

Tyco	MARS Monterey Bay CS Global Sentinel Deep Sea Installation Daily Project Status Report	Report No. 21 Date: 04/02/07 Local Time: 0800 GMT -7 Prepared by: DB Page 1 of 6
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A. VESSEL LOCATION

Latitude	37° 25.900' N	Longitude	122° 39.800' W	Datum	WGS84
SHIPBOARD PERSONNEL					
Officers:		Unlicensed:		Tyco Staff:	Others:
15		27		5	19

In Transit

B. WEATHER

Time	Barometer	Sea State	Winds
0000	1015	4	NW force 5
0600	1014.4	5	NW force 6
1200	1015.5	4	NW force 4
1800	1012.5	6	W force 8
WEATHER FORECAST:		PERIODS OF FRESH TO STRONG NW/NNW-LIES ARE STILL FORECAST AS HIGH PRESSURE TO THE WEST BECOMES ABSORBED INTO A STRONGER HIGH BUILDING WEST OF THE PACIFIC NORTHWEST. WINDS RELAX TUESDAY AS THE HIGH MOVES INLAND. VISIBILITY MODERATE, POOR IN THE MORNING.	

C. CABLE LAID/BURIED

Segment	Total Length To Lay	Total Length To Bury	Laid Last 24 Hours	Buried Last 24 Hours	Total Laid To Date	Total Buried To Date
1	9.107	43.339	0	0	9.228	43.089
TOTALS	9.107	43.339	0	0	9.228	43.089

PLIB Site (KP)	Est. Amt. to Bury (Km)	Est. Amt. to Inspect (Km)	# of Jetting Passes Last 24 Hours	Total Burial /Inspection Completed (Km)	Remaining (Km)
1.04-1.23	0.186	0	0	0.186	0
36.09-42.6	0	6.513	0	6.513	0
42.6-42.92	0.315	0	0	0.315	0
50.67-TRF	1.530	0	1	1.530	0
47.6-50.72	0	3.133	0	3.133	0

D. SCHEDULED DATE OF COMPLETION: 4/1/2007

E. ESTIMATED DATE OF COMPLETION: 4/1/2007

F. DAILY CHRONOLOGY: (ACTIVITIES LAST 24 HOURS)

Local Time (0000-2400)	Activity
0103	End jetting pass 3. N36 42.7401 W122 11.2092 WD 884m KP 52.020 Vs 0.15 kts ROV: N36 42.7548 W122 11.1933 KP 51.993
0136	Commence final inspection pass. N36 42.7444 W122 11.2027 WD 885m KP 52.012 Vs 0.33 kts ROV: N36 42.7626 W122 11.1967 KP 51.978
0703	Inspection pass complete. Commence ROV recovery. N36 45.1255 W122 11.2363 WD 770m KP 47.596 Vs 0.21 kts ROV: N36 45.1438 W122 11.2234 KP 47.566
0706	ROV off bottom N36 45.1260 W122 11.2366 WD 769m KP 47.595 Vs 0.16 kts ROV: N36 45.1424 W122 11.2231 KP 47.569
0727	ROV on deck N36 45.1257 W122 11.2367 WD 770m KP 47.596 Vs 0.05 kts
0929	ROV off deck to retrieve marker beacons from seabed. N36 42.6717 W122 11.1926 WD 891m KP 52.147 Vs 0.07 kts
0932	ROV in water N36 42.6708 W122 11.1918 WD 890m KP 52.148 Vs 0.02 kts ROV: N36 42.6833 W122 11.1683 KP 52.125
0948	ROV on bottom N36 42.6709 W122 11.1910 WD 891m KP 52.148 Vs 0.10 kts ROV: N36 42.6933 W122 11.1680 KP 52.106
1008	ROV retrieves first beacon N36 42.6714 W122 11.1915 WD 890m KP 52.147 Vs 0.02 kts ROV: N36 42.6740 W122 11.1612 KP 52.142
1103	ROV retrieves second beacon N36 42.6540 W122 11.2211 WD 893m KP 52.180 Vs 0.06 kts ROV: N36 42.6504 W122 11.2097 KP 52.186
1131	All beacons recovered. Commence ROV recovery. N36 42.6774 W122 11.2368 WD 891m KP 52.137 Vs 0.05 kts ROV: N36 42.6948 W122 11.2107 KP 52.104
1135	ROV off bottom N36 42.6773 W122 11.2358 WD 892m KP 52.137 Vs 0.09 kts ROV: N36 42.6943 W122 11.2115 KP 52.105
1156	ROV out of water N36 42.6774 W122 11.2363 WD 892m KP 52.137 Vs 0.05 kts ROV: N36 42.6881 W122 11.2123 KP 52.117
1201	ROV on deck N36 42.6771 W122 11.2364 WD 891m KP 52.138 Vs 0.11 kts
1355	Commence ROV launch to recover plow electronics N36 42.9652 W122 11.1969 WD 866m KP 51.604 Vs 0.13 kts
1402	ROV in the water. Recovery line lowered from bow. N36 42.9651 W122 11.1962 WD 867m KP 51.604 Vs 0.06 kts
1402	ROV in water N36 42.9650 W122 11.1971 WD 867m KP 51.604 Vs 0.03 kts ROV: N36 42.6882 W122 11.2139 KP 52.117

1429	ROV on bottom. N36 42.9651 W122 11.1966 WD 866m KP 51.604 Vs 0.07 kts ROV: N36 42.9940 W122 11.1967 KP 51.551
1607	ROV hooks recovery line plow cage N36 42.9172 W122 11.1906 WD 870m KP 51.692 Vs 0.06 kts ROV: N36 42.9402 W122 11.1773 KP 51.649
1609	Commence recovery of electronics. N36 42.9168 W122 11.1920 WD 871m KP 51.693 Vs 0.23 kts ROV: N36 42.9362 W122 11.1881 KP 51.657
1637	Commence ROV recovery N36 42.9168 W122 11.1910 WD 871m KP 51.693 Vs 0.11 kts ROV: N36 42.9308 W122 11.1892 KP 51.667
1638	ROV off bottom N36 42.9175 W122 11.1906 WD 871m KP 51.691 Vs 0.19 kts ROV: N36 42.9366 W122 11.1861 KP 51.656
1658	ROV out of the water N36 42.9170 W122 11.1906 WD 871m KP 51.693 Vs 0.11 kts ROV: N36 42.9359 W122 11.1848 KP 51.658
1703	ROV on deck N36 42.9170 W122 11.1897 WD 871m KP 51.692 Vs 0.06 kts
1726	Plow electronics on deck N36 42.9270 W122 11.1591 WD 868m KP 51.674 Vs 0.11 kts
1958	ROV off deck to clear wire rope under cable. N36 50.4222 W122 08.9729 WD 118m KP 36.202 Vs 0.05 kts
2002	ROV in the water N36 50.4240 W122 08.9731 WD 118m KP 36.201 Vs 0.06 kts ROV: N36 42.9452 W122 11.1529 KP 51.639
2027	ROV on bottom N36 50.4250 W122 08.9721 WD 118m KP 36.198 Vs 0.14 kts ROV: N36 50.4017 W122 08.9707 KP 36.215
2054	ROV at wire rope location. First cut complete. N36 50.4231 W122 08.9793 WD 118m KP 36.210 Vs 0.12 kts ROV: N36 50.4074 W122 08.9942 KP 36.242
2112	Second cut complete. N36 50.4213 W122 08.9847 WD 118m KP 36.218 Vs 0.13 kts ROV: N36 50.4037 W122 09.0024 KP 36.256
2303	Wire rope cleared from under cable. N36 50.4135 W122 08.9810 WD 118m KP 36.220 Vs 0.11 kts ROV: N36 50.3911 W122 08.9941 KP 36.255
2316	Inspection of location complete. Commence ROV recovery. N36 50.4199 W122 08.9651 WD 118m KP 36.193 Vs 0.02 kts ROV: N36 50.4110 W122 08.9820 KP 36.223
2326	ROV off bottom N36 50.4287 W122 08.9914 WD 118m KP 36.221 Vs 0.07 kts ROV: N36 50.4128 W122 08.9848 KP 36.225
2330	ROV at surface N36 50.4284 W122 08.9913 WD 119m KP 36.221 Vs 0.04 kts ROV: N36 50.4162 W122 08.9925 KP 36.233
2335	ROV on deck N36 50.4285 W122 08.9914 WD 119m KP 36.222 Vs 0.16 kts ROV: N36 50.4282 W122 08.9917 KP 36.222
2345	Commence transit to San Francisco. N36 50.4288 W122 08.9911 WD 119m KP 36.221 Vs 0.14 kts

G. PLANNED ACTIVITIES NEXT 24 HOURS:

Arrive San Francisco to disembark personnel.

H. OPERATIONAL SUMMARY

Activity	Today (Hours)	Brought Forward (Hours)	Total Hours To Date
In Port Working	0.00	126.00	126.00
Standby	0.00	24.00	24.00
Splicing Operations	0.00	37.50	37.50
Burial Operations	0.00	96.75	96.75
Surface Lay Operations	0.00	31.75	31.75
Transit	0.25	88.50	88.75
Weather Downtime	0.00	4.50	4.50
Equipment Downtime	0.00	9.75	9.75
Vessel Downtime	0.00	0.00	0.00
Plow Downtime	0.00	31.25	31.25
Downtime/Other	0.00	0.00	0.00
Sea Plow Trial	0.00	13.50	13.50
PLGR Operations	0.00	50.00	50.00
ROV Operations	16.25	24.50	40.75
Calibration	0.00	12.50	12.50
PLIB Operations	7.50	38.00	45.50
TOTALS	24.00	588.50	612.50

I. ESTIMATED DATES FOR PLANNING PROJECT RELATED ACTIVITIES

Date	Activity
3/14/2007	Shore Landing
3/20/2007	Complete Surface Lay
3/30/2007	Install TRF
4/2/2007	Disembark Personnel

J. TRANSMISSION:**K. SUPPORT VESSEL STATUS****L. CONTACT NUMBERS**

Tyco Voice:		Vessel Mobile:	
Tyco FAX:		Vessel Email:	
Tyco Mobile:		Other Voice:	872 353 832 231
Tyco Email:		Other FAX:	872 353 832 232
Vessel Voice:	872 353 832 235	Other Mobile:	
Vessel FAX:	872 353 832 237	Other Email:	

M. GENERAL REMARKS/COMMENTS:

N. TYCO REPRESENTATIVE COMMENTS: This is the final daily report for the MARS system installation. GLOBL SENTINEL is enroute San Francisco to disembark personnel.

O. VESSEL REPRESENTATIVE COMMENTS: Vessel is operating in compliance with all known permit requirements.

P. PURCHASER REPRESENTATIVE COMMENTS:

Q. SIGNATURES:

D Brawn
Tyco Representative

G Thomas
Vessel Master

M Wilson
ASN Representative

K Brekke
MBARI Representative

J Slaughter
MBNMS Representative

MARS
PLIB Site 4 & 5 - GLOBAL SENTINEL
01 Apr 2007 0835 UTC to 01 Apr 2007 1405 UTC

