537				-1.42	55	-7				11	.40				.50				
40.830	94.625				-1.51	55	-7				11	.40				.40				
40.856	94.716				-1.53	54	-6				12	.40				.40				
40.880	94.807				-1.75	54	-6				12	.40				.45				
40.905	94.900				-1.81	54	-6				12	.40				.60				
40.930	94.991				-1.84	54	-6				11	.40				.40				
40.955	95.082				-1.97	54	-6				11	.40				.45				
40.980	95.172				-1.77	54	-6				12	.40				.75				
41.013	95.258				-2.03	54	-6				11	.40				.75				
41.047	95.344				-1.74	54	-7				11	.40				.85				
41.080	95.428				-1.42	54	-7				10	.40				.90				
41.106	95.521				-1.56	54	-7				10	.27				.85				
41.133	95.612				-1.54	53	-6				11	.40				.75				
41.155	95.704				-1.59	54	-7				11	.40				.70				
41.169	95.810				-1.44	54	-7				10	.40				.70				
41.162	95.892				-1.64	53	-7				10	.40				.65				
41.156	95.986				-1.69	53	-7				10	.40				.40				
41.150	96.082				-1.71	53	-7				10	.40				.45				
41.142	96.177				-1.76	53	-7				10	.40				.50				
41.138	96.272				-2.00	53	-7				10	.40				.60				
41.136	96.367				-2.00	53	-7				9	.40				.60				
41.134	96.461				-2.09	53	-7				9	.40				.70				
41.131	96.555				-1.97	53	-8				9	.40				.50				
41.129	96.650				-2.01	53	-8				9	.40				.50				
41.127	96.744				-1.93	53	-8				9	.40				.65				
41.120	96.837				-1.71	52	-7				10	.40				.80				
41.114	96.932				-1.56	53	-8				9	.40				.50				
41.104	97.026				-1.70	54	-9				7	.40				.65				
41.095	97.121				-1.77	54	-9				7	.40				.45				
41.084	97.215				-1.72	53	-9				8	.40				.27				
41.075	97.311				-1.81	53	-9				8	.40				.33				
41.065	97.404				-1.92	52	-8				9	.40				.33				
41.057	97.498				-1.86	53	-9				8	.40				.40				
41.051	97.594				-1.84	52	-8				8	.40				.32				
41.046	97.688				-1.95	53	-9				8	.40				.55				
41.042	97.782				-1.98	52	-8				8	.40				.70				
41.033	97.876				-1.83	52	-9				8	.40				.60				
41.022	97.969				-1.82	52	-9				7	.40				.45				
41.013	98.061				-2.00	52	-9				7	.40				.40				
41.006	98.154				-2.07	51	-8				8	.40				.50				
40.998	98.246				-2.04	51	-8				8	.40				.70				

SUMMER 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
40.992	98.340				-2.11	51	-8				8	.20				.70				
40.995	98.434				-2.03	52	-10				7	0.00				.45				
40.994	98.529				-2.12	51	-9				7	0.00				.60				
41.001	98.621				-2.15	50	-8				8	0.00				.27				
41.007	98.716				-1.70	51	-9				8	0.00				.40				
41.002	98.810				-1.56	51	-9				7	0.00				.60				
41.001	98.906				-1.86	54	-13				3	0.00				.60				
41.000	99.003				-1.79	55	-14				2	0.00				.70				
41.010	99.098				-2.29	53	-12				4	0.00				.45				
41.023	99.195				-2.05	51	-10				6	0.00				.65				
41.038	99.291				-1.70	52	-11				5	0.00				.60				
41.046	99.388				-1.73	52	-11				5	0.00				.27				
41.047	99.485				-1.79	53	-12				4	0.00				.03				
41.047	99.583				-1.45	53	-13				3	0.00				.13				

SUMMER 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
37.831	97.711																			
37.776	97.637																			
37.722	97.568																			
37.648	97.529					54					8					1.68				
37.572	97.504					55					7					1.60				
37.495	97.481					55					7					1.55				
37.417	97.461					54					8					1.55				
37.339	97.437					54					8					1.50				
37.264	97.407					55					8					1.35				
37.192	97.365				-1.56	54					8					1.35				
37.106	97.319				-1.17	54	-11				8	-.65				1.65				
37.032	97.282				-1.19	54	-11				8	-.45				1.60				
36.957	97.248				-.83	56	-13				6	-.15				1.55				
36.882	97.218				-1.39	55	-12				7	0.00				1.70				
36.807	97.186				-1.74	56	-13				7	-.20				1.65				
36.732	97.154				-2.03	56	-13				6	-.23				1.60				
36.735	97.062				-1.36	55	-14				7	-.30				1.30				
36.768	96.975				-1.70	56	-15				6	-.30				1.50				
36.793	96.900				-1.80	56	-15				6	-.30				1.75				
36.829	96.794				-1.78	56	-15				6	-.30				1.60				
36.855	96.705				-1.73	57	-15				6	-.30				1.80				
36.876	96.612				-1.59	57	-15				6	-.30				1.60				
36.894	96.519				-1.25	56	-14				8	-.20				1.85				
36.914	96.425				-2.04	55	-12				8	0.00				1.65				
36.937	96.328				-1.88	56	-13				7	0.00				1.50				
36.943	96.309				-1.74	56	-13				8	.40				1.30				
36.973	96.157				-1.81	55	-12				8	.40				1.30				
36.991	96.050				-1.75	56	-12				8	.40				1.40				
37.009	95.962				-1.90	57	-13				7	.60				1.10				
37.029	95.860				-1.98	57	-13				7	.70				1.60				
37.047	95.768				-2.22	56	-12				8	.66				1.69				
37.067	95.659				-2.12	56	-12				8	.40				1.60				
37.087	95.567				-2.14	56	-12				9	.40				1.60				
37.106	95.490				-2.04	56	-12				9	.45				1.60				
37.130	95.380				-2.01	56	-11				9	.40				1.85				
37.148	95.287				-1.99	57	-12				8	.45				1.65				
37.165	95.191				-1.70	57	-12				8	.74				1.73				
37.126	95.091				-2.14	56	-11				9	1.00				1.90				
37.084	95.008				-2.17	55	-10				10	1.00				1.60				
37.036	94.912				-1.87	56	-11				9	1.00				1.45				
36.998	94.827				-2.22	56	-11				9	1.00				1.55				
36.964	94.739				-2.25	56	-11				10	1.00				1.35				
36.933	94.650				-1.99	55	-10				9	.87				.87				
36.895	94.547				-2.14	56	-11				8	.66				-.26				
36.855	94.444				-1.91	55	-10				9	.66				-.30				
36.813	94.344				-2.09	55	-11				9	.70				-.30				
36.775	94.260				-1.69	56	-12				8	.70				-.25				
36.720	94.168				-1.76	56	-12				9	.70				-.50				
36.669	94.094				-1.97	56	-12				8	.70				-.35				

SUMMER 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
36.623	94.040				-2.02	55	-11				9	.45				-.05				
36.577	93.935				-2.23	56	-12				8	.40				-.05				
36.544	93.844				-2.50	56	-12				8	.40				-.20				
36.511	93.752				-2.38	56	-12				8	.40				-.17				
36.475	93.650				-2.23	58	-14				6	.40				-.20				
36.445	93.559				-2.65	58	-14				6	.40				.11				
36.419	93.470				-2.21	58	-14				6	.40				-.10				
36.383	93.380				-2.42	58	-14				7	.40				-.20				
36.355	93.309				-2.43	58	-14				7	.40				-.03				

SUMMER 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
36.262	92.766				-2.44	56	-9				11	1.60				1.90				
36.268	92.689				-2.71	57	-10				10	1.60				1.75				
36.266	92.609				-2.45	56	-9				11	1.70				1.90				
36.257	92.530				-3.01	56	-9				11	1.70				1.80				
36.251	92.450				-2.74	55	-8				12	1.65				1.70				
36.240	92.367				-2.63	55	-7				12	1.60				1.60				
36.234	92.285				-2.80	56	-8				11	1.60				1.50				
36.228	92.203				-2.76	57	-9				10	1.70				1.60				
36.219	92.121				-2.96	55	-7				12	1.60				1.60				
36.214	92.035				-2.93	56	-7				11	1.60				1.40				
36.208	91.951				-2.92	56	-7				11	1.80				1.15				
36.203	91.865				-2.36	57	-7				11	1.90				1.50				
36.198	91.777				-2.81	56	-6				12	1.90				1.60				
36.194	91.684				-2.84	55	-5				13	1.75				1.60				
36.188	91.604				-2.53	57	-7				11	1.90				1.60				
36.176	91.491				-2.34	58	-8				11	1.85				1.60				
36.165	91.396				-1.97	58	-7				11	1.85				1.60				
36.151	91.299				-1.93	57	-6				12	1.65				1.60				
36.140	91.202				-2.58	59	-7				11	1.75				1.60				
36.129	91.105				-2.56	58	-6				13	1.90				1.80				
36.115	91.007				-2.77	58	-6				13	1.90				1.85				
36.103	90.910				-2.43	59	-7				12	1.90				1.65				
36.098	90.812				-2.96	60	-8				12	1.90				1.60				
36.090	90.715				-2.61	58	-6				14	1.90				1.60				
36.084	90.615				-2.97	58	-6				14	1.80				1.60				
36.078	90.517				-2.92	59	-7				13	1.90				1.60				
36.073	90.419				-3.07	59	-7				13	1.90				1.60				
36.069	90.321				-2.95	58	-5				14	1.90				1.60				
36.066	90.223				-3.20	61	-8				12	2.05				1.60				
36.062	90.125				-3.04	60	-6				14	1.95				1.60				
36.058	90.025				-3.16	58	-4				15	1.90				1.70				
36.052	89.929				-3.27	59	-5				14	1.90				1.60				
36.050	89.830				-3.30	59	-5				14	1.90				1.72				
36.046	89.733					58	C				15					1.65				
36.041	89.634					58					15					1.80				
36.036	89.538					58					14					2.00				
36.031	89.442					58				-11	14				-.60	2.15				
36.024	89.343					58				-11	14				-.35	1.90				
36.019	89.245					57				-10	15				.07	1.90				
36.023	89.149					57				-10	15				.07	1.90				
36.022	89.053					59				-13	13				.07	1.95				
36.026	88.940					58				-10	14				0.00	2.20				
36.028	88.859					57				-9	15				.13	1.95				
36.032	88.761					57				-9	15				.20	1.90				
36.035	88.664					58				-10	15				.40	1.95				
36.037	88.573					57				-9	15				.40	1.95				
36.039	88.476					57				-8	15				.40	1.95				
36.043	88.380					56				-7	15				.60	1.75				
36.046	88.284					55				-6	16				.65	1.80				

SUMMER 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
36.050	88.187					55	C			-6	16				.27	1.70				
36.052	88.091					56				-7	15				0.00	1.90				
36.055	87.994					56				-6	15				0.00	1.90				
36.059	87.898					56				-5	16				.07	1.90				
36.063	87.801					55				-5	17				0.00	1.90				
36.067	87.704					56				-5	16				.33	1.95				
36.071	87.608					56				-5	16				.60	1.95				
36.074	87.512			-1.10	-4.22	56	-2			-4	16	2.27			.53	1.90				
36.078	87.416			-.53	-3.54	57	-3			-7	15	2.30			.33	1.90				
36.083	87.319			-.57	-3.87	57	-3			-6	15	2.57			.27	2.00				
36.088	87.222			-1.12	-3.70	58	-4			-6	15	2.57			-.10	1.90				
36.093	87.126			-.79	-3.40	56	-2			-4	16	2.50			0.00	1.95				
36.093	87.026			-.63	-3.60	58	-3			-6	14	2.50			.20	1.90				
36.094	86.929			-.76	-3.51	58	-3			-6	14	2.50			.55	1.90				
36.097	86.831			-1.21	-3.98	59	-4			-6	13	2.50			.20	1.90				
36.100	86.733			-.33	-3.41	58	-3			-6	14	2.57			-.20	2.00				
36.082	86.638			-.49	-3.49	58	-3			-5	15	2.50			-.60	2.05				
36.064	86.544			-.93	-4.15	59	-4			-6	14	2.50			-.40	1.90				
36.045	86.446			-.96	-3.78	59	-4			-6	14	2.50			-.75	1.85				
36.026	86.353			-1.19	-3.98	57	-2			-4	15	2.50			-1.05	1.90				
36.007	86.257			-1.49	-4.17	58	-3			-5	15	2.50			-.85	1.90				
35.988	86.163			-1.31	-4.55	57	-2			-4	15	2.50			-.80	1.90				
35.969	86.067			-2.04	-4.23	58	-3			-5	14	2.50			-.85	1.75				
35.951	85:973			-1.72	-4.03	59	-4			-5	13	2.50			-.90	1.80				
35.933	85.877			-1.62	-4.15	59	-5			-5	12	2.50			-.65	1.85				
35.915	85.781			-1.70	-3.80	58	-3			-4	13	2.50			-.60	1.80				
35.898	85.686			-2.40	-4.13	58	-4			-4	12	2.50			-.80	1.60				
35.879	85.589			-2.32	-4.23	57	-4			-2	12	2.30			-.70	1.50				
35.862	85.492			-2.21	-5.24	57	-4			-3	12	2.20			-.65	1.70				
35.846	85.395			-3.19	-4.72	58	-4			-3	12	2.15			-.80	1.80				
35.830	85.299			-2.35	-4.57	57	-3			-2	11	2.20			-.60	1.55				
35.815	85.202			-2.39	-4.16	58	-4			-3	10	2.20			-.60	1.30				
35.799	85.106			-2.59	-4.12	58	-4			-2	11	2.25			-.70	1.35				
35.782	85.010			-2.86	-4.18	57	-4			-1	11	2.25			-.65	1.50				
35.778	84.913			-3.06	-4.52	57	-6			-0	12	2.20			-.60	1.50				
35.784	84.814			-3.03	-4.10	58	-7			-1	10	2.15			-.60	1.60				
35.790	84.715			-3.31	-4.40	57	-6			-0	11	1.90			-.80	1.60				
35.796	84.618			-3.08	-4.20	57	-6			-1	10	1.90			-.90	1.70				
35.804	84.520			-3.05	-4.46	57	-6			-0	9	1.85			-.90	1.40				
35.816	84.423			-3.29	-4.11	56	-5			1	10	1.85			-.80	1.50				
35.828	84.327			-3.80	-4.34	56	-5			2	10	1.70			-.85	1.60				
35.848	84.231			-3.46	-4.34	56	-5			2	10	1.60			-.65	1.35				
35.868	84.138			-3.25	-3.58	56	-5			2	10	1.45			-.70	1.35				
35.888	84.045			-2.81	-3.33	54	-3			4	11	1.30			-.90	1.55				
35.896	83.947			-3.38	-3.93	55	-4			4	11	1.20			-.90	1.55				
35.898	83.848			-3.42	-3.79	56	-5			4	10	1.00			-.80	1.90				
35.881	83.752			-3.17	-3.32	56	-6			5	11	1.00			.50	1.80				
35.865	83.655			-3.21	-3.39	56	-6			4	10	.95			-.55	1.90				
35.849	83.557			-3.90	-3.57	56	-6			4	10	.95			-.90	1.85				

SUMMER 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
35.838	83.460			-3.74	-4.09	55	-5			6	10	.70			-.85	1.80				
35.829	83.362			-3.65	-3.86	56	-6			7	10	.60			-.40	1.65				
35.821	83.264			-3.77	-3.91	56	-7			7	9	.40			.08	1.90				
35.810	83.166			-4.03	-3.83	55	-5			9	10	.20			.50	1.75				
35.793	83.072			-3.68	-3.17	55	-5			10	9	.07			1.00	1.75				
35.758	82.986			-3.86	-2.97	55	-5			10	8	0.00			1.06	1.84				
35.721	82.900			-3.55	-2.81	55	-6			11	8	0.00			1.15	1.55				
35.683	82.815			-3.03	-3.14	64 d	-15 d			2 d	-2 d	0.00			1.00	1.55				
35.639	82.734			-3.62	-3.84	67	-18			1	-5	0.00			.90	1.50				
35.595	82.654			-4.05	-3.81	68	-20			-1	-7	0.00			1.00	1.10				
35.550	82.573			-2.71	-2.80	64	-16			5	-3	-.25			1.05	1.00				
35.505	82.492			-3.41	-2.81	57	-11			12	4	-.15			1.20	1.10				
35.468	82.406			-3.82	-2.88	58	-13			12	3	-.05			1.35	1.00				
35.437	82.316			-2.74	-3.00	58	-13			12	3	-.30			1.60	.90				
35.381	82.250			-2.60	-2.34	59	-14			12	1	-.30			1.80	1.25				
35.315	82.184			-2.93	-2.21	58	-13			14	1	-.30			1.75	1.50				
35.249	82.119			-2.60	-2.98	59	-13			14	-1	-.30			1.60	1.10				
35.185	82.054			-3.38	-2.75	59	-13			15	-2	-.35			1.85	1.00				
35.105	81.989			-3.11	-2.36	60	-13			14	-3	-.60			2.15	.60				
35.049	81.943			-2.69	-2.26	60	-13			15	-3	-.50			2.10	.40				
34.976	81.919			-3.28	-1.69	60	-13			14	-3	-.30			2.20	.40				
34.922	81.985			-3.73	-1.75	61	-14			13	-4	-.30			2.15	.40				
34.873	82.057			-3.77	-2.36	61	-14			12	-5	-.30			1.90	.55				
34.825	82.129			-3.55	-2.22	60	-13			13	-5	-.36			1.78	.24				
34.777	82.202			-3.30	-2.59	60	-13			13	-5	-.35			1.90	-.15				
34.729	82.274			-3.22	-1.90	60	-13			13	-6	-.30			2.20	-.30				
34.681	82.346			-3.33	-2.61	59	-13			14	-5	-.35			2.10	-.55				
34.633	82.418			-3.23	-2.29	59	-13			13	-6	-.30			1.70	-.60				
34.585	82.490			-3.16	-2.27	60	-14			13	-6	-.30			1.60	-.40				
34.536	82.563			-3.06	-2.14	59	-13			13	-5	-.50			1.55	-.50				
34.488	82.636			-3.04	-1.93	59	-14			13	-5	-.60			1.55	-.60				
34.439	82.709			-2.97	-1.78	59	-14			13	-5	-.60			1.65	-.60				
34.390	82.783			-3.10	-2.07	61	-17			12	-7	-.60			1.70	-.55				
34.337	82.850			-2.73	-1.67	60	-17			12	-6	-.65			1.80	-.35				
34.280	82.914					61	c			11	-7				1.90	-.55				
34.224	82.978					61				11	-7				1.90	-.60				
34.167	83.042					61				11	-7				1.90	-.55				
34.111	83.106					60				12	-6				1.90	-.30				
34.058	83.174					60				12	-6				1.90	-.30				
34.008	83.244					61				10	-7				1.90	0.00				
33.958	83.315					61				10	-6				1.75	-.05				
33.888	83.349					60				10	-6				1.60	0.00				
33.811	83.363					60				10	-5				1.60	.27				
33.735	83.380					60				11	-5				1.65	.70				
33.659	83.404					61				9	-5				1.75	.70				
33.584	83.430					61				9	-6				1.60	.50				
33.509	83.456					61				9	-6				1.60	.40				
33.434	83.481					60				9	-5				1.60	.60				
33.350	83.511					61				8	-7				1.80	.55				

SUMMER 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
33.260	83.542					63				7	-9				2.05	.75				
33.170	83.574					63				7	-9				2.15	.70				
33.084	83.601					61				9	-7				2.10	.90				
33.002	83.615					63				8	-9				1.95	1.00				
32.921	83.607					62				9	-8				2.20	.70				
32.841	83.604					63				8	-9				2.20	.90				
32.763	83.610					64				7	-10				2.20	1.00				
32.687	83.635					64				8	-9				2.20	.95				
32.637	83.690					62				9	-8				2.40	1.10				
32.654	83.775					62				9	-7				2.20	1.25				
32.676	83.859					64				6	-8				2.10	1.25				
32.698	83.943					63				6	-7				1.90	1.30				
32.691	84.029					62				7	-7				2.20	1.60				
32.675	84.118					63				6	-7				2.20	1.35				
32.657	84.207					63				7	-7				2.20	1.30				
32.635	84.298					63				6	-7				2.20	1.50				
32.628	84.384					64				5	-9				2.20	1.60				
32.624	84.470					65				4	-10				2.20	1.60				
32.620	84.558					62				8	-7				2.20	1.55				
32.620	84.647					63				5	-8				2.20	1.25				
32.619	84.734					64				3	-8				2.20	1.30				
32.616	84.823					64				4	-8				2.20	1.40				
32.616	84.912					65				1	-9				2.20	1.25				
32.614	84.999					66				1	-9				2.10	1.10				
32.588	85.082					64				2	-7				2.20	1.55				
32.565	85.165					64				1	-7				2.20	1.30				
32.543	85.250					66				-2	-9				1.95	1.25				
32.528	85.337					66				-2	-9				1.70	1.25				
32.515	85.424					66				-2	-9				1.60	1.12				
32.503	85.510					69				-5	-12				1.70	1.15				
32.490	85.597					68				-4	-11				1.75	1.25				
32.474	85.682					69				-6	-12				1.85	1.00				
32.451	85.765					69				-6	-12				1.85	1.25				
32.408	85.847					71				-7	-13				2.00	1.30				
32.368	85.923					70				-6	-11				1.95	1.40				
32.330	85.998					70				-6	-11				2.10	1.60				

SUMMER 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
32.077	87.072					103d				-41d	-44d				1.60	1.60				
32.121	87.134					101				-39	-42				1.60	1.60				
32.162	87.202					99				-39	-40				1.60	1.60				
32.365	88.698					67				-13	-5				1.30	1.53				
32.369	88.780					66				-12	-4				.95	1.55				
32.375	88.867					65				-10	-3				.55	1.90				
32.383	88.954					63				-9	-1				.70	1.84				
32.398	89.040					63				-9	-1				1.10	1.60				
32.415	89.125					63				-10	-2				1.05	1.60				
32.420	89.215					62				-9	-0				.85	1.90				
32.425	89.303					62				-10	-0				1.10	1.90				
32.430	89.393					63				-10	-1				.95	1.90				
32.437	89.482					63				-10	-1				1.00	1.90				
32.443	89.571					60				-7	2				.95	1.70				
32.450	89.660					59				-7	2				.85	1.80				
32.460	89.749					59				-7	2				.95	1.60				
32.471	89.839					58				-7	3				1.25	1.75				
32.480	89.928					58				-8	3				1.00	1.55				
32.491	90.014					60				-8	2				1.00	1.55				
32.500	90.108					58				-7	3				1.00	1.45				
32.509	90.198					59				-8	2				1.00	1.70				
32.509	90.288					61				-10	1				1.00	1.65				
32.511	90.379					61				-10	0				1.00	1.30				
32.515	90.472					61				-10	1				1.00	1.55				
32.516	90.563					61				-10	1				1.00	1.55				
32.518	90.656					60				-10	2				.95	1.45				
32.515	90.747					61				-11	2				1.00	1.75				
32.509	90.839					63				-14	-1				.95	1.50				
32.502	90.930					63				-14	0				.65	1.55				
32.495	91.022					61				-12	2				.70	1.70				
32.490	91.114					61				-12	3				.75	1.60				
32.489	91.206					61				-12	2				.75	1.40				
32.489	91.299					61				-13	2				.55	1.55				
32.489	91.390					62				-13	1				.40	1.60				
32.491	91.482					61				-13	2				.40	1.75				
32.494	91.573					62				-14	1				.20	1.50				
32.500	91.664					62				-13	2				.07	1.45				
32.508	91.756					62				-14	1				.33	1.70				
32.510	91.847					61				-13	1				.40	1.60				
32.511	91.940					60				-12	1				.40	1.45				
32.511	92.033					60				-11	2				.40	1.30				
32.521	92.123					59				-12	2				.45	1.30				
32.538	92.213					58				-11	3				.40	1.55				
32.549	92.304					58				-11	3				.45	1.45				
32.558	92.397					56				-9	5				.50	1.50				
32.571	92.489					55				-9	6				.40	1.50				
32.577	92.578					55				-9	6				.40	1.55				
32.586	92.671					55				-9	6				-.15	1.30				
32.594	92.764					54				-8	6				-.25	1.50				

SUMMER 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
32.611	92.856					54				-9	6				-.30	1.40				
32.625	92.948					54				-9	6				-.30	1.35				
32.638	93.041					56				-11	4				-.30	1.60				
32.652	93.131					54				-9	6				-.25	1.60				
32.668	93.224					54				-10	6				0.00	1.35				
32.683	93.314					55				-9	6				0.00	1.60				
32.702	93.411					54				-9	6				-.20	1.80				
32.715	93.498					54				-10	6				-.30	1.60				
32.735	93.588					53				-9	6				-.30	1.55				
32.752	93.679					54				-11	5				-.30	1.85				
32.763	93.770					54				-11	5				-.30	1.90				
32.770	93.849					55				-12	4				-.30	1.90				
32.779	93.954					56				-12	4				-.30	1.90				
32.787	94.046					56				-13	4				-.30	1.90				
32.793	94.138					55				-12	3				-.30	1.75				
32.794	94.232					55				-12	3				-.30	1.75				
32.796	94.326					54				-11	4				-.30	1.60				
32.797	94.419					54				-11	4				-.30	1.80				
32.801	94.513					54				-11	3				-.30	1.75				
32.804	94.606					54				-10	3				-.30	1.50				
32.809	94.699					52				-10	4				-.30	1.40				
32.819	94.793					52				-9	5				-.40	1.60				
32.825	94.888					52				-10	4				-.55	1.70				
32.832	94.981					52				-10	4				-.55	1.75				
32.840	95.075					51				-9	5				-.55	1.40				

SUMMER STABILITY TABLE - 9960 CHAIN - SEGMENT 14

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
30.372	88.934					57				1	1				2.05	2.20				
30.410	88.881					57				1	1				2.00	2.20				
30.458	88.836					57				1	1				2.20	1.95				
30.514	88.781					58				1	-1				2.35	1.90				
30.548	88.748					57				0	0				2.20	1.90				
30.729	88.281					58				0	-2				2.57	2.50				
30.735	88.201					58				1	-2				2.50	2.70				
30.742	88.120					61				-2	-6				2.25	2.57				
30.750	88.038 e					59				-2	-4 e				2.02 e	2.50 e				
30.736	84.914					72 e				-6 e	-20 e				1.90	1.70				
30.711	84.829					70				-4	-18				1.95	1.85				
30.684	84.747					68				-2	-16				2.20	1.75				
30.657	84.664					65				1	-13				2.15	1.60				
30.630	84.580					64				3	-13				2.10	1.60				
30.602	84.497					65				2	-14				2.20	1.60				
30.575	84.414					66				1	-15				2.20	1.60				
30.558	84.329					63				4	-12				2.05	1.45				
30.555	84.241					63				5	-12				2.15	1.40				
30.553	84.152					61				6	-11				2.30	1.30				
30.553	84.064					63				5	-13				2.35	1.35				
30.551	83.976					62				5	-12				2.35	1.55				
30.550	83.887					62				6	-12				2.25	1.60				
30.550	83.797					64				4	-14				2.20	1.50				
30.548	83.709					63				5	-13				2.50	1.30				
30.543	83.621					61				7	-11				2.20	1.30				
30.543	83.532					60				9	-10				2.20	1.35				
30.540	83.443					60				9	-10				2.20	1.40				
30.536	83.355					59				11	-9				2.20	1.50				
30.528	83.269					59				10	-9				2.20	1.60				
30.525	83.181					60				9	-10				2.20	1.60				
30.525	83.091					60				9	-10				2.20	1.60				
30.520	83.006					59				11	-9				2.20	1.60				
30.516	82.918					58				11	-8				2.20	1.50				
30.512	82.831					58				10	-8				2.50	1.75				
30.508	82.744					59				10	-10				2.50	1.90				
30.503	82.657					59				10	-10				2.30	1.90				
30.506	82.571					59				10	-11				2.05	1.85				
30.574	82.547					59				11	-11				1.85	1.70				
30.648	82.563					59				7	-11				2.10	1.85				
30.722	82.572					59				10	-10				1.90	1.90				
30.798	82.578					58				12	-9				2.10	1.90				
30.875	82.582					56				8	-7				2.25	1.85				
30.951	82.585					59				12	-10				2.40	2.10				
31.029	82.578					60				11	-11				2.00	1.90				
31.104	82.571					60				12	-11				2.15	1.90				
31.181	82.563					60				10	-11				2.20	1.90				
31.256	82.553					62				10	-13				2.40	2.05				
31.332	82.543					61				9	-12				2.40	1.95				
31.408	82.530					64				7	-15				2.50	2.15				

SUMMER 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
31.482	82.517					63				9	-14				2.50	2.05				
31.558	82.503					63				10	-14				2.40	1.90				
31.621	82.453					62				9	-13				2.35	1.90				
31.682	82.401					63				9	-14				2.50	1.90				
31.745	82.349					62				10	-13				2.50	1.90				
31.804	82.298					65				7	-20				2.50	1.90				
31.866	82.243					64				9	-15				2.50	1.65				
31.926	82.188					63				11	-13				2.45	1.65				
31.987	82.135					62				11	-12				2.25	1.60				
32.048	82.081					63				10	-13				2.50	1.60				
32.111	82.032					62				12	-20				2.45	1.60				
32.173	81.979					62				12	-14				2.50	1.50				
32.233	81.928					62				12	-13				2.77	1.60				
32.297	81.875					61				14	-12				2.52	1.60				
32.358	81.824					60				14	-11				2.50	1.60				
32.422	81.773					62				13	-13				2.35	1.60				
32.485	81.722					61				14	-12				2.50	1.70				
32.546	81.666					61				14	-12				2.50	1.60				
32.608	81.617					61				14	-12				2.50	1.40				
32.672	81.566					62				14	-13				2.50	1.60				
32.735	81.515					60				15	-11				2.50	1.60				
32.798	81.463					61				15	-12				2.50	1.45				
32.862	81.411					61				15	-13				2.50	1.30				
32.925	81.360					63				14	-15				2.50	1.30				
32.988	81.309					61				17	-13				2.30	1.20				
33.032	81.233					60				17	-13				2.05	1.15				
33.074	81.157					60				17	-13				2.40	1.00				
33.114	81.078					60				18	-13				2.50	1.00				
33.156	81.000					61				17	-13				2.50	1.00				
33.197	80.923					62				17	-14				2.50	1.00				
33.239	80.847					60				19	-12				2.50	1.00				
33.283	80.769					60				20	-12				2.77	.95				
33.326	80.693					59				21	-10				2.57	1.00				
33.371	80.622					59				21	-10				2.50	1.00				
33.416	80.547					59				22	-9				2.70	.95				
33.458	80.471					61				20	-10				2.83	.95				
33.513	80.407					61				21	-10				2.90	.70				
33.569	80.345					61				20	-11				2.57	.70				
33.625	80.283					61				21	-11				2.50	.90				
33.672	80.231					62				20	-13				2.50	.70				
33.738	80.158					62				21	-12				2.50	.70				
33.795	80.097					61				21	-11				2.50	.85				
33.852	80.035					61				23	-11				2.50	.65				
33.909	79.975					61				22	-11				2.90	.40				
33.967	79.913					61				22	-12				2.83	.40				
34.024	79.853					62				22	-13				2.53	.40				
34.083	79.792					61				24	-12				2.45	.40				
34.140	79.732					61				23	-12				2.50	.60				
34.197	79.670					61				23	-12				2.70	.70				

SUMMER 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
34.252	79.605					62				22	-14				2.90	1.00				
34.307	79.541					61				24	-13				2.95	1.00				
34.363	79.480					61				24	-12				3.15	.90				
34.426	79.423					60				27	-10				2.50	.85				
34.485	79.362			-2.47	-1.07	60	-9			26	-10	1.50			2.50	.80				
34.543	79.303			-2.59	-1.07	60	-8			26	-10	1.35			2.50	1.00				
34.602	79.243			-2.44	-.74	60	-7			27	-10	1.35			2.50	1.00				
34.661	79.183			-2.39	-.47	58	-5			29	-8	1.95			2.50	.90				
34.718	79.122			-2.65	-.43	60	-7			27	-11	2.20			2.50	.50				
34.778	79.060			-3.22	-1.53	60	-6			27	-11	2.20			2.50	.60				
34.836	79.000			-2.96	-.85	60	-6			27	-11	2.15			2.50	.70				
34.896	78.938			-3.22	-1.29	59	-4			28	-10	2.10			2.50	.70				
34.946	78.869			-1.62	-.42	59	-5			28	-11	2.20			2.15	.70				
34.932	78.773			-1.36	-1.22	58	-4			30	-9	2.20			2.05	.70				
34.920	78.675			-2.17	-.50	59	-5			29	-10	2.15			2.45	.45				
34.920	78.574			-1.95	-.75	59	-5			29	-10	1.90			2.83	.70		7.62	7.75	
34.930	78.480			-1.81	-.85	61	-7			27	-11	1.65			2.53	.70		7.74	7.85	-1.77
34.924	78.382			-2.06	-.89	61	-6			27	-11	1.90			2.30	.70		7.84	7.99	-1.15
34.915	78.285			-1.86	-1.08	60	-5			28	-11	2.20			2.90	.90		7.75	-2.00	
34.905	78.188			-1.87	-1.08	58	-3			30	-10	2.40			2.90	.70		8.00	-1.85	
34.893	78.089			-2.37	-1.25	60	-4			30	-12	2.45			2.95	.70		7.70	-2.46	
34.880	77.991			-1.99	-1.54	60	-4			29	-12	2.50			3.15	.70		7.89	-2.34	
34.903	77.910			-2.54	-.22	59	-3			30	-11	2.50			3.70	.70		7.17	-3.34	
34.966	77.859			-2.41	-.04	61	-4			28	-13	2.50			3.50	.70		7.66	-2.70	
35.030	77.810			-2.11		63	-5			26	C	2.40			3.20			7.63	-2.39	
35.094	77.760			-2.12		61	-2			27		2.70			2.95			7.29	-1.99	
35.159	77.708		-2.42	-1.70		60	-1		-5	27		2.83		.85	2.90			7.74	-2.33	
35.224	77.660		-2.32	-2.33		58	1		-3	28		2.95		1.40	2.90					
35.291	77.615		-2.24	-1.67		59	1		-4	27		2.90		1.55	2.90			5.21	-2.50	
35.357	77.574		-2.79	-1.57		59	2		-4	27		2.90		1.40	2.90			3.16	-2.06	
35.424	77.527		-2.85	-2.30		58	3		-3	27		3.20		1.55	2.90			-2.94	-2.05	
35.500	77.472		-1.91	-1.11		58	3		-2	27		3.20		1.65	2.90			-2.92	-1.59	
35.556	77.433		-2.34	-1.05		59	2		-3	26		3.25		1.75	3.20			-2.62	-1.18	
35.624	77.388		-2.88	-1.78		59	4		-3	26		3.20		2.20	3.20			-2.98	-1.52	
35.691	77.340		-2.80	-1.63		58	4		-2	25		3.20		2.10	2.95			-2.69	-1.27	
35.769	77.287		-2.77	-1.18		58	4		-1	25		3.20		2.00	2.90			-2.85	-1.47	
35.837	77.240		-2.65	-1.07		59	4		-2	24		3.00		1.90	2.90			-2.54	-1.35	
35.903	77.193		-2.33	-1.72		57	5		-0	25		3.07		2.03	3.11			-2.67	-1.42	
35.984	77.139		-1.81	-1.72		57	5		-0	25		2.94		1.94	3.20			-2.70	-1.81	
36.061	77.084		-2.13	-1.31		57	5		-0	24		3.16		1.69	3.16			-2.59	-1.73	
36.139	77.029		-2.62	-1.18		57	5		-0	24		3.10		1.55	2.90			-2.75	-1.84	
36.207	76.981		-2.65	-1.31		57	6		0	23		2.90		.90	2.90			-2.78	-1.90	
36.275	76.934		-2.14	-1.37		57	6		1	23		2.58		1.00	2.57			-2.50	-2.07	
36.332	76.895		-2.15	-1.01		58	5		0	22		2.50		1.35	2.57			-2.40	-1.81	
36.400	76.823		-2.76	-1.46		57	6		1	22		2.93		1.65	2.50			-2.58	-1.21	
36.443	76.763		-2.02	-2.05		58	5		0	21		2.93		1.70	2.50			-2.83	-1.92	
36.506	76.680		-3.03	-1.95		58	6		1	20		2.61		2.33	2.67			-2.97	-2.13	
36.572	76.604		-3.13	-1.63		58	6		1	20		2.75		2.70	2.83			-3.32	-2.43	
36.627	76.535		-2.71	-1.54		59	6		0	19		2.99		2.34	2.73			-3.23	-1.99	

SUMMER 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
36.689	76.453		-3.12	-1.89		59	6		1	19	C	2.70		2.15	2.50			-12.46	&-1.48	
36.742	76.383		-2.93	-1.39		59	6		2	19		2.61		1.99	2.37					
36.807	76.306		-2.95	-1.21		59	7		3	18		2.70		2.20	2.45			-2.00	-1.47	
36.864	76.242		-2.67	-1.53		60	6		2	17		2.46		1.99	2.50			-2.52	-1.35	
36.938	76.180		-2.24	-.70		59	6		3	18		2.29		2.16	2.67			-2.39	-.97	
37.023	76.152		-1.90	-1.18		59	7		3	18		2.35		1.75	2.63			-2.31	-.85	
37.082	76.124		-1.70	-.52		59	7		3	18		2.45		1.60	2.83			-2.10	-.56	
37.164	76.086		-2.29	-.77		60	7		2	17		2.61		1.86	2.73			-2.26	-.51	
37.237	76.052		-1.73	-.54		60	8		4	18		2.50		1.35	2.50			-2.14	-.59	
37.321	76.013		-1.62	-.52		59	8		4	18		2.50		1.40	2.50			-2.16	-.59	
37.388	75.967		-1.74	-.05		59	9		4	18		2.50		1.30	2.57			-1.72	-.25	
37.453	75.914		-1.45	-.28		59	9		4	17		2.50		1.40	2.57			-1.49	.09	
37.518	75.862		-.65	-.10		60	8		4	16		2.57		1.35	2.50			-1.44	-.07	
37.584	75.808		-1.09	-.75		60	9		5	16		2.57		1.35	2.40			-1.61	-.54	
37.648	75.756		-1.50	-.04		60	8		4	15		2.57		1.55	2.30			-1.49	-.28	
37.714	75.705		-1.32	-.75		61	7		3	14		2.45		1.95	2.40			-1.84	-.80	
37.779	75.656		-1.83	-.34		61	8		5	14		2.25		1.70	2.35			-1.92	-.74	
37.848	75.608		-1.68	-.84		60	8		5	14		2.25		1.15	2.15			-2.09	-1.17	
37.922	75.557		-1.88	-1.51		60	9		6	15		2.20		1.20	2.20			-2.00	-.99	
37.994	75.506		-2.11	-.47		60	9		6	14		2.20		1.45	2.20			-2.10	-.91	
38.054	75.461		-1.28	-.51		60	8		6	14		2.05		1.50	2.20			-1.80	-.76	
38.135	75.402		-1.67	-1.77	.17	59	8		6	14	-7	2.05		1.65	2.40	03		-1.80	-.88	
38.203	75.352		-1.10	-.59	.14	59	8		6	13	-7	2.15		1.40	2.58	.55		-1.62	-.48	
38.279	75.298		-2.01	-1.25	.00	58	10		8	15	-7	1.60		2.38	2.63	1.15		-2.05	-1.39	
38.361	75.242		-3.04	-1.70	.36	59	10		7	14	-8	1.94		1.60	2.90	1.60		-2.82	-.87	
38.455	75.177		-1.34	-.61	.98	59	11		8	14	-7	2.35		1.70	2.83	1.90		-1.91	-.57	
38.530	75.125		-1.81	-.08	1.61	59	12		9	15	-7	2.50		1.85	2.90	1.95		-1.80	.11	
38.604	75.074		-1.37	.03	.57	58	13		10	14	-6	2.50		1.80	2.90	2.15		-1.51	.06	
38.684	75.032		-1.47	-.36	1.26	60	11		8	12	-7	2.50		1.90	2.83	1.90		-1.33	.26	
38.763	74.992		-1.19	-.11	.73	58	13		10	14	-5	2.77		1.75	2.90	2.35		-1.21	.11	
38.840	74.953		-1.88	-.63	1.13	59	12		9	13	-6	2.63		1.65	2.90	2.50		-2.18	-.40	
38.917	74.902		-1.05	-.66	.24	60	12		9	12	-7	2.79		1.64	2.90	2.33		-1.28	-.42	
38.990	74.855		-1.93	-.55	.61	60	12		9	12	-7	2.90		1.85	2.90	2.50		-1.38	-.83	
39.072	74.803		-1.62	-1.19	.50	60	13		10	12	-7	2.90		1.85	2.77	2.50		-2.25	-.93	
39.131	74.765		-1.54	-.65	.80	59	13		10	12	-6	2.70		1.90	2.57	2.50		-2.48	-.90	
39.190	74.729		-1.87	-.69	.69	59	12		10	12	-6	2.53		1.73	2.79	2.50		-2.27	-.86	
39.263	74.677		-1.29	-.56	.58	58	14		12	13	-5	2.63		1.45	2.90	2.25		-1.91	-.41	
39.307	74.606		-1.57	-.45	.78	59	14		11	12	-6	2.90		1.55	2.70	2.00		-1.48	-.72	
39.352	74.556		-2.23	-1.41	1.07	59	14		11	11	-7	2.63		2.03	2.50	1.90		-2.18	-1.75	
39.405	74.534		-1.87	-1.39	1.00	60	13		10	10	-8	2.45		2.10	2.25	2.00		-2.35	-1.73	