

Tyco	MARS Monterey Bay CS Global Sentinel Deep Sea Installation Daily Project Status Report	Report No. 14 Date: 03/21/07 Local Time: 0800 GMT -7 Prepared by: DB Page 1 of 6
-------------	---	---

A. VESSEL LOCATION

Latitude	36° 43.200' N	Longitude	122° 11.200' W	Datum	WGS84
SHIPBOARD PERSONNEL					
Officers:		Unlicensed:		Tyco Staff:	Others:
18		27		9	20

☐	In Transit
--------------------------	-------------------

B. WEATHER

Time	Barometer	Sea State	Winds
0000	1015.5	1	NW force 2
0600	1016	2	S force 3
1200	1016.5	4	W force 5
1800	1015.6	5	WNW force 6
WEATHER FORECAST:		BROAD HIGH TO THE WEST CONTINUES WHILE LOW TROUGHING DEVELOPS OVER S-ERN CALIFORNIA BY WEDNESDAY AFTERNOON. HIGH EVENTUALLY BUILDS FURTHER TOWARDS THE COAST NEAR PERIOD'S END AS THE LOW MOVES INTO THE SW U.S. LOOK FOR STRONG N/NW-LIES FRESHENING THURSDAY. 3-3.5M COMBINED SEAS/SWELLS POSSIBLE WEDNESDAY INTO THURSDAY MORNING THEN AGAIN FRIDAY MORNING. SCATTERED SHOWERS/THUNDERSTORMS EXPECTED TO CONTINUE OVER THE NEXT 12 HOURS. VISIBILITY MODERATE, WITH AREAS OF POOR VISIBILITY POSSIBLE IN THE HEAVIEST SHOWERS/THUNDERSTORMS	

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	4.975	2.862	8.008	37.807
TOTALS	9.107	43.339	4.975	2.862	8.008	37.807

D. SCHEDULED DATE OF COMPLETION: 3/30/2007

E. ESTIMATED DATE OF COMPLETION: 4/2/2007

F. DAILY CHRONOLOGY: (ACTIVITIES LAST 24 HOURS)

Local Time (0000-2400)	Activity
0008	KM 28 over stern. N36 49.8756 W122 10.0107 WD 309m KP 38.064 Vs 0.44 kts
0030	Vessel passing AC19 N36 49.7481 W122 10.0872 WD 310m KP 38.323 Vs 0.41 kts
0032	Plow in water and vessel moving ahead N36 47.8159 W122 11.3609 WD 455m KP 42.451 Vs 0.09 kts
0117	Vessel passing AC 20 N36 49.4617 W122 10.2205 WD 332m KP 38.888 Vs 0.39 kts
0245	Vessel passing AC 21 N36 48.8927 W122 10.3824 WD 370m KP 39.967 Vs 0.41 kts
0309	Vessel passing AC22 N36 48.7372 W122 10.4402 WD 383m KP 40.265 Vs 0.42 kts
0334	Vessel passing AC23 N36 48.6061 W122 10.5598 WD 390m KP 40.556 Vs 0.42 kts
0434	Vessel passing AC24 N36 48.3417 W122 10.9199 WD 429m KP 41.276 Vs 0.38 kts
0615	Vessel passing AC25 N36 47.8513 W122 11.3472 WD 452m KP 42.383 Vs 0.20 kts
0629	Vessel stop. In position for plow launch N36 47.8434 W122 11.3498 WD 452m KP 42.398 Vs 0.19 kts
0703	Commence plow launch operations. N36 47.8425 W122 11.3472 WD 453m KP 42.398 Vs 0.02 kts
0719	Plow off deck. N36 47.8322 W122 11.3516 WD 453m KP 42.418 Vs 0.04 kts
0733	Plow in water N36 47.8131 W122 11.3612 WD 455m KP 42.457 Vs 0.08 kts SP7: N36 47.8142 W122 11.3606 KP 42.454
0740	Plow electrical failure. Commence recovery. N36 47.8055 W122 11.3628 WD 454m KP 42.470 Vs 0.04 kts SP7: N36 47.8064 W122 11.3621 KP 42.468
0755	Recovery suspended for troubleshooting. N36 47.8119 W122 11.3615 WD 455m KP 42.458 Vs 0.02 kts SP7: N36 47.8129 W122 11.3609 KP 42.456
0846	Resume plow recovery. N36 47.8123 W122 11.3615 WD 456m KP 42.458 Vs 0.04 kts SP7: N36 47.8134 W122 11.3609 KP 42.456
0936	Plow on deck N36 47.8402 W122 11.3482 WD 454m KP 42.402 Vs 0.00 kts SP7: N36 47.8412 W122 11.3476 KP 42.400
1012	IR test completed with satisfactory results. N36 47.8827 W122 11.3274 WD 450m KP 42.319 Vs 0.02 kts SP7: N36 47.8837 W122 11.3269 KP 42.317
1450	Repairs complete. Commence plow launch operations. N36 47.8854 W122 11.3386 WD 450m KP 42.325 Vs 0.06 kts SP7: N36 47.8866 W122 11.3383 KP 42.323
1459	Plow off deck N36 47.8754 W122 11.3441 WD 450m KP 42.344 Vs 0.05 kts SP7: N36 47.8764 W122 11.3437 KP 42.342
1519	Plow in water N36 47.8548 W122 11.3545 WD 452m KP 42.383 Vs 0.29 kts SP7: N36 47.8560 W122 11.3542 KP 42.383

1624	Plow on bottom N36 47.5774 W122 11.4743 WD 465m KP 42.923 Vs 0.23 kts SP7: N36 47.5821 W122 11.4733 KP 42.915
1757	Scopes set. N36 47.0190 W122 11.7373 WD 510m KP 44.009 Vs 0.20 kts SP7: N36 47.5821 W122 11.4733 KP 42.915
1815	Plow moving on seabed N36 46.9618 W122 11.7772 WD 515m KP 44.121 Vs 0.31 kts SP7: N36 47.5762 W122 11.4762 KP 42.927
1839	KM 5 over stern N36 46.8473 W122 11.8057 WD 527m KP 44.336 Vs 0.34 kts SP7: N36 47.4727 W122 11.5247 KP 43.131
1848	Cable end to jointing shop for end seal installation. N36 46.8032 W122 11.8230 WD 532m KP 44.421 Vs 0.32 kts SP7: N36 47.4314 W122 11.5431 KP 43.213
1918	Plow passing AC26 N36 46.6478 W122 11.7675 WD 546m KP 44.666 Vs 0.54 kts SP7: N36 47.3060 W122 11.5917 KP 43.455
2016	High currents pushing cable to west. Vessel stop to ensure cable correctly positioned. N36 46.3409 W122 11.7422 WD 585m KP 45.233 Vs 0.18 kts SP7: N36 47.0340 W122 11.6433 KP 43.966
2041	Resume burial. High cable tensions must be maintained to keep cable positioned in plow bellmouth due to currents. ASN rep advised. N36 46.3484 W122 11.7390 WD 584m KP 45.220 Vs 0.12 kts SP7: N36 47.0367 W122 11.6429 KP 43.961
2055	Plow moving on seabed. N36 46.3134 W122 11.7311 WD 588m KP 45.286 Vs 0.37 kts SP7: N36 47.0360 W122 11.6430 KP 43.963
2149	Plow passing Transition SAL/SA waypoint. No cable markings observed. N36 45.9970 W122 11.7615 WD 637m KP 45.782 Vs 0.38 kts SP7: N36 46.7356 W122 11.6702 KP 44.519
2158	Plow passing AC27. N36 45.9356 W122 11.7812 WD 645m KP 45.877 Vs 0.34 kts SP7: N36 46.6835 W122 11.6770 KP 44.619
2320	Plow passing AC28 N36 45.3838 W122 11.3024 WD 739m KP 47.108 Vs 1.36 kts SP7: N36 46.1114 W122 11.5753 KP 45.690

G. PLANNED ACTIVITIES NEXT 24 HOURS:

Complete cable installation. Commence PLIB operations.

H. OPERATIONAL SUMMARY

Activity	Today (Hours)	Brought Forward (Hours)	Total Hours To Date
In Port Working	0.00	0.00	0.00
In Port Standby	0.00	24.00	24.00
Splicing Operations	0.00	19.00	19.00
Burial Operations	9.00	75.00	84.00
Surface Lay Operations	7.00	10.00	17.00

Transit	0.00	57.50	57.50
Weather Downtime	0.00	0.00	0.00
Equipment Downtime	0.00	9.75	9.75
Vessel Downtime	0.00	0.00	0.00
Plow Downtime	8.00	23.25	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	0.00	6.00	6.00
Calibration	0.00	12.50	12.50
TOTALS	24.00	300.50	324.50

I. ESTIMATED DATES FOR PLANNING PROJECT RELATED ACTIVITIES

Date	Activity
3/14/2007	Shore Landing
3/19/2007	Complete Surface Lay
3/28/2007	Install TRF
4/2/2007	Disembark Personnel

J. TRANSMISSION: OTDR and IR test results satisfactory. Testing conducted IAW ASN protocol.

K. SUPPORT VESSEL STATUS

MBARI providing three local fishing vessels to perform guard boat duties on a rotating basis.

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: Very strong currents forced the increase of cable tensions in order to ensure proper orientation of cable entering plow. High tensions being reduced when environmental conditions allow.

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
Daily Burial - GLOBAL SENTINEL
20 Mar 2007 1409 UTC to 21 Mar 2007 0659 UTC

