

SHORT AND LONG WAVE RADIATION: TFLEX FLEX  
 CO2 ANTENNA  
 AT/RH, TFLEX MP-101 A  
 AT/RH, FLEX MP101 A  
 RADAR REFLECTOR  
 TFLEX TUBE  
 TFLEX SYSTEM SOFT VER# 1.12

GILL SONIC ANEMOMETER, FLEX  
 GILL SONIC ANEMOMETER, TFLEX  
 RAIN GAGE(2), FLEX & TFLEX  
 SOLAR LIGHT, FL(5) Y 20s  
 AT/RH2. FLEX HYGROCLIP  
 DRUCK BAROMETER, FLEX  
 DRUCK BAROMETER, TFLEX

1 METER:  
 SBE-16 CTD/GTD/02/FLNTU  
 SAMI pH SENSOR

1 METER:  
 SBE 37SMP TC, FLEX  
 SBE 37SMP TC TFLEX

1 1/4" SAS  
 1 1/4" SAS  
 2 LINKS 1" CHAIN  
 1" SAS  
 WRENCH TIGHTEN  
 3 SHACKLES

2,322 METERS BOUYANT 7/8" POLYOLEFIN MOORING LINE

1.1 METERS 1/2" CHAIN  
 18 ea. 17" VITROVEX 6,700 METER GLASS BALL FLOATS. 1.5 METER SPACING BETWEEN 2 PACKS.

3/4" SAS WITH BUSHING  
 .5 METER 1/2" CHAIN  
 5/8" SAS  
 5 TON SWIVEL; LOWER BODY OF SWIVEL ATTACHED TO BALLS  
 5/8" SAS  
 5/8" SAS  
 4 METERS 1/2" CHAIN  
 5/8" SAS  
 4 METERS 1/2" CHAIN  
 5/8" SAS  
 4 METERS 1/2" CHAIN  
 5/8" SAS  
 4 METERS 1/2" CHAIN  
 5/8" SAS  
 4 METERS 1/2" CHAIN  
 5/8" SAS  
 .5 METERS 1/2" CHAIN  
 3/4" SAS  
 20 METERS 1 1/8" NYLON  
 3/4" SAS  
 .5 METER 1/2" CHAIN  
 3/4" SAS  
 5 TON SWIVEL  
 3/4" SAS  
 5/8" SAS  
 TWIN 8242 ACOUSTIC RELEASES  
 FACTORY CHAIN/RING KIT  
 5/8" SAS  
 .5 METER 1/2" CHAIN  
 3/4" SAS  
 20 METERS 1 1/8" NYLON  
 3/4" SAS  
 .5 M 3/4" CHAIN  
 3/4" SAS  
 5 TON SWIVEL  
 3/4" SAS  
 4 M 3/4" CHAIN

EYE INTO EYE SPLICE

4,941 METERS CONTINUOUS NYLON LINE. TOTAL, ALL SIZES

FACTORY SPLICED NYLON TAPER 1,070 METERS TOTAL

\*\*Wrap 3/4" SAS pin/nut with Vulcanizing Tape, \*\* overwrap with black tape.


ALL SHACKLES WELDED CLOSED BELOW THIS LINE

3/8" wire rope shackled around anchor shafts

3/4" SAS  
 1 M 1/2" CHAIN  
 3/4" SAS  
 ANCHOR BAR  
 ANCHOR WEIGHT  
 8,240#, AIR WT  
 7,168#, WET WT.

5 METERS  
 8.46 METERS  
 10 METERS  
 15 METERS  
 16.46 METERS  
 20 METERS  
 23 METERS  
 25 METERS  
 35 METERS  
 36.46 METERS  
 40 METERS  
 50 METERS  
 75 METERS  
 100 METERS  
 123 METERS  
 125 METERS  
 150 METERS  
 175 METERS  
 200 METERS  
 225 METERS  
 240 METERS, RESTART FAIRINGS  
 275 METERS  
 325 METERS  
 375 METERS  
 425 METERS  
 475 METERS  
 525 METERS  
 700 METERS

INDUCTIVE CABLE BREAKOUT  
 TOP OF WIRE, START FAIRINGS  
 SBE-39IM TP INVERTED  
 AQUADOPP  
 SBE-37IM TC  
 SBE-37IM TC  
 AQUADOPP  
 SBE-39IM TP INVERTED  
 BACK SCATTER  
 SBE-37IM TC  
 SBE-37IM TC  
 AQUADOPP  
 SBE-39IM T INVERTED  
 SBE-37IM TCP  
 SBE-37IM TCP  
 SBE-37IM TCP  
 BACK SCATTER  
 SBE-37IM TCP  
 150 METERS, STOP FAIRINGS  
 SBE-37IM TCP  
 SBE-37IM TCP  
 PAL  
 SBE-37IM TCP  
 240 METERS, RESTART FAIRINGS  
 SBE-37IM TCP  
 SBE-37IM TCP  
 SBE-39IM TP  
 SBE-37IM TCP  
 SBE-39IM TP  
 SBE-37IM TCP  
 3/4" SAS, Wrench tighten. \*\*  
 3/4" SAS, Wrench tighten. \*\*  
 5 TON SWIVEL  
 3/4" SAS, Wrench tighten. \*\*  
 .5 METER 3/4" CHAIN  
 1" SAS WITH BUSHING, Wrench tighten. \*\*  
 10 METER LENGTH NYLON STIFFENER APPLIED TO TOP OF 1" NYLON  
 ~380 METER LENGTH 1" NYLON Tapered factory spliced to 7/8" nylon  
 ~348 METER LENGTH 7/8" NYLON Tapered factory spliced to 3/4" nylon  
 ~342 METER LENGTH 3/4" NYLON Tapered factory spliced to 11/16" nylon

|   |                 |
|---|-----------------|
| WRENCH TIGHTEN ALL SHACKLES   |                 |
| DEPTH: 5722 METERS  |                 |
|  <b>NOAA-PMEL-KEO</b><br>7600 Sandpoint Way NE<br>Seattle, Wa. 98115<br>(206) 526-6149 |                 |
| MOORING:  | KEO-013         |
| SCOPE:  | 1.4:1           |
| DRAWN BY:   | MIKE CRAIG      |
| DATE:   | 16 OCTOBER 2015 |
| DRAWN AS DEPLOYED:  |                 |