93007 NPTN 93-1 104949

93007qmp

Q-MIPS LOG

SHIP AND CRUISE: NPTN 93-1

AREA: ZION, ILL → S. MILWAUKEE, WISC (L. MICHIGAN)

DATES: 5/1/93 -

CHIEF SCIENTIST: DAVID FOSTER

SEE BACK PAGE FOR BARRY'S NAV FIELDS

QMIPS LOG: Cruise NPTN 93-1 Chief Sci DSF

Q-MIPS TAPE 1

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
	122	TESTS		AROUND N. POINT MARINA
				(HARD COPY ONLY)
5/3/93	123	1345 GMT / 0745 LOCAL		LEAVE NORTH POINT MARINA
		1405		DEPLOYING GEAR (3.5, HUNTEC, STREAMER, E/S)
		1412		KLEIN IN WATER, NO SLANT RANGE
		1438	(SEISMIC PROBLEMS)	STILL MESSING W/SEISMIC RECORDERS
		1509	TEST 1. DAT	SOF
			PROBLEMS W/ BOOMER NOISE (FLY FISH 5M + OFF BOT)	
			E/S NOISE	(IGNORE)
		1541	TEST2.DAT SOF	~5M OVER BOTTOM
		1559	HARD COPY ON	
* 1		1600	L1F1.DAT (SOF, SOL)	FSF4
		1605	TILL RIDGES	
		1614	PAROLSKI UNDID KEY - SLIGHTLY.	
		1622:30	DROP GAIN -	GRAVELLY BOTTOM
		1631	GAIN DROP -	GRAVELLY BOTTOM
		1632 26	EOF L1F1	
		1632 36	SOF L1F2	
		1651	COURSE CHANGE	
		1704:51	EOF L1F2	
		1705:01	SOF L1F3	
		1735	COURSE CHANGE	
		1737:16	EOF L1F3	
		1737:26	SOF L1F4	
		1809 55	EOF L1F4	
		1810 05	SOF L1F5	
* 2		1813 30	EOL 1	END LINE #1
		1833:05	SOL 2	SOF L2F1.DAT TDU ON 1829:30
		1858	SANDWAVES, after MONOTONY OF GRAVEL	

KLEIN 100kHz SYSTEM
DGPS/GPS NAV, LORAN BACKUP
TDU HARD COPY

WC THRESHOLD = 160
HOLDOFF = 3

FOSTER
BRILL
ATNIPP
PAROLSKI
IRWIN

PERSONNEL
JD 123

SUNK BARGE 87.791 42.675

QMIPS LOG: Cruise NPTN 93-1 Chief Sci DSF

Q-MIPS TAPE 1

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
** 2	123	1859	elongate	Features, x and along track
		190530	EOF L2F1	
		1905:40	SOF L2F2	
		1915	SANDWAVE TRAINS	
		193743	EOF L2F2	
		193753	SOF L2F3	
		194355	EOF L2F3	
* 3		1944:12	SOL 3	L3F1 (SOF)
		201619	EOF L3F1	
		201629	SOF L3F2	
		2022	EOL 3	EOL 3
* 4		202523	SOL 4	L4F1 (SOF)
		2028		TDU OFF
		2030		TDU ON, CHANGE PAPER
		2042		Sandwaves in Depression
		2044		DARKENING
		205732	EOF L4F1	EOF L4F1.DAT
		205742	SOF L4F2	SOF L4F2.DAT
		212400	EOL 4	EOF L4F2
* 5		212428	SOF L5F1.	SOL 5
		2135		BAD NAV
		213620		SWITCH TO LORAN
		2156:40	EOF L5F1	
		2156:51	SOF L5F2	
		2159	GETTING	OUT OF DARK AREAS
		222906	EOF L5F2	
		2229:16	SOF L5F3	
		2240	EOL 5	
		224158	EOF	L5F3
6		224208	L5F4	SOL 6

NOTE
L5F4 IS ACTUALLY L6F1

QMIPS LOG: Cruise NPTN93-1 Chief Sci DSF

Q-MIPS TAPE 2

Line #	JD	Start / End	Filename	Comments: *(Nav system, observed features, problems, etc.)*
6	123	2314 26	EOF L5F4	(ACTUALLY 1ST FILE, LINE 6
		2314 36	SOF L6F2	
		2332:00	EOL 6 —	EOF L
END	OPS	JD 123		
BEGIN	OPS	JD	124 (MAY 4,	1993)
LEAVE	NORTH PT	MARINA		0835 (ACOUSTIC NAV IN PLACE)
	124	1340 Z	BOOT Q-MIPS	APPEARS TO BE WORKING
		1350 Z	3.5 kHz UP	RUNNING
		1406	FISH IN WATER	
		1408:30	SOF TEST	1.DAT (FIDDLING)
		1419	TDU ON	
		1424:50	EOF TEST1	.DAT (1425 SOL7)
7		1425:07	SOF L7F1	START N. POINT MOSAIC IN SAND
		1432	DARK RIDGE	
		1457 17	EOF L7F1	.DAT
		1457 22	SOF L7F2.DAT	
		1500	GRAVEL FIELD	
		1516	EOL 7	EOF L7F2 1519:50
8		1520:00	SOL 8	SOF L8F1
		1533	NAV SYSTEM	DOWN (NO NAV)
		153450	LORAN	SYSTEM UP
BAD NAV PTS		1547	BAD LORAN	1547 30 GOOD LORAN
		1552 15	EOF L8F1	
		1552 20	SOF L8F2	
		1614	EOL 8	
		1614	TDU OFF	
		1618	EOF L8F2	QMIPS OFF TO N. POINT
			← TURNED	KLEIN OFF, QMIPS HUNG @ REC. 11600

MAY 4 JD 124 0840L

FSE?

IN. POINT MOSAIC

Holdoff 2
Sensitivity 150
WCTHresh 126

11 to L11F2

10 L13F1
8

QMIPS LOG: Cruise NPTN 93-1 Chief Sci DSF

TAPE 3

Q-MIPS TAPE 3

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
	124	1618:06	L8F2 CONT'D	- HUNG AT 11600
		1645 N	PT MAR. FOLGER	OFF TO CHECK NAV STN
		1654	@ N. POINT	MARINA - CAST OFF.
		1737	QMIPS ON	SOF TST1.DAT QMIPS TAPE 3
		1739	TDU ON	
		1746 50	EOF TST1.	DAT
*	9	1747 00	SOL 9	SOF L9F1
		1807	NAV OFF L	INE → NEW NAV DISK...
		1808:50	NAV BACK	UP
		18 19:15	EOF L9F1	
		18 19:20	SOF L9F2	
		1823	DARK Patches	
		1834	EOL 9	TURNING TO MOSAIC
		1834	TDU OFF	
		1851:40	EOF L9F2	
		1851:50	SOF L9F3	
		1853 00	TDU ON	
		1856 50	EOF L9F3	
*	10	1857 00	SOF L10F1,	START LINE 10 / REST. MOSAIC
		1907	NAV OFF	SO BARRY CONTOL FISHING
		1910	NAV BACK	UP...
		1929:14	EOF L10F1	
		1929:20	SOF L10F2	
		1947	EOL 10	1953:00 EOF L10F2.DAT
*	11	1953:10	SOL 11	SOF L11F1.DAT
		1954	SOL11	
		2025:25	EOF L11F1	
		2025:30	SOF L11F2	
		2049	EOL 11	
		20 54 50	EOF L11F2.	DAT

L12F1 L13F1 L13F2 L14F1

all L1's are fine

L5F1

QMIPS LOG: Cruise NPEN 93-1 Chief Sci DSF

Q-MIPS TAPE 3

Line #	JD	Start / End	Filename	Comments: *(Nav system, observed features, problems, etc.)*
* 12	124	205500	L12F1.DAT	SOL 12/SOF L12F.DAT
		212714	EOF L12F1	
		2127:25	SOF L12F2	
		2144	EOL 12	
		2149:50	EOF L12F2	
* 13		2150:00	SOL13/SOF L13F1	
		2222:16	EOF L13F1	
		2222 26	SOF L13F2	
		2241	OFF HARBOR Jetty, N Point Marina	
		2244	EOL 13	
		2246:35	EOF L13F2	
14		2246:45	SOL 14/SOF L14F1	
		2300:00	EOL 14	
		2300:00	TDU OFF	
		2301	QMIPS OFF/EOF L14F1	
		2306	SIDESCAN ON DECK...	
			DEMOR'ING GEAR	
END OPS JD 124 MAY 4, 1993 TO N. POINT				

MOSAIC (N. POINT)

@80% L10 → L14

→ L12F2 (?) May be demixed wrong

200 KHZ

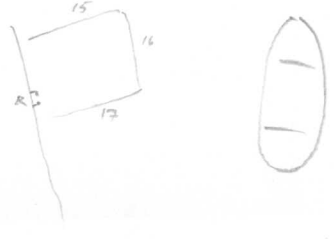
QMIPS LOG: Cruise NPTN 93-1 Chief Sci DSF

Q-MIPS TAPE 4

	Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
	TEST	125	1345	QMIPS	ON, DIAGNOSTICS
			1352	LV SKIPPER BUD'S MARINA, RACINE, WISC.	
			1417	QMIPS ON, START TST1.DAT	
			142315	TDU ON	
			142520	EOF TST1.DAT	
*	15		142530	SOF L15F1	OFFSHORE
			145741	EOF L15F1	
			145752	SOF L15F2	Ripple Trains
			153009	EOF L15F2	1 to track
			153017	SOF L15F3	
			153950	EOF L15F3	
*	16		1540	SOF L16F1 /	SOL 16, OFFSHORE TIE
			161215	EOF L16F1	V. LIGHT SAND, CAN'T SEE RIPPLE
			161222	SOF L16F2	TRAINS
			162850	EOF L16F2	
			162858	SOF L17F1	
*	17		162900	SOL 17	INSHORE BOUND
			170114	EOF L17F1	
			170122	SOF L17F2	
			170530		RIDGES
			173340	EOF L17F2	
			173347	SOF L17F3	
			1738	EOL 17 /	TDU OFF, CHANGE PAPER
			1740:40	TDU ON,	NEW ROLL
			174810	EOF L17F3	
*	18		174817	SOL 18 / SOF L18F1	
			182034	EOF L18F1	
			182047	SOF L18F2	
			1827	EOL 18	
			183400	EOF L18F2	

MOSAIC

HOLDOFF 2
Sensitivity 50
WC Threshold 126



QMIPS LOG: Cruise NPTN 92 Chief Sci DSF

QMIPS TAPE 4

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
* 19	125	183412	SOL 19	/ SOF L19F1
		1840	NAV DOWN	
		1841	NAV BACK	UP
		1845	FINISH UP	CHANGING ODOM Paper
		190623	EOF L19F1	
		190632	SOF L19F2	
		1910	COURSE	CHANGE
		1935	CourseChange	
		193850	EOF L19F2	
		193857	SOF L19F3	
		1939	OFF BREAKWALL, Racine	
		1957	CRS CHANGE	
		2011:15	EOF L19F3	
		2011:27	SOF L19F4	
		2016	OFF WPT Pt LIGHT	
		2021	DOG LEG,	aRUND WPt
		2029	COURSE CHANGE ONTO	MOSAIC
		2043:41	EOF L19F4.DAT	
		2043:57	SOF L19F5.DAT	
1		2106	EOL 19	
		210915	EOF L19F5	
* 20		210927	SOF L20F1 / SOL L20 F1	
		2127	NAV OFF - SWITCHING TO LORAN	
		2128	LORAN UP,	
		2133	BACK TO	DGPS
		214137	EOF L20F1	
		214147	SOF L20F2	
		2143	EOL 20	
		214650	EOF L20F2	
* 21		214702	SOF L21F1.	/ SOL 21

TITLE

MOSAIC

QMIPS LOG: Cruise NPTN 92-1 Chief Sci DSF

QMIPS TAPE 4

Line #	JD	Start / End	Filename	Comments: *(Nav system, observed features, problems, etc.)*
21 *	125	2149	SLOW DOWN TO DEPLOY BOOTER	
|		221912	EOF L21F1	
|		221922	SOF L21F2	
|		2222	EOL 21	
		222351	EOF L21F2	
22		222400	SOF L22F1 / SOL22	
|		225623	EOF L22F1	
|		225633	SOF L22F2	
|		2258	EOL 22	
|		225815	TDU OFF	
—		225917	QMIPS OFF	
		2301	Klein ON	DECK, END SIDESCAN
			OPS JD 125	

QMIPS LOG: Cruise NPTN 93-1 Chief Sci DSF

JD 126 - MAY 6 1993 QMIPS TAPE 5

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
	126	1335 z	LV RACINE HARBOR PIER (SKIPPER Bud's)	
			QMIPS DIAGNOSTICS - FAIL PROC. TEST - Reboot	
		1405	FISH IN (DEPLOYING GEAR) OFF WPt LIGHT	
TEST		1407:12	SOF TEST1 DAT (NAV OFFLINE)	
		1412	TDU ON	
		1413	NAV BACK UP 1413	
		1422 50	EOF TEST1. DAT	
24		1422 57	SOF L24F1 / SOL24	
		1430	SLOWING DOWN TO Reduce Sides can raw	
		1431	SPEED UP A LITTLE - eyes peeled for LEARJET	
		1455 14	EOF L24F1. DAT	
		1455 22	SOF L24F2. DAT	
		1455	EOL L24	
		1458 50	EOE L24F2. DAT	
25		1458 57	SOF L25F1	SOL25
		1502	POSSIBLE LEAR?	
		1531:04	EOF L25F1	
		1531:14	SOF L25F2	
		1531:30	EOL 25	
		1533:47	EOF L25F	
26		1533:57	SOF L26F1 /	SOL26
		1603	EOL 26	
		1606 14	EOF L26F1	
		1606 27	SOF L27F1	
27		1608	SOL 27	Too SHALLOW! 4 Meters!
		1638 39	EOF L27F1	
		1638 47	SOF L27F2	
		1643	EOL 27	END LINE 27
		1653 05	EOF L27F2	
28		1653 12	SOF L28F1	SOL L28

1458 57
1422 57
32:17 file length

1458 57
32 17
1531 04

START W/ LINE 24,

23 WAS SEISMIC ONLY

HoldOFF = 2
Sensitivity = 50
Threshold = 126

42.806 Possible
87.778 LEARJET?

-42.823
-87 8012 15:02
snakey thing

WIND POINT MOSAIC

QMIPS LOG: Cruise NPTN93 / Chief Sci DSF

TAPE 5

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
28	126			TURNING TO OFFSHORE TIE
		1702	POSSIBLE LEARJET DEBRIS @ 42.7987 -87.7690	
		172529	EOF L28F1	
		172537	SOF L28F2	SAND WAVE TRANS
		175755	EOF L28F2	
		175802	SOF L28F3	
		180250	EOF L28F3	
29		180302	EOL28/SOL29 SOF L29F1	
		1810	STILL MANEUVERING (OFFSHORE TIE)	
		1838	EOF L29F1	/SOF L29F2
		1839	FISH ON DECK T2	RH ACOUSTIC (CAUSING FLUTTER?)
		1842	FISH BACK IN	WATER, NAV BEACON REMOVED
		184750	EOF L29F2	INSHORE
30		184800	SOF L30F1	/SOL30 causes YAW
				DATA BETTER/NO TMSP
		192012	EOF L30F1	
		192022	SOF L30F2	
		195240	EOF L30F2	
		195247	SOF L30F3	
		200400	EOL30	
		200535	EOF L30F3	
31		200545	SOL31/SOF L31F1	LONGSHORE TIE
		2022	off Power	Plant
		203801	EOF L31F1	
		203812	SOF L31F2	
		204106	EOF L31F2	
32		204117	SOL32/SOF L32F1	
		211328	EOF L32F1	
		211342	SOF L32F2	
		2121	SWITCH	TO LORAN

QMIPS LOG: Cruise NPEN 93-1 Chief Sci DSF

TAPE 5

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
32	126		CONTINUING	ON 32 - OFFSHORE
		2131	BACK TO	GPS NAV
		2145:52	EOF L32F2	
		2146:02	SOF L32F3	
		2156:50	EOF L32F3	
33		2157:02	SOF L33F1.	DAT
		2229:15	EOF L33F1	
		2229:27	SOF L33F2	
		2237	EOL 33	
		2237	TDU OFF	
		2237 30	QMIPS OFF	- EOF L33F2.DAT
		2240	FISH ON	DECK
		2244	UNDERWAY TO SKIPPER BUD'S	
		CONCLUDE OPS		JD 126

QMIPS LOG: Cruise JD 127 Chief Sci DSF

QMIPS TAPE 6

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
	127	1330	QMIPS ON	
		1335	LV SKIPPER	BUD'S, RACINE; TRANSIT NORTH
			QMIPS DIFFICULTIES - SOLVED (REBOOT)	
TEST		142345	KLEIN ON	/ QMIPS ON / SOF TEST1.DAT
		142430	TDU ON	SPEED TOO FAST!
		1431	EQP PROB'S GOING ROUND AGAIN... TO SOL	
		1443:47	EOF TEST1	
* 34		1443:57	SOL34	/ SOF L34F1.DAT (TIELINE)
		1453	BATHY OFF	LINE /
		1516:12	EOF L34F1	
		1516:27	SOF L34F2	
		1521	COURSE	CHANGE
		1545	CRIBS	
		1548:41	EOF L34F2	
		1548:47	SOF L34F3	
		1556	COURSE CHANGE	
		162106	EOF L34F3	
		162117	SOF L34F4	COURSE CHANGE
		1653:27	EOF L34F4	
		1653:32	SOF L34F5	
		1656	ABREAST SMILW HARBOR BOUY	
		1659	EOL34	
		17 21:47	EOF L34F5	
* 35		1721:57	SOF L35F1	/ SOL35 OFFSHORE
		17:54:12	EOF L35F1	
		17:54:22	SOF L35F2	
		18:14:55	EOF L35F2	/ EOL35
* 36		18:15:05	SOF L36F1	/ SOL36 (OFFSHORE TIE)
		1835	NAV CLOCK	JUMPY
	1	1847 17	EOF L36F1	

QMIPS LOG: Cruise NPtN 93-1 Chief Sci DSF

TAPE 6

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
36 (CONT)	127	1847:32	SOF L36F2	OFFSHORE TIE
		190202	EOF L36F2	/ EOL 36
37		1902 12	SOF L37F1	/ SOL 37 (INSHORE)
		1934 32	EOF L37F1	
⇨		1934 42	SOF L37F1	(REALLY L37F2)
		2011:55	EOF L37F1*	
		2012:02	SOF L37F3	
		2014	EOL 37	
		2015 15	TDU OFF	- GOING TO LOOK FOR LEARJET
		2017	KLEIN OFF	HANGING QMIPS

NOTE: 2 L37FR'S

QMIPS LOG: Cruise _______________ Chief Sci ____________________________

Line #	JD	Start / End	Filename	Comments: *(Nav system, observed features, problems, etc.)*

IF SL = Ø, OUT OF RANGE
> 100 m (PROBABLY A BAD READING)

BERRY'S NAU DISKS

FIELDS

JD TIME Lat LON LORAN ASF SPEED HDG DEPTH SB