

Location: #1(39.0192 N, 73.0536 W, 78 m water depth)
 Mooring Scope: 1.8 (nominal)
 (**near SW58 orig site)

Gilman Surface Buoy-small
 (+2780 kg, +6,150# in s.w.
 -500 kg, -1100# in air)
 with chain bridle
 (4 x 2 m 1/2" chain)

Floating tether
 (60 m long)
 (see detail)

Spar Buoy

3/4 in (17 mm) high strength, long link fender chain, 3m (9.8 ft)
 (-45#, 200 N, 20 kg in s.w.) (2 PL)

3/4 in (17 mm) high strength, long link fender chain, 4m (13.1 ft)
 (-60#, 267 N, 26.7 kg in s.w.)

3/4 in (19 mm) high strength, long link chain
 (100 m, 328 ft, 1500 #, 6.7 kN, 678 kg in s.w.)

At each end and every 5 m
 remove center stud
 and add 1"S and 3/4 SL to
 interior locations to aid
 deployment/recovery ops

5 ton, (49 kN, 5000 kg) BB swivel
 (-15#, 67 N, 6.8 kg in s.w.)

(D1,D2) 3/4 chain term.
 and pick points

NOTE: for recovery, bring all instruments aboard and
 separate chain below BB swivel. Discard all chain below
 BB swivel.

Cast Iron Double Mace Anchor,
 3420# (15.2 kN, 1548 kg) in s.w.
 (4000# (17.8 kN, 1810 kg) in air)

1 inch (25 mm) Grade 2a, high strength,
 stud link chain (27.4 m, 90 ft, 1 shot),
 (-860 # (3.8 kN, 390 kg) in air,
 -750# (3.3 kN, 341 kg) in s.w.)

Terminations	
A	1 SH, 1 SL, 1 SH
B	1 SH, 3/4 SL as needed
C	1 SH, 7/8 SL, 3/4 SH
D1	3/4 SH, 7/8 SL, 3/4 SH
D2	5/8 SH, 3/4 SL as needed
E	3/4 SH, 7/8 SL, 3/4 SH, 5TBB, 3/4 SH
F	(4x 5/8 SH), 1 1/8 WR, 3/4 SH
G	4x (5/8 SH, 1 SH)

SH=Shackle, SL=Sling Link, WR=Weldless Ring,
 RL=Release link, BB=Ball bearing swivel

*Shackles are Crosby G-2130 or equiv.

Chain (per mooring)		
size	type	# ft req'd
1/2	MT	40
3/4	MT	361
1	ST	90

MT=Mooring Type ACCO
 Mooring Chain or equivalent
 ST=Stud-Link Type ABS or
 equivalent

**Totals are PER MOORING, but
 don't include B or D2 for
 deployment**

Hardware (no spares)		
size	type	# req'd
5/8	SH	17
3/4	SH	18
1	SH	13
3/4	SL	6
7/8	SL	6
1	SL	1
1 1/8 x 6	WR	1
5 ton	BB	1

All termination shackles in contact with bottom should have nuts welded to pin-
 though pin remains free to rotate relative to shackle body.

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FINAL
 Miami ASIS Mooring SW 57
 SHALLOW WATER 2006