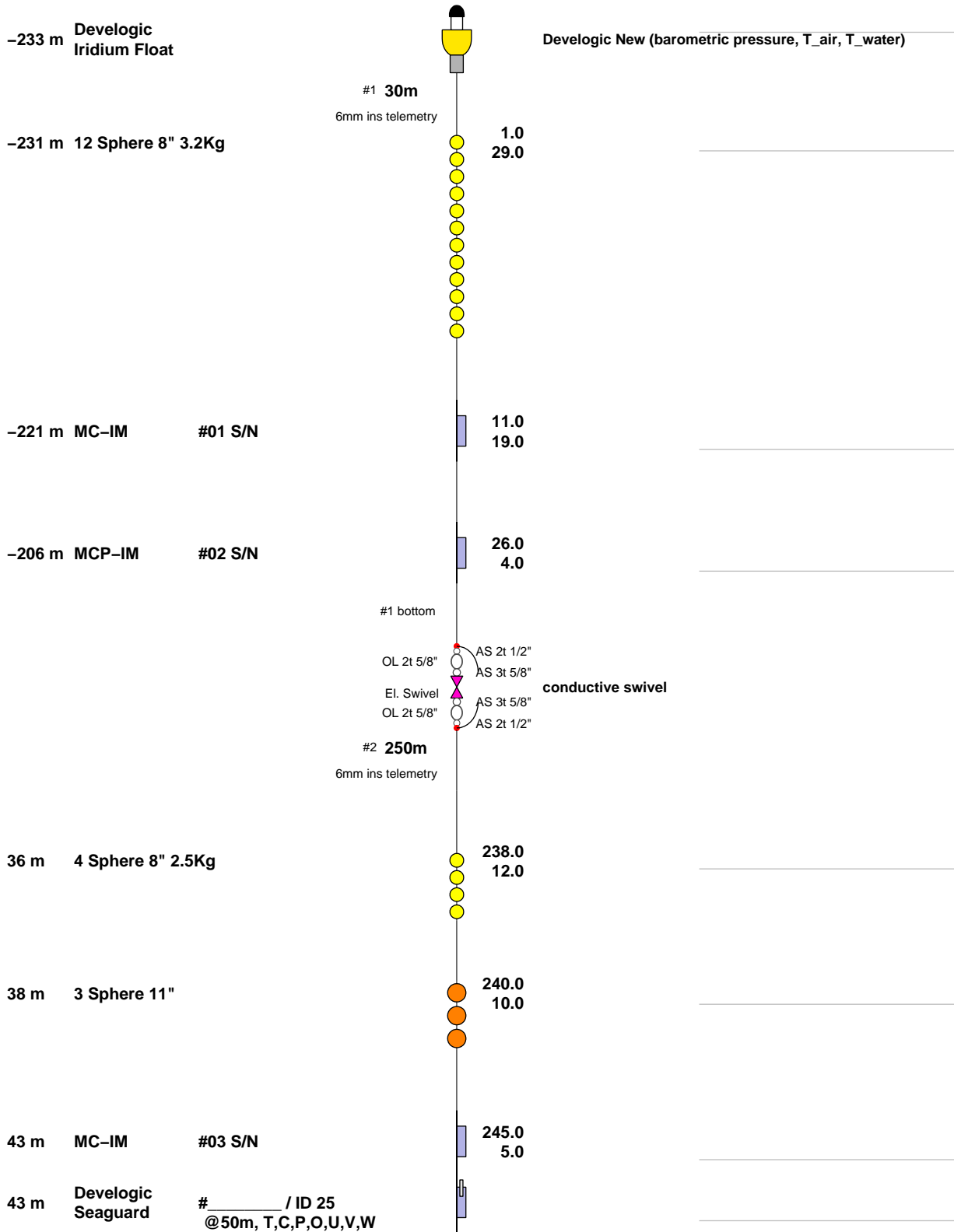


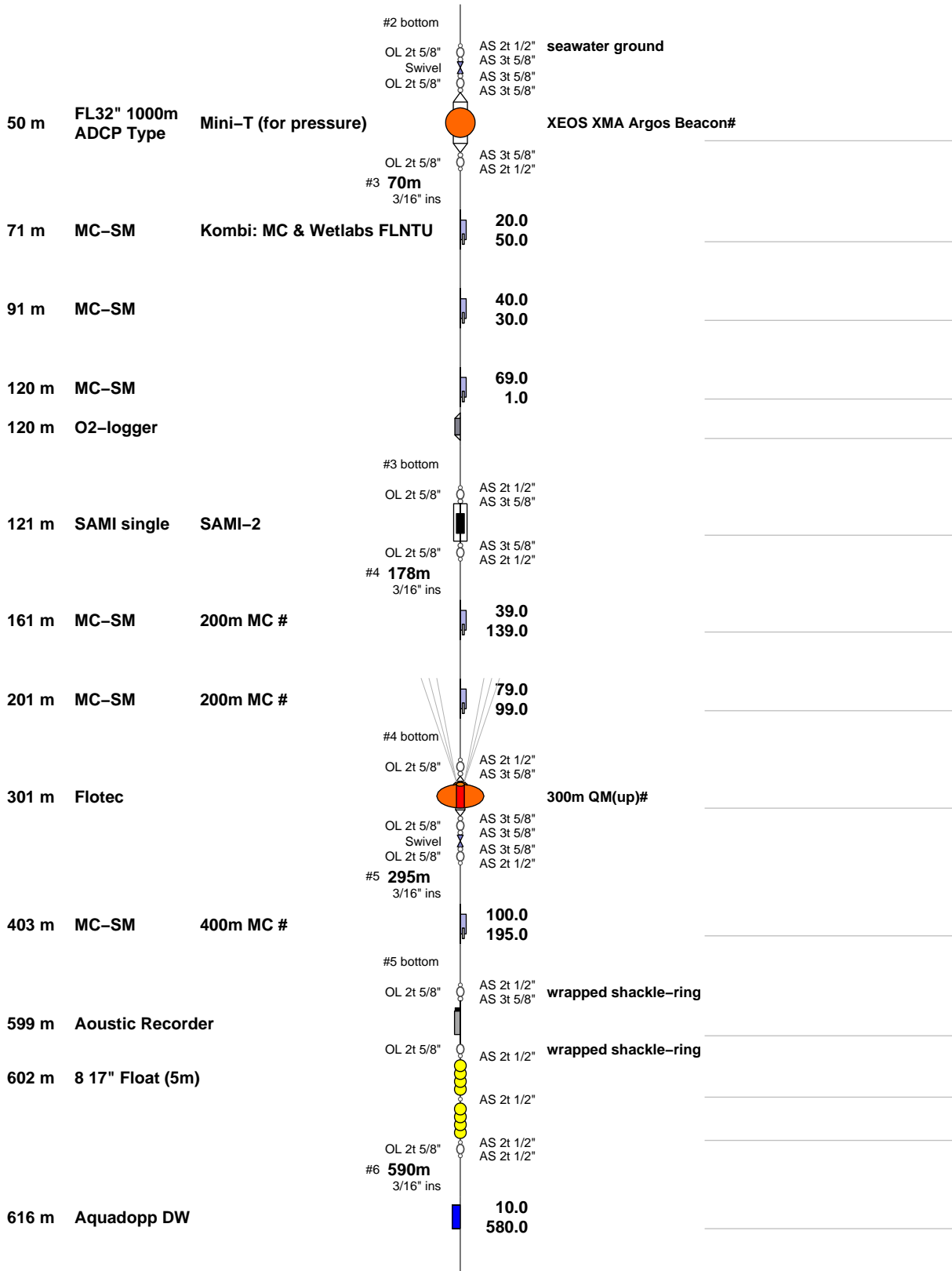
<b>V440-06/KPO XXXX/CV</b> <b>Deployment: Meteor 106 – Spring 2014</b>					
Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440_06_cb.cfg Author: 19-Feb-2014 11:06:08, begler@kim(GLNX86)					
depth (incl. stretch)	component	S/N description	rope # & Length	Distance from Upper / Lower rope end	in/out of water comment

!!! Check for Cotter Pins !!!



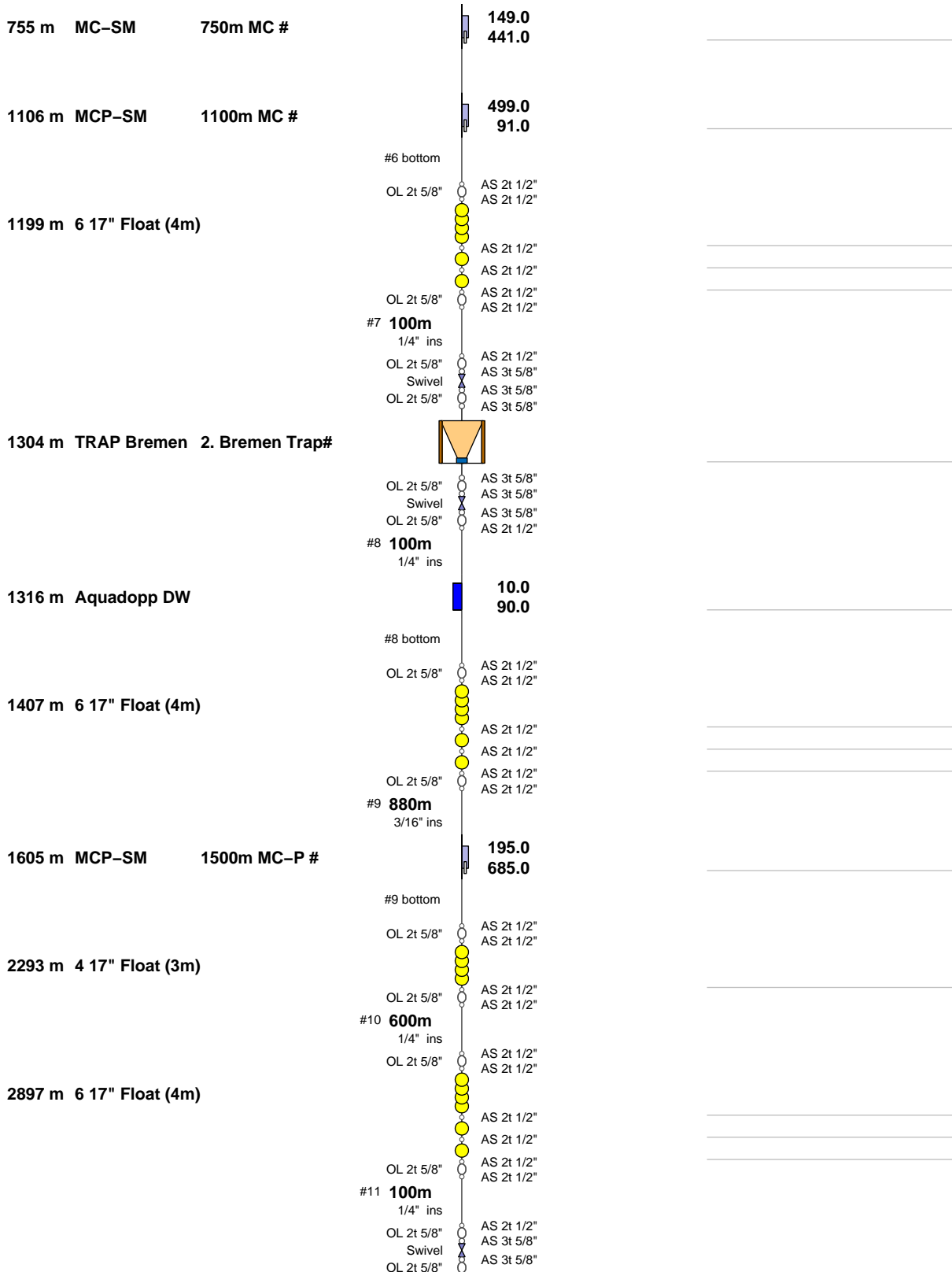
<b>V440-06/KPO XXXX/CV</b>					
<b>Deployment: Meteor 106 – Spring 2014</b>					
Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440_06_cb.cfg					
Author: 19-Feb-2014 11:06:08, begler@kim(GLNX86)					
depth (incl. stretch)	component	S/N description	rope # & Length	Distance from Upper / Lower rope end	in/out of water comment

!!! Check for Cotter Pins !!!



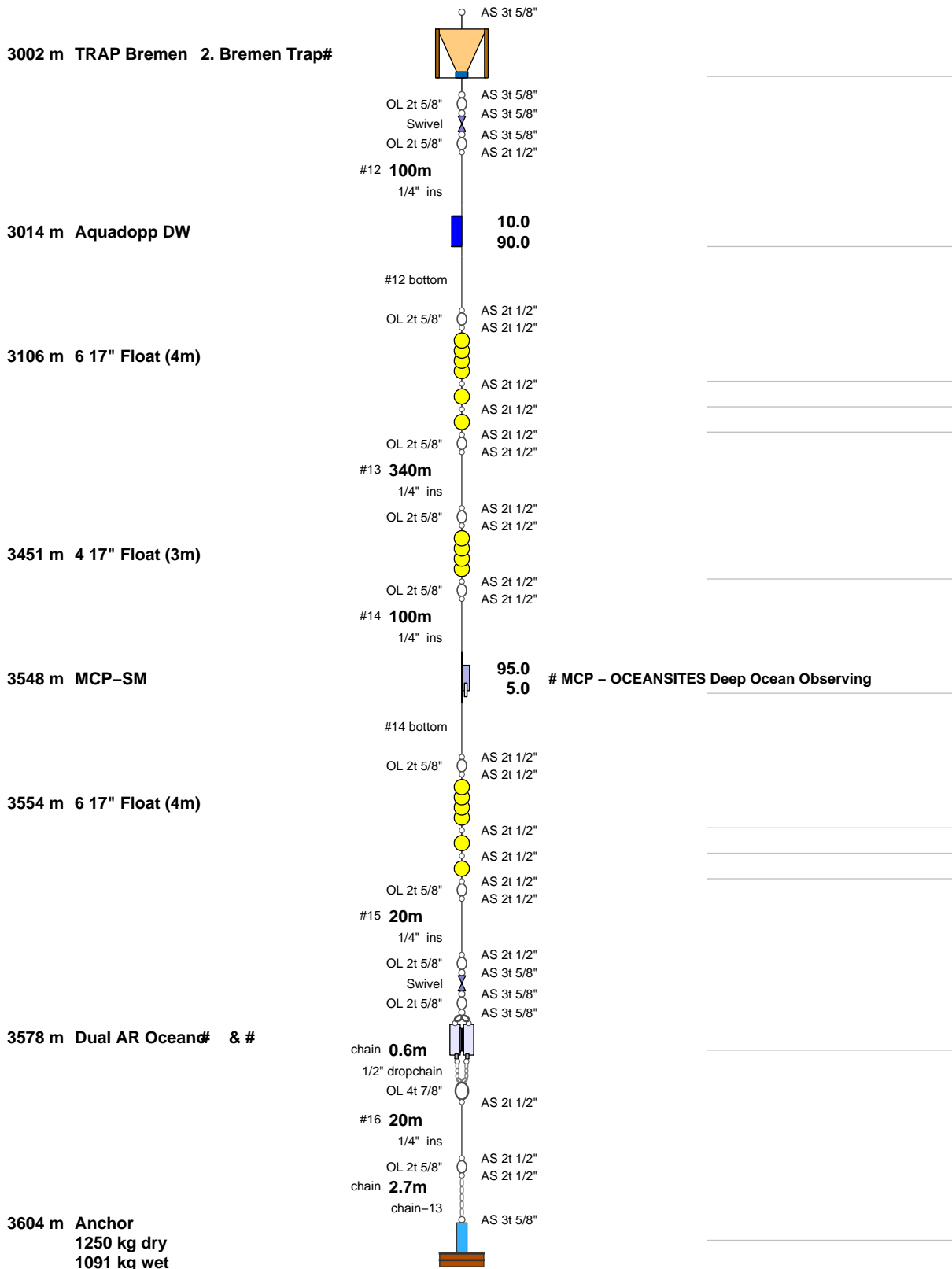
<b>V440-06/KPO XXXX/CV</b> <b>Deployment: Meteor 106 – Spring 2014</b>					
Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440_06_cb.cfg					
Author: 19-Feb-2014 11:06:08, begler@kim(GLNX86)					
depth (incl. stretch)	component	S/N description	rope # & Length	Distance from Upper / Lower rope end	in/out of water comment

!!! Check for Cotter Pins !!!



<b>V440-06/KPO XXXX/CV</b>					
<b>Deployment: Meteor 106 – Spring 2014</b>					
Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440_06_cb.cfg					
Author: 19-Feb-2014 11:06:08, begler@kim(GLNX86)					
depth (incl. stretch)	component	S/N description	rope # & Length	Distance from Upper / Lower rope end	in/out of water comment

!!! Check for Cotter Pins !!!



**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:08, begler@kim(GLNX86)

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**Element List**

Code	Count	Label	Weight in air / water	
-----				
Components				
31	59	1/2" BTAS 2.0t	24.2 kg	21.2 kg
32	29	5/8" BTAS 3.2t	22.0 kg	19.2 kg
42	38	5/8" oval link 1.9t	25.1 kg	22.0 kg
44	1	7/8" oval link 3.7t	1.7 kg	1.4 kg
92	7	Swivel (DW 15/60)	16.8 kg	14.0 kg
97	1	Electric Swivel	6.0 kg	5.2 kg
216	1	32" float 1500m, type ADCP	156.0 kg	-110.0 kg
244	12	Fischerkugel 8" 3.2Kg	60.0 kg	-38.4 kg
245	4	Fischerkugel 8" 2.5Kg	24.0 kg	-10.0 kg
246	3	Fischerkugel 11" 8.4Kg	24.0 kg	-25.2 kg
291	10	1 17" Spheres serial	240.0 kg	-220.0 kg
294	9	4 17" Spheres serial	873.0 kg	-810.0 kg
330	1	QM150 down Eliptic Flotec	277.0 kg	-54.0 kg
333	7	MicroCAT SM37	26.6 kg	19.6 kg
334	3	MicroCAT SM37 pressure	11.4 kg	8.4 kg
336	2	MicroCAT IM37	7.6 kg	5.6 kg
337	1	MicroCAT IM37 pressure	3.8 kg	2.8 kg
347	3	Aquadopp DW clamp	28.5 kg	18.0 kg
369	1	Acoustic Recorder	40.0 kg	15.0 kg
381	1	Develogic\nSeaguard	15.0 kg	8.0 kg
390	2	sediment trap Bremen	NaN kg	100.0 kg
393	1	Develogic Iridium Float	100.0 kg	-30.0 kg
402	1	O2 Logger Pinck	1.8 kg	0.7 kg
404	1	SAMI frame	10.0 kg	11.5 kg
472	1	Dual Oceano AR	75.0 kg	57.0 kg
480	1	DropChain 1/2"-4ft	7.8 kg	6.8 kg
			-----	-----
Components weight :			2077.3 kg	-961.1 kg
-----				
Ropes				
101	2013m	3/16" 3x19 NILSPIN insulated	221.4 kg	155.4 kg
102	1480m	1/4" 3x19 NILSPIN insulated	284.2 kg	208.7 kg
120	280m	6mm wire rope 7x7 insulated	21.8 kg	14.0 kg
151	3m	chain 13mm	7.8 kg	6.8 kg
			-----	-----
Ropes weight :			535.3 kg	384.9 kg
-----				
Summary				
			-----	-----
Components			2077.3 kg	-961.1 kg
Ropes			535.3 kg	384.9 kg
520	1	Anchor variable	1250.0 kg	1090.8 kg
			-----	-----
Mooring total weight :			3862.6 kg	514.6 kg

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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**Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg**  
**Author: 19-Feb-2014 11:06:08, begler@kim(GLNX86)**

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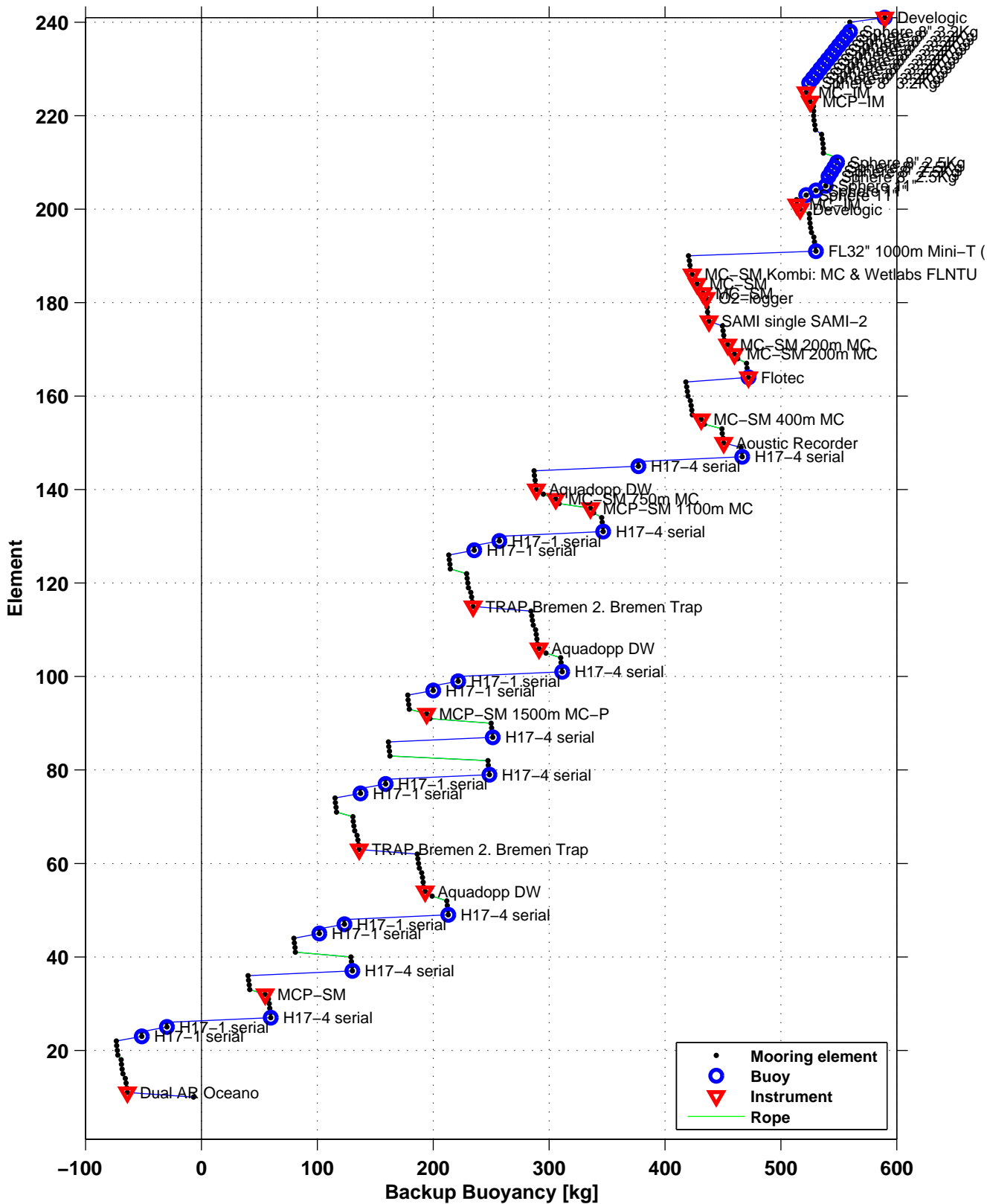
**Rope List**

#	Code	Length	Label	Weight in air	/	water
1x	120	30m	6mm wire rope 7x7 insulated	2.3 kg		1.5 kg
2x	120	250m	6mm wire rope 7x7 insulated	19.5 kg		12.5 kg
3	101	70m	3/16" 3x19 NILSPIN insulated	7.7 kg		5.4 kg
4	101	178m	3/16" 3x19 NILSPIN insulated	19.6 kg		13.7 kg
5	101	295m	3/16" 3x19 NILSPIN insulated	32.5 kg		22.8 kg
6	101	590m	3/16" 3x19 NILSPIN insulated	64.9 kg		45.5 kg
7	102	100m	1/4" 3x19 NILSPIN insulated	19.2 kg		14.1 kg
8	102	100m	1/4" 3x19 NILSPIN insulated	19.2 kg		14.1 kg
9	101	880m	3/16" 3x19 NILSPIN insulated	96.8 kg		67.9 kg
10	102	600m	1/4" 3x19 NILSPIN insulated	115.2 kg		84.6 kg
11	102	100m	1/4" 3x19 NILSPIN insulated	19.2 kg		14.1 kg
12	102	100m	1/4" 3x19 NILSPIN insulated	19.2 kg		14.1 kg
13	102	340m	1/4" 3x19 NILSPIN insulated	65.3 kg		47.9 kg
14	102	100m	1/4" 3x19 NILSPIN insulated	19.2 kg		14.1 kg
15	102	20m	1/4" 3x19 NILSPIN insulated	3.8 kg		2.8 kg
16	102	20m	1/4" 3x19 NILSPIN insulated	3.8 kg		2.8 kg
	151	3m	chain 13mm	7.8 kg		6.8 kg

Symmetric Marker: 38

#	Length	Type	Position of Markers [m]
1x	30m	6mm ins	telemetry: 1, 4, 11, 19, 26, 29
2x	250m	6mm ins	telemetry: 5, 10, 12, 238, 240, 245
3	70m	3/16" ins	1, 20, 30, 40, 50, 69
4	178m	3/16" ins	39, 79, 99, 139
5	295m	3/16" ins	100, 195
6	590m	3/16" ins	10, 91, 149, 441, 499, 580
8	100m	1/4" ins	10, 90
9	880m	3/16" ins	195, 685
12	100m	1/4" ins	10, 90
14	100m	1/4" ins	5, 95

V440-06/KPO XXXX/CV
Deployment: Meteor 106 – Spring 2014
Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440_06_cb.cfg
Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)
Backup Buoyancy



NO Current Vertical anchor load : 576 kg  
 Wet safe anchor weight : 864 kg (150%, max: 500 kg)  
 Wet / Dry Clump anchor weight : 1091 kg / 1250 kg

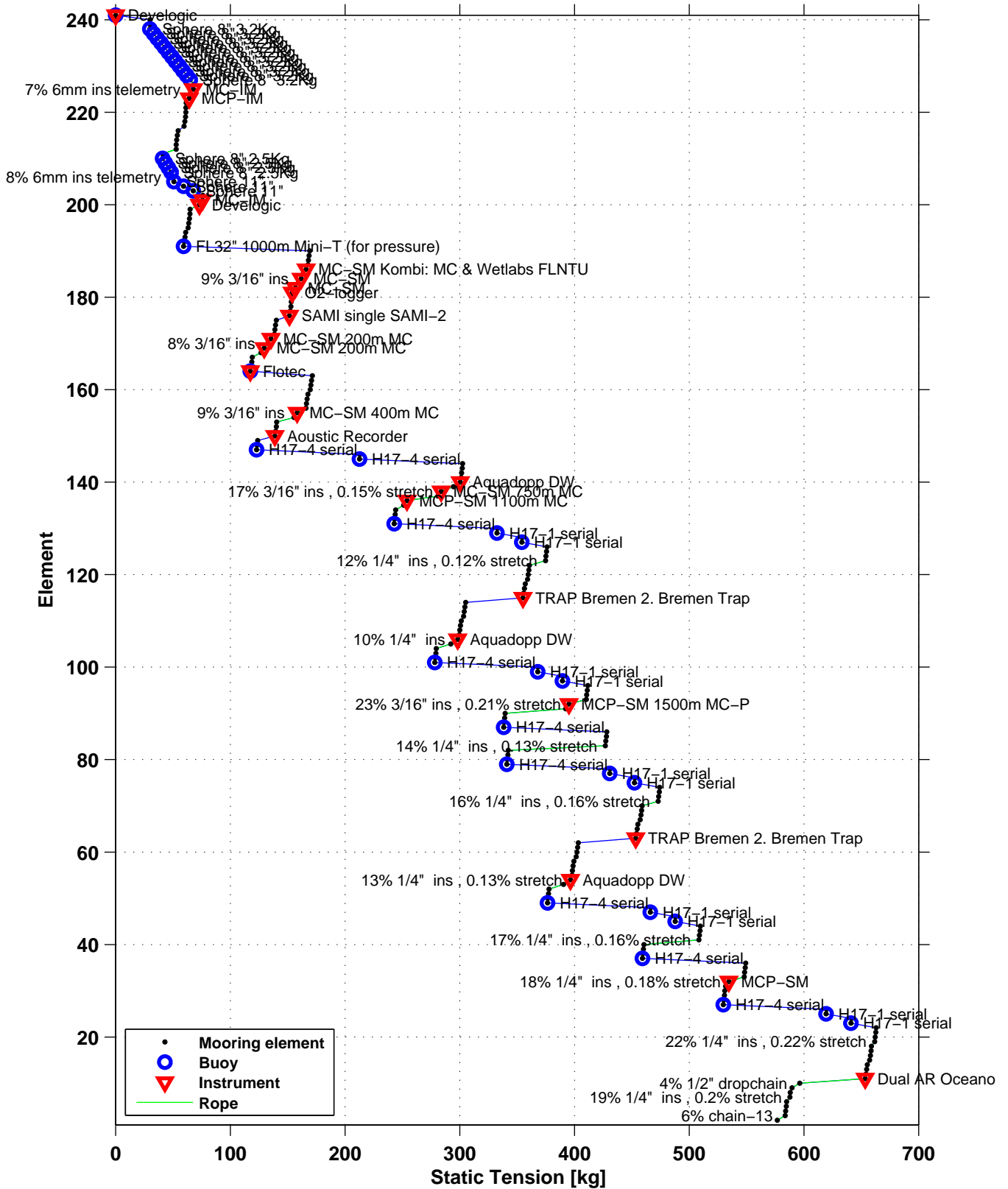
**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

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**No Current Static Tension**



**NO Current Vertical anchor load : 576 kg**  
**Wet safe anchor weight : 864 kg (150%, max: 500 kg)**  
**Wet / Dry Clump anchor weight : 1091 kg / 1250 kg**



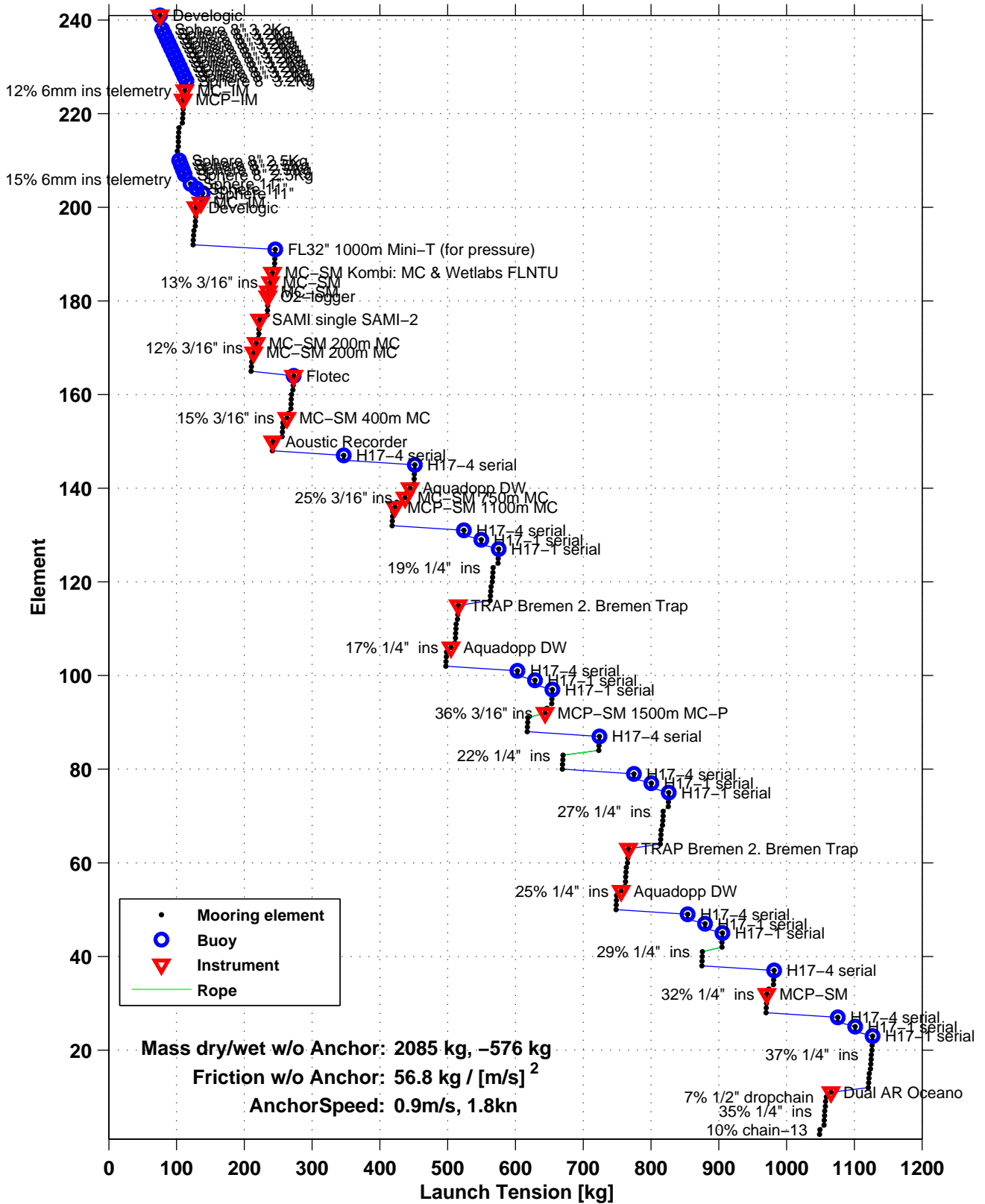
**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

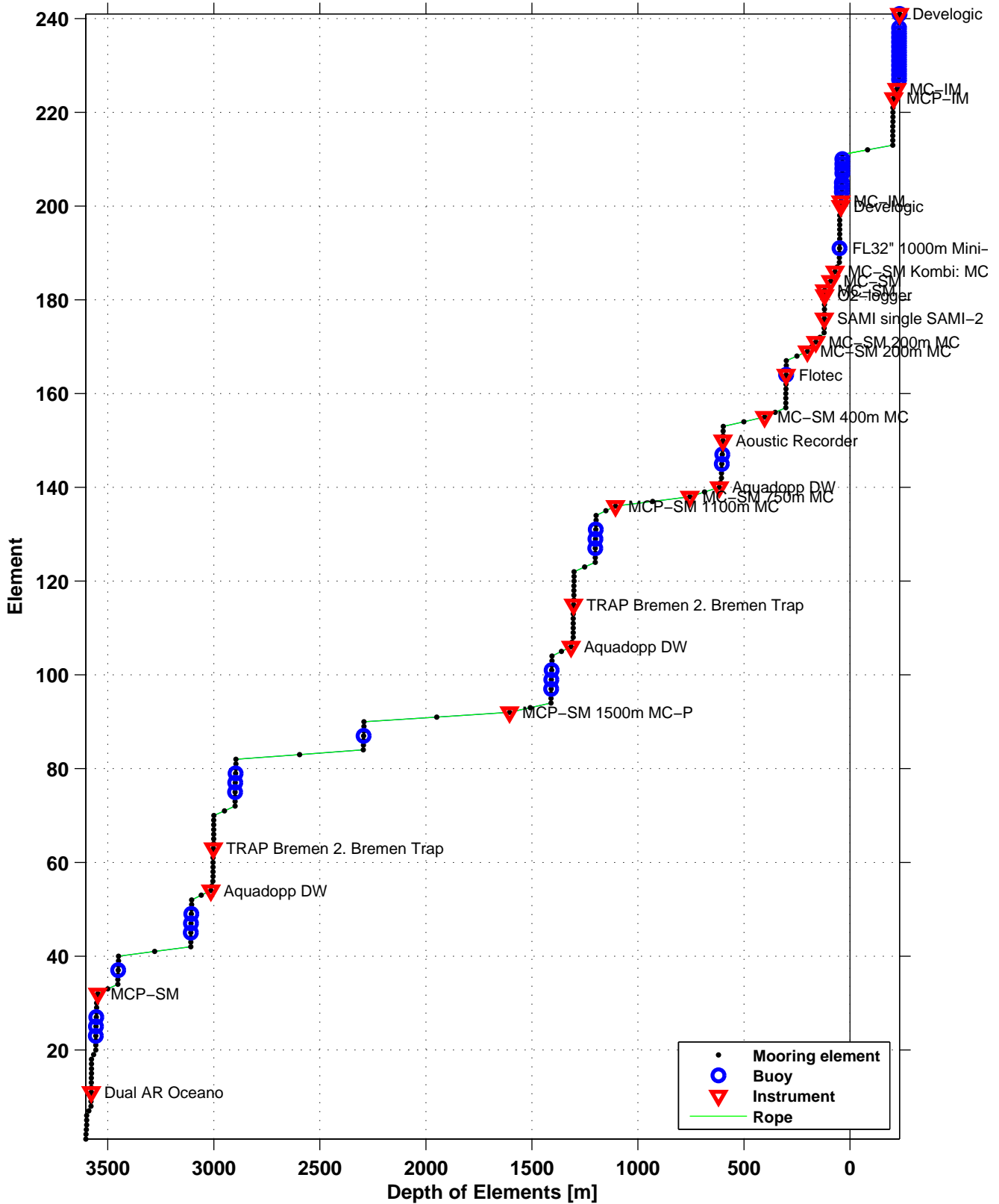
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**Steady State Launch Tension**



**NO Current Vertical anchor load : 576 kg**  
**Wet safe anchor weight : 864 kg (150%, max: 500 kg)**  
**Wet / Dry Clump anchor weight : 1091 kg / 1250 kg**

<b>V440-06/KPO XXXX/CV</b> <b>Deployment: Meteor 106 – Spring 2014</b>
Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440_06_cb.cfg Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)
<b>Depth of Elements</b>



NO Current Vertical anchor load : 576 kg  
 Wet safe anchor weight : 864 kg (150%, max: 500 kg)  
 Wet / Dry Clump anchor weight : 1091 kg / 1250 kg

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

**No Current Static Solution – Parameter**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Backup B. [kg]	Height [m]	Design Dpt [m]	Tension [kg]	Tension [%]	Stretch [m]	Stretch [%]
241	393	Develogic Iridiu	1.0	30.0	589.6	3837.3	-233.3	0.0	0.0	0.00	0.00
239	120	6mm ins telemetr	1.0	-0.0	559.6	3836.3	-231.8	30.0	3.2	0.00	0.00
238	244	Sphere 8" 3.2Kg	0.0	3.2	559.7	3835.3	-231.3	29.9	0.5	0.00	0.00
237	244	Sphere 8" 3.2Kg	0.0	3.2	556.5	3835.3	-231.3	33.1	0.6	0.00	0.00
236	244	Sphere 8" 3.2Kg	0.0	3.2	553.3	3835.3	-231.3	36.4	0.6	0.00	0.00
235	244	Sphere 8" 3.2Kg	0.0	3.2	550.1	3835.3	-231.3	39.5	0.7	0.00	0.00
234	244	Sphere 8" 3.2Kg	0.0	3.2	546.9	3835.3	-231.3	42.8	0.7	0.00	0.00
233	244	Sphere 8" 3.2Kg	0.0	3.2	543.7	3835.3	-231.3	45.9	0.8	0.00	0.00
232	244	Sphere 8" 3.2Kg	0.0	3.2	540.5	3835.3	-231.3	49.1	0.8	0.00	0.00
231	244	Sphere 8" 3.2Kg	0.0	3.2	537.3	3835.3	-231.3	52.3	0.9	0.00	0.00
230	244	Sphere 8" 3.2Kg	0.0	3.2	534.1	3835.3	-231.3	55.6	0.9	0.00	0.00
229	244	Sphere 8" 3.2Kg	0.0	3.2	530.9	3835.3	-231.3	58.8	1.0	0.00	0.00
228	244	Sphere 8" 3.2Kg	0.0	3.2	527.7	3835.3	-231.3	62.0	1.0	0.00	0.00
227	244	Sphere 8" 3.2Kg	0.0	3.2	524.5	3835.3	-231.3	65.2	1.1	0.00	0.00
226	120	6mm ins telemetr	10.0	-0.5	521.3	3835.3	-226.3	68.4	7.2	0.00	0.00
225	336	MC-IM	0.0	-2.8	521.8	3825.3	-221.3	67.9	0.7	0.00	0.00
224	120	6mm ins telemetr	15.0	-0.7	524.6	3825.3	-213.8	65.1	6.8	0.00	0.00
223	337	MCP-IM	0.0	-2.8	525.3	3810.3	-206.3	64.3	0.6	0.00	0.00
222	120	6mm ins telemetr	4.0	-0.2	528.1	3810.3	-204.3	61.5	6.5	0.00	0.00
220	31	AS 2t 1/2"	0.1	-0.4	528.3	3806.3	-202.3	61.3	0.8	0.00	0.00
219	42	OL 2t 5/8"	0.1	-0.6	528.7	3806.3	-202.2	60.9	0.8	0.00	0.00
218	32	AS 3t 5/8"	0.1	-0.7	529.2	3806.1	-202.1	60.4	0.5	0.00	0.00
217	97	El. Swivel	0.2	-5.2	529.9	3806.1	-202.0	59.7	1.0	0.00	0.00
216	32	AS 3t 5/8"	0.1	-0.7	535.1	3805.9	-201.9	54.5	0.5	0.00	0.00
215	42	OL 2t 5/8"	0.1	-0.6	535.8	3805.8	-201.8	53.8	0.7	0.00	0.00
214	31	AS 2t 1/2"	0.1	-0.4	536.4	3805.7	-201.7	53.3	0.7	0.00	0.00
212	120	6mm ins telemetr	237.0	-11.8	536.7	3805.7	-83.2	52.9	5.6	0.00	0.00
211	120	6mm ins telemetr	1.0	-0.0	548.6	3568.7	35.8	41.0	4.3	0.00	0.00
210	245	Sphere 8" 2.5Kg	0.0	2.5	548.6	3567.7	36.3	41.0	0.7	0.00	0.00
209	245	Sphere 8" 2.5Kg	0.0	2.5	546.1	3567.7	36.3	43.5	0.7	0.00	0.00
208	245	Sphere 8" 2.5Kg	0.0	2.5	543.6	3567.7	36.3	46.0	0.8	0.00	0.00
207	245	Sphere 8" 2.5Kg	0.0	2.5	541.1	3567.7	36.3	48.5	0.8	0.00	0.00
206	120	6mm ins telemetr	2.0	-0.1	538.6	3567.7	37.3	51.0	5.4	0.00	0.00
205	246	Sphere 11"	0.0	8.4	538.7	3565.7	38.3	50.9	0.8	0.00	0.00
204	246	Sphere 11"	0.0	8.4	530.3	3565.7	38.3	59.3	1.0	0.00	0.00
203	246	Sphere 11"	0.0	8.4	521.9	3565.7	38.3	67.7	1.1	0.00	0.00
202	120	6mm ins telemetr	5.0	-0.2	513.5	3565.7	40.8	76.1	8.0	0.00	0.00
201	336	MC-IM	0.0	-2.8	513.8	3560.7	43.3	75.8	0.8	0.00	0.00
200	381	Develogic Seagua	0.0	-8.0	516.6	3560.7	43.3	73.0	0.7	0.00	0.00
199	120	6mm ins telemetr	5.0	-0.2	524.6	3560.7	45.8	65.0	6.8	0.00	0.00
198	31	AS 2t 1/2"	0.1	-0.4	524.8	3555.7	48.4	64.8	0.8	0.00	0.00
197	42	OL 2t 5/8"	0.1	-0.6	525.2	3555.6	48.5	64.4	0.8	0.00	0.00
196	32	AS 3t 5/8"	0.1	-0.7	525.8	3555.5	48.5	63.9	0.5	0.00	0.00
195	92	Swivel	0.2	-2.0	526.4	3555.4	48.7	63.2	1.1	0.00	0.00
194	32	AS 3t 5/8"	0.1	-0.7	528.4	3555.3	48.8	61.2	0.5	0.00	0.00
193	42	OL 2t 5/8"	0.1	-0.6	529.1	3555.2	48.9	60.5	0.8	0.00	0.00
192	32	AS 3t 5/8"	0.1	-0.7	529.7	3555.1	49.0	60.0	0.5	0.00	0.00
191	216	FL32" 1000m ADCP	1.3	110.0	530.3	3555.0	49.6	59.3	0.6	0.00	0.00
190	32	AS 3t 5/8"	0.1	-0.7	420.3	3553.7	50.3	169.3	1.4	0.00	0.00
189	42	OL 2t 5/8"	0.1	-0.6	421.0	3553.7	50.4	168.6	2.1	0.00	0.00
188	31	AS 2t 1/2"	0.1	-0.4	421.6	3553.6	50.5	168.1	2.1	0.00	0.00
187	101	3/16" ins	20.0	-1.5	421.9	3553.5	60.5	167.7	9.2	0.02	0.09
186	333	MC-SM	0.0	-2.8	423.5	3533.5	70.5	166.2	1.7	0.00	0.00
185	101	3/16" ins	20.0	-1.5	426.3	3533.5	80.5	163.4	9.0	0.02	0.09
184	333	MC-SM	0.0	-2.8	427.8	3513.5	90.5	161.8	1.6	0.00	0.00
183	101	3/16" ins	29.0	-2.2	430.6	3513.5	105.0	159.0	8.8	0.03	0.09

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

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**No Current Static Solution – Parameter, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Backup B. [kg]	Height [m]	Design Dpt [m]	Tension [kg]	Tension [%]	Stretch [m]	Stretch [%]
182	333	MC-SM	0.0	-2.8	432.8	3484.4	119.6	156.8	1.6	0.00	0.00
181	402	O2-logger	0.0	-0.7	435.6	3484.4	119.6	154.0	1.5	0.00	0.00
180	101	3/16" ins	1.0	-0.1	436.3	3484.4	120.1	153.3	8.4	0.00	0.08
179	31	AS 2t 1/2"	0.1	-0.4	436.4	3483.4	120.6	153.2	1.9	0.00	0.00
178	42	OL 2t 5/8"	0.1	-0.6	436.8	3483.4	120.7	152.8	1.9	0.00	0.00
177	32	AS 3t 5/8"	0.1	-0.7	437.4	3483.3	120.8	152.3	1.3	0.00	0.00
176	404	SAMI single	1.0	-11.5	438.0	3483.2	121.3	151.6	1.5	0.00	0.00
175	32	AS 3t 5/8"	0.1	-0.7	449.5	3482.2	121.8	140.1	1.2	0.00	0.00
174	42	OL 2t 5/8"	0.1	-0.6	450.2	3482.1	121.9	139.4	1.7	0.00	0.00
173	31	AS 2t 1/2"	0.1	-0.4	450.8	3482.0	122.0	138.8	1.7	0.00	0.00
172	101	3/16" ins	39.0	-3.0	451.1	3482.0	141.5	138.5	7.6	0.03	0.08
171	333	MC-SM	0.0	-2.8	454.1	3442.9	161.1	135.5	1.4	0.00	0.00
170	101	3/16" ins	40.0	-3.1	456.9	3442.9	181.1	132.7	7.3	0.03	0.07
169	333	MC-SM	0.0	-2.8	460.0	3402.9	201.1	129.6	1.3	0.00	0.00
168	101	3/16" ins	99.1	-7.6	462.8	3402.9	250.6	126.8	7.0	0.07	0.07
167	31	AS 2t 1/2"	0.1	-0.4	470.5	3303.9	300.2	119.1	1.5	0.00	0.00
166	42	OL 2t 5/8"	0.1	-0.6	470.8	3303.8	300.3	118.8	1.5	0.00	0.00
165	32	AS 3t 5/8"	0.1	-0.7	471.4	3303.7	300.3	118.2	1.0	0.00	0.00
164	330	Flotec	1.7	54.0	472.1	3303.6	301.2	117.5	1.2	0.00	0.00
163	32	AS 3t 5/8"	0.1	-0.7	418.1	3302.0	302.1	171.5	1.4	0.00	0.00
162	42	OL 2t 5/8"	0.1	-0.6	418.7	3301.9	302.2	170.9	2.1	0.00	0.00
161	32	AS 3t 5/8"	0.1	-0.7	419.3	3301.8	302.3	170.3	1.4	0.00	0.00
160	92	Swivel	0.2	-2.0	420.0	3301.7	302.4	169.6	2.8	0.00	0.00
159	32	AS 3t 5/8"	0.1	-0.7	422.0	3301.5	302.5	167.6	1.4	0.00	0.00
158	42	OL 2t 5/8"	0.1	-0.6	422.6	3301.5	302.6	167.0	2.1	0.00	0.00
157	31	AS 2t 1/2"	0.1	-0.4	423.2	3301.4	302.7	166.4	2.1	0.00	0.00
156	101	3/16" ins	100.1	-7.7	423.6	3301.3	352.7	166.0	9.1	0.09	0.09
155	333	MC-SM	0.0	-2.8	431.3	3201.2	402.8	158.3	1.6	0.00	0.00
154	101	3/16" ins	195.2	-15.1	434.1	3201.2	500.4	155.5	8.6	0.16	0.08
153	31	AS 2t 1/2"	0.1	-0.4	449.1	3006.1	598.0	140.5	1.8	0.00	0.00
152	42	OL 2t 5/8"	0.1	-0.6	449.5	3006.0	598.0	140.1	1.8	0.00	0.00
151	32	AS 3t 5/8"	0.1	-0.7	450.1	3005.9	598.1	139.5	1.2	0.00	0.00
150	369	Acoustic Recorder	2.2	-15.0	450.7	3005.8	599.3	138.9	1.4	0.00	0.00
149	42	OL 2t 5/8"	0.1	-0.6	465.7	3003.6	600.4	123.9	1.5	0.00	0.00
148	31	AS 2t 1/2"	0.1	-0.4	466.3	3003.5	600.5	123.3	1.5	0.00	0.00
147	294	H17-4 serial	2.7	90.0	466.7	3003.5	601.9	122.9	1.2	0.00	0.00
146	31	AS 2t 1/2"	0.1	-0.4	376.7	3000.8	603.3	212.9	2.7	0.00	0.00
145	294	H17-4 serial	2.7	90.0	377.0	3000.7	604.6	212.6	2.1	0.00	0.00
144	31	AS 2t 1/2"	0.1	-0.4	287.0	2998.0	606.0	302.6	3.8	0.00	0.00
143	42	OL 2t 5/8"	0.1	-0.6	287.4	2998.0	606.1	302.2	3.8	0.00	0.00
142	31	AS 2t 1/2"	0.1	-0.4	288.0	2997.9	606.2	301.6	3.8	0.00	0.00
141	101	3/16" ins	10.0	-0.8	288.3	2997.8	611.2	301.3	16.6	0.02	0.17
140	347	Aquadopp DW	0.0	-6.0	289.1	2987.8	616.2	300.5	3.0	0.00	0.00
139	101	3/16" ins	139.2	-10.7	295.1	2987.8	685.8	294.5	16.2	0.22	0.16
138	333	MC-SM	0.0	-2.8	305.8	2848.6	755.4	283.8	2.8	0.00	0.00
137	101	3/16" ins	350.5	-27.0	308.6	2848.6	930.7	281.0	15.5	0.51	0.15
136	334	MCP-SM	0.0	-2.8	335.7	2498.1	1105.9	253.9	2.5	0.00	0.00
135	101	3/16" ins	91.1	-7.0	338.5	2498.1	1151.5	251.1	13.8	0.12	0.14
134	31	AS 2t 1/2"	0.1	-0.4	345.5	2406.9	1197.1	244.1	3.1	0.00	0.00
133	42	OL 2t 5/8"	0.1	-0.6	345.8	2406.9	1197.2	243.8	3.0	0.00	0.00
132	31	AS 2t 1/2"	0.1	-0.4	346.4	2406.8	1197.3	243.2	3.0	0.00	0.00
131	294	H17-4 serial	2.7	90.0	346.8	2406.7	1198.6	242.8	2.4	0.00	0.00
130	31	AS 2t 1/2"	0.1	-0.4	256.8	2404.0	1200.0	332.8	4.2	0.00	0.00
129	291	H17-1 serial	0.6	22.0	257.1	2404.0	1200.3	332.5	3.3	0.00	0.00
128	31	AS 2t 1/2"	0.1	-0.4	235.1	2403.4	1200.6	354.5	4.4	0.00	0.00
127	291	H17-1 serial	0.6	22.0	235.5	2403.3	1200.9	354.1	3.5	0.00	0.00

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

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**No Current Static Solution – Parameter, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Backup B. [kg]	Height [m]	Design Dpt [m]	Tension [kg]	Tension [%]	Stretch [m]	Stretch [%]
126	31	AS 2t 1/2"	0.1	-0.4	213.5	2402.8	1201.3	376.1	4.7	0.00	0.00
125	42	OL 2t 5/8"	0.1	-0.6	213.9	2402.7	1201.3	375.7	4.7	0.00	0.00
124	31	AS 2t 1/2"	0.1	-0.4	214.4	2402.6	1201.4	375.2	4.7	0.00	0.00
123	102	1/4" ins	100.1	-14.1	214.8	2402.6	1251.5	374.8	12.4	0.12	0.12
122	31	AS 2t 1/2"	0.1	-0.4	228.9	2302.4	1301.6	360.7	4.5	0.00	0.00
121	42	OL 2t 5/8"	0.1	-0.6	229.3	2302.4	1301.7	360.3	4.5	0.00	0.00
120	32	AS 3t 5/8"	0.1	-0.7	229.8	2302.3	1301.8	359.8	3.0	0.00	0.00
119	92	Swivel	0.2	-2.0	230.5	2302.2	1301.9	359.1	6.0	0.00	0.00
118	32	AS 3t 5/8"	0.1	-0.7	232.5	2302.0	1302.0	357.1	3.0	0.00	0.00
117	42	OL 2t 5/8"	0.1	-0.6	233.2	2302.0	1302.1	356.4	4.5	0.00	0.00
116	32	AS 3t 5/8"	0.1	-0.7	233.8	2301.9	1302.2	355.9	3.0	0.00	0.00
115	390	TRAP Bremen	2.7	-50.0	234.4	2301.8	1303.6	355.2	5.9	0.00	0.00
114	32	AS 3t 5/8"	0.1	-0.7	284.4	2299.1	1304.9	305.2	2.5	0.00	0.00
113	42	OL 2t 5/8"	0.1	-0.6	285.1	2299.0	1305.0	304.5	3.8	0.00	0.00
112	32	AS 3t 5/8"	0.1	-0.7	285.7	2298.9	1305.1	304.0	2.5	0.00	0.00
111	92	Swivel	0.2	-2.0	286.3	2298.9	1305.2	303.3	5.1	0.00	0.00
110	32	AS 3t 5/8"	0.1	-0.7	288.3	2298.7	1305.3	301.3	2.5	0.00	0.00
109	42	OL 2t 5/8"	0.1	-0.6	289.0	2298.6	1305.4	300.6	3.8	0.00	0.00
108	31	AS 2t 1/2"	0.1	-0.4	289.6	2298.5	1305.5	300.1	3.8	0.00	0.00
107	102	1/4" ins	10.0	-1.4	289.9	2298.5	1310.5	299.7	9.9	0.01	0.10
106	347	Aquadopp DW	0.0	-6.0	291.3	2288.4	1315.6	298.3	3.0	0.00	0.00
105	102	1/4" ins	90.1	-12.7	297.3	2288.4	1360.6	292.3	9.7	0.09	0.10
104	31	AS 2t 1/2"	0.1	-0.4	310.0	2198.4	1405.7	279.6	3.5	0.00	0.00
103	42	OL 2t 5/8"	0.1	-0.6	310.4	2198.3	1405.7	279.2	3.5	0.00	0.00
102	31	AS 2t 1/2"	0.1	-0.4	311.0	2198.2	1405.8	278.7	3.5	0.00	0.00
101	294	H17-4 serial	2.7	90.0	311.3	2198.1	1407.2	278.3	2.8	0.00	0.00
100	31	AS 2t 1/2"	0.1	-0.4	221.3	2195.4	1408.6	368.3	4.6	0.00	0.00
99	291	H17-1 serial	0.6	22.0	221.7	2195.4	1408.9	367.9	3.7	0.00	0.00
98	31	AS 2t 1/2"	0.1	-0.4	199.7	2194.8	1409.2	389.9	4.9	0.00	0.00
97	291	H17-1 serial	0.6	22.0	200.0	2194.8	1409.5	389.6	3.9	0.00	0.00
96	31	AS 2t 1/2"	0.1	-0.4	178.0	2194.2	1409.8	411.6	5.1	0.00	0.00
95	42	OL 2t 5/8"	0.1	-0.6	178.4	2194.2	1409.9	411.2	5.1	0.00	0.00
94	31	AS 2t 1/2"	0.1	-0.4	179.0	2194.0	1410.0	410.6	5.1	0.00	0.00
93	101	3/16" ins	195.4	-15.1	179.3	2194.0	1507.7	410.3	22.6	0.43	0.22
92	334	MCP-SM	0.0	-2.8	194.4	1998.6	1605.4	395.2	4.0	0.00	0.00
91	101	3/16" ins	686.4	-52.9	197.2	1998.6	1948.6	392.4	21.6	1.38	0.20
90	31	AS 2t 1/2"	0.0	-0.4	250.1	1312.2	2291.8	339.5	4.2	0.00	0.00
89	42	OL 2t 5/8"	0.1	-0.6	250.4	1312.1	2291.9	339.2	4.2	0.00	0.00
88	31	AS 2t 1/2"	0.0	-0.4	251.0	1312.0	2292.0	338.6	4.2	0.00	0.00
87	294	H17-4 serial	2.7	90.0	251.4	1312.0	2293.4	338.2	3.4	0.00	0.00
86	31	AS 2t 1/2"	0.0	-0.4	161.4	1309.3	2294.8	428.2	5.4	0.00	0.00
85	42	OL 2t 5/8"	0.1	-0.6	161.7	1309.2	2294.8	427.9	5.3	0.00	0.00
84	31	AS 2t 1/2"	0.0	-0.4	162.3	1309.1	2294.9	427.3	5.3	0.00	0.00
83	102	1/4" ins	600.8	-84.6	162.7	1309.0	2595.3	426.9	14.1	0.78	0.13
82	31	AS 2t 1/2"	0.0	-0.4	247.3	708.3	2895.8	342.3	4.3	0.00	0.00
81	42	OL 2t 5/8"	0.1	-0.6	247.6	708.2	2895.8	342.0	4.3	0.00	0.00
80	31	AS 2t 1/2"	0.0	-0.4	248.2	708.1	2895.9	341.4	4.3	0.00	0.00
79	294	H17-4 serial	2.7	90.0	248.6	708.0	2897.3	341.0	3.4	0.00	0.00
78	31	AS 2t 1/2"	0.0	-0.4	158.6	705.3	2898.7	431.0	5.4	0.00	0.00
77	291	H17-1 serial	0.6	22.0	158.9	705.3	2899.0	430.7	4.3	0.00	0.00
76	31	AS 2t 1/2"	0.0	-0.4	136.9	704.7	2899.3	452.7	5.7	0.00	0.00
75	291	H17-1 serial	0.6	22.0	137.3	704.7	2899.6	452.3	4.5	0.00	0.00
74	31	AS 2t 1/2"	0.0	-0.4	115.3	704.1	2899.9	474.3	5.9	0.00	0.00
73	42	OL 2t 5/8"	0.1	-0.6	115.7	704.1	2900.0	474.0	5.9	0.00	0.00
72	31	AS 2t 1/2"	0.0	-0.4	116.2	703.9	2900.1	473.4	5.9	0.00	0.00
71	102	1/4" ins	100.2	-14.1	116.6	703.9	2950.2	473.0	15.7	0.16	0.16

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

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**No Current Static Solution – Parameter, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Backup B. [kg]	Height [m]	Design Dpt [m]	Tension [kg]	Tension [%]	Stretch [m]	Stretch [%]
70	31	AS 2t 1/2"	0.0	-0.4	130.7	603.7	3000.3	458.9	5.7	0.00	0.00
69	42	OL 2t 5/8"	0.1	-0.6	131.1	603.7	3000.4	458.6	5.7	0.00	0.00
68	32	AS 3t 5/8"	0.1	-0.7	131.6	603.6	3000.5	458.0	3.8	0.00	0.00
67	92	Swivel	0.2	-2.0	132.3	603.5	3000.6	457.3	7.6	0.00	0.00
66	32	AS 3t 5/8"	0.1	-0.7	134.3	603.3	3000.7	455.3	3.8	0.00	0.00
65	42	OL 2t 5/8"	0.1	-0.6	135.0	603.3	3000.8	454.7	5.7	0.00	0.00
64	32	AS 3t 5/8"	0.1	-0.7	135.5	603.2	3000.9	454.1	3.8	0.00	0.00
63	390	TRAP Bremen	2.7	-50.0	136.2	603.1	3002.3	453.4	7.6	0.00	0.00
62	32	AS 3t 5/8"	0.1	-0.7	186.2	600.4	3003.6	403.4	3.4	0.00	0.00
61	42	OL 2t 5/8"	0.1	-0.6	186.9	600.3	3003.7	402.8	5.0	0.00	0.00
60	32	AS 3t 5/8"	0.1	-0.7	187.4	600.2	3003.8	402.2	3.4	0.00	0.00
59	92	Swivel	0.2	-2.0	188.1	600.2	3003.9	401.5	6.7	0.00	0.00
58	32	AS 3t 5/8"	0.1	-0.7	190.1	600.0	3004.0	399.5	3.3	0.00	0.00
57	42	OL 2t 5/8"	0.1	-0.6	190.8	599.9	3004.1	398.9	5.0	0.00	0.00
56	31	AS 2t 1/2"	0.0	-0.4	191.3	599.8	3004.2	398.3	5.0	0.00	0.00
55	102	1/4" ins	10.0	-1.4	191.7	599.8	3009.2	397.9	13.2	0.01	0.13
54	347	Aquadopp DW	0.0	-6.0	193.1	589.7	3014.3	396.5	4.0	0.00	0.00
53	102	1/4" ins	90.1	-12.7	199.1	589.7	3059.3	390.5	12.9	0.12	0.13
52	31	AS 2t 1/2"	0.1	-0.4	211.8	499.6	3104.4	377.8	4.7	0.00	0.00
51	42	OL 2t 5/8"	0.1	-0.6	212.2	499.6	3104.5	377.5	4.7	0.00	0.00
50	31	AS 2t 1/2"	0.1	-0.4	212.7	499.5	3104.6	376.9	4.7	0.00	0.00
49	294	H17-4 serial	2.7	90.0	213.1	499.4	3105.9	376.5	3.8	0.00	0.00
48	31	AS 2t 1/2"	0.1	-0.4	123.1	496.7	3107.3	466.5	5.8	0.00	0.00
47	291	H17-1 serial	0.6	22.0	123.5	496.7	3107.6	466.2	4.7	0.00	0.00
46	31	AS 2t 1/2"	0.1	-0.4	101.5	496.1	3107.9	488.2	6.1	0.00	0.00
45	291	H17-1 serial	0.6	22.0	101.8	496.0	3108.2	487.8	4.9	0.00	0.00
44	31	AS 2t 1/2"	0.1	-0.4	79.8	495.5	3108.6	509.8	6.4	0.00	0.00
43	42	OL 2t 5/8"	0.1	-0.6	80.2	495.4	3108.6	509.4	6.4	0.00	0.00
42	31	AS 2t 1/2"	0.1	-0.4	80.8	495.3	3108.7	508.9	6.4	0.00	0.00
41	102	1/4" ins	340.6	-47.9	81.1	495.3	3279.0	508.5	16.8	0.56	0.16
40	31	AS 2t 1/2"	0.1	-0.4	129.1	154.7	3449.3	460.6	5.8	0.00	0.00
39	42	OL 2t 5/8"	0.1	-0.6	129.4	154.6	3449.4	460.2	5.8	0.00	0.00
38	31	AS 2t 1/2"	0.1	-0.4	130.0	154.5	3449.5	459.6	5.7	0.00	0.00
37	294	H17-4 serial	2.7	90.0	130.4	154.5	3450.9	459.3	4.6	0.00	0.00
36	31	AS 2t 1/2"	0.1	-0.4	40.4	151.8	3452.2	549.3	6.9	0.00	0.00
35	42	OL 2t 5/8"	0.1	-0.6	40.7	151.7	3452.3	548.9	6.9	0.00	0.00
34	31	AS 2t 1/2"	0.1	-0.4	41.3	151.6	3452.4	548.3	6.9	0.00	0.00
33	102	1/4" ins	95.2	-13.4	41.7	151.6	3500.0	548.0	18.2	0.17	0.18
32	334	MCP-SM	0.0	-2.8	55.1	56.4	3547.6	534.6	5.3	0.00	0.00
31	102	1/4" ins	5.0	-0.7	57.9	56.4	3550.1	531.8	17.6	0.01	0.18
30	31	AS 2t 1/2"	0.0	-0.4	58.6	51.4	3552.6	531.1	6.6	0.00	0.00
29	42	OL 2t 5/8"	0.1	-0.6	58.9	51.3	3552.7	530.7	6.6	0.00	0.00
28	31	AS 2t 1/2"	0.0	-0.4	59.5	51.2	3552.8	530.1	6.6	0.00	0.00
27	294	H17-4 serial	2.7	90.0	59.9	51.2	3554.2	529.8	5.3	0.00	0.00
26	31	AS 2t 1/2"	0.0	-0.4	-30.1	48.5	3555.6	619.8	7.7	0.00	0.00
25	291	H17-1 serial	0.6	22.0	-29.8	48.4	3555.9	619.4	6.2	0.00	0.00
24	31	AS 2t 1/2"	0.0	-0.4	-51.8	47.8	3556.2	641.4	8.0	0.00	0.00
23	291	H17-1 serial	0.6	22.0	-51.4	47.8	3556.5	641.0	6.4	0.00	0.00
22	31	AS 2t 1/2"	0.0	-0.4	-73.4	47.2	3556.8	663.0	8.3	0.00	0.00
21	42	OL 2t 5/8"	0.1	-0.6	-73.1	47.2	3556.9	662.7	8.3	0.00	0.00
20	31	AS 2t 1/2"	0.0	-0.4	-72.5	47.1	3557.0	662.1	8.3	0.00	0.00
19	102	1/4" ins	20.0	-2.8	-72.1	47.0	3567.0	661.7	21.9	0.04	0.22
18	31	AS 2t 1/2"	0.1	-0.4	-69.3	27.0	3577.1	658.9	8.2	0.00	0.00
17	42	OL 2t 5/8"	0.1	-0.6	-68.9	26.9	3577.1	658.6	8.2	0.00	0.00
16	32	AS 3t 5/8"	0.1	-0.7	-68.4	26.8	3577.2	658.0	5.5	0.00	0.00
15	92	Swivel	0.2	-2.0	-67.7	26.7	3577.3	657.3	11.0	0.00	0.00

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

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**No Current Static Solution – Parameter, cont.**

#	ID	Moorings Element	Length [m]	Buoy [kg]	Backup B. [kg]	Height [m]	Design Dpt [m]	Tension [kg]	Tension [%]	Stretch [m]	Stretch [%]
14	32	AS 3t 5/8"	0.1	-0.7	-65.7	26.6	3577.5	655.3	5.5	0.00	0.00
13	42	OL 2t 5/8"	0.1	-0.6	-65.0	26.5	3577.5	654.6	8.2	0.00	0.00
12	32	AS 3t 5/8"	0.1	-0.7	-64.5	26.4	3577.6	654.1	5.5	0.00	0.00
11	472	Dual AR Oceano	1.0	-57.0	-63.8	26.3	3578.2	653.4	6.5	0.00	0.00
10	480	1/2" dropchain	0.6	-6.8	-6.8	25.3	3579.0	596.4	3.7	0.00	0.00
9	44	OL 4t 7/8"	0.2	-1.5	NaN	24.7	3579.4	589.6	3.7	0.00	0.00
8	31	AS 2t 1/2"	0.1	-0.4	NaN	24.6	3579.5	588.2	7.4	0.00	0.00
7	102	1/4" ins	20.0	-2.8	NaN	24.5	3589.5	587.8	19.5	0.04	0.20
6	31	AS 2t 1/2"	0.0	-0.4	NaN	4.5	3599.5	585.0	7.3	0.00	0.00
5	42	OL 2t 5/8"	0.1	-0.6	NaN	4.4	3599.6	584.6	7.3	0.00	0.00
4	31	AS 2t 1/2"	0.0	-0.4	NaN	4.3	3599.7	584.0	7.3	0.00	0.00
3	151	chain-13	2.7	-6.8	NaN	4.3	3601.1	583.7	5.8	0.00	0.00
2	32	AS 3t 5/8"	0.1	-0.7	NaN	1.6	3602.5	576.8	4.8	0.00	0.00
1	520	Anchor	1.5	-1090.8	NaN	1.5	3604.0	576.2	9.6	0.00	0.00
-----											
Max. 22.6% Static Tension at:											
93	101	3/16" ins	195.4	-15.1	179.3	2194.0	1507.7	410.3	22.6	0.43	0.22
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Vertical anchor load :			576 kg								
Wet Clump Anchor weight :			1091 kg								
Safe Clump Anchor weight :			864 kg								

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

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**Steady State Launch Tension – Parameter: descent at 0.92 m/s, 1.8 kn**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Diameter [m]	Area [m^2]	Ct	Drag [kg]	LaunchTension [kg]	[%]
241	393	Develogic Iridiu	1.0	30.0	1.000	0.785	1.30	45.40	75.4	1.3
239	120	6mm ins telemetr	1.0	-0.0	0.006	0.019	0.07	0.06	75.4	7.9
238	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	78.7	1.3
237	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	81.9	1.4
236	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	85.2	1.4
235	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	88.4	1.5
234	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	91.7	1.5
233	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	95.0	1.6
232	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	98.2	1.6
231	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	101.5	1.7
230	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	104.7	1.7
229	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	108.0	1.8
228	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	111.3	1.9
227	244	Sphere 8" 3.2Kg	0.0	3.2	0.200	0.031	0.04	0.06	114.5	1.9
226	120	6mm ins telemetr	10.0	-0.5	0.006	0.188	0.07	0.60	114.6	12.1
225	336	MC-IM	0.0	-2.8	0.075	0.004	1.00	0.20	112.0	1.1
224	120	6mm ins telemetr	15.0	-0.7	0.006	0.283	0.07	0.90	112.2	11.8
223	337	MCP-IM	0.0	-2.8	0.075	0.004	1.00	0.20	109.6	1.1
222	120	6mm ins telemetr	4.0	-0.2	0.006	0.075	0.07	0.24	109.6	11.5
220	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	109.4	1.4
219	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	108.9	1.4
218	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	108.5	0.9
217	97	EL. Swivel	0.2	-5.2	0.087	0.006	1.20	0.32	103.6	1.7
216	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	103.1	0.9
215	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	102.7	1.3
214	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	102.5	1.3
212	120	6mm ins telemetr	237.0	-11.8	0.006	4.467	0.05	10.56	101.2	10.7
211	120	6mm ins telemetr	1.0	-0.0	0.006	0.019	0.05	0.04	101.2	10.7
210	245	Sphere 8" 2.5Kg	0.0	2.5	0.200	0.031	0.12	0.17	103.9	1.7
209	245	Sphere 8" 2.5Kg	0.0	2.5	0.200	0.031	0.12	0.17	106.5	1.8
208	245	Sphere 8" 2.5Kg	0.0	2.5	0.200	0.031	0.12	0.17	109.2	1.8
207	245	Sphere 8" 2.5Kg	0.0	2.5	0.200	0.031	0.12	0.17	111.9	1.9
206	120	6mm ins telemetr	2.0	-0.1	0.006	0.038	0.05	0.09	111.9	11.8
205	246	Sphere 11"	0.0	8.4	0.280	0.062	0.17	0.46	120.7	2.0
204	246	Sphere 11"	0.0	8.4	0.280	0.062	0.17	0.46	129.6	2.2
203	246	Sphere 11"	0.0	8.4	0.280	0.062	0.17	0.46	138.4	2.3
202	120	6mm ins telemetr	5.0	-0.2	0.006	0.094	0.05	0.22	138.4	14.6
201	336	MC-IM	0.0	-2.8	0.075	0.004	1.00	0.20	135.8	1.4
200	381	Develogic Seagua	0.0	-8.0	0.150	0.018	1.00	0.79	128.6	1.3
199	120	6mm ins telemetr	5.0	-0.2	0.006	0.094	0.05	0.22	128.6	13.5
198	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	128.3	1.6
197	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	127.9	1.6
196	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	127.4	1.1
195	92	Swivel	0.2	-2.0	0.065	0.003	1.20	0.18	125.6	2.1
194	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	125.2	1.0
193	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	124.7	1.6
192	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	124.3	1.0
191	216	FL32" 1000m ADCP	1.3	110.0	0.810	0.515	0.50	11.46	245.7	2.5
190	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	245.3	2.0
189	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	244.8	3.1
188	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	244.6	3.1
187	101	3/16" ins	20.0	-1.5	0.006	0.399	0.06	1.13	244.2	13.4
186	333	MC-SM	0.0	-2.8	0.075	0.004	1.00	0.20	241.6	2.4
185	101	3/16" ins	20.0	-1.5	0.006	0.399	0.06	1.13	241.2	13.3
184	333	MC-SM	0.0	-2.8	0.075	0.004	1.00	0.20	238.6	2.4
183	101	3/16" ins	29.0	-2.2	0.006	0.579	0.06	1.63	237.9	13.1



**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

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**Steady State Launch Tension – Parameter: descent at 0.92 m/s, 1.8 kn, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Diameter [m]	Area [m^2]	Ct	Drag [kg]	LaunchTension [kg]	[%]
182	333	MC-SM	0.0	-2.8	0.075	0.004	1.00	0.20	235.3	2.4
181	402	O2-logger	0.0	-0.7	0.060	0.003	0.90	0.11	234.8	2.3
180	101	3/16" ins	1.0	-0.1	0.006	0.020	0.06	0.06	234.7	12.9
179	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	234.5	2.9
178	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	234.1	2.9
177	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	233.6	1.9
176	404	SAMI single	1.0	-11.5	0.100	0.008	1.00	0.35	222.5	2.2
175	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	222.0	1.9
174	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	221.6	2.8
173	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	221.3	2.8
172	101	3/16" ins	39.0	-3.0	0.006	0.778	0.06	1.93	220.2	12.1
171	333	MC-SM	0.0	-2.8	0.075	0.004	1.00	0.20	217.6	2.2
170	101	3/16" ins	40.0	-3.1	0.006	0.798	0.06	1.98	216.5	11.9
169	333	MC-SM	0.0	-2.8	0.075	0.004	1.00	0.20	213.9	2.1
168	101	3/16" ins	99.1	-7.6	0.006	1.976	0.06	4.89	211.2	11.6
167	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	211.0	2.6
166	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	210.5	2.6
165	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	210.1	1.8
164	330	Flotec	1.7	54.0	0.600	0.283	0.70	8.80	272.9	2.7
163	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	272.4	2.3
162	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	271.9	3.4
161	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	271.5	2.3
160	92	Swivel	0.2	-2.0	0.065	0.003	1.20	0.18	269.7	4.5
159	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	269.2	2.2
158	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	268.8	3.4
157	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	268.6	3.4
156	101	3/16" ins	100.1	-7.7	0.006	1.996	0.05	4.61	265.5	14.6
155	333	MC-SM	0.0	-2.8	0.075	0.004	1.00	0.20	262.8	2.6
154	101	3/16" ins	195.2	-15.1	0.006	3.892	0.05	9.00	256.8	14.1
153	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	256.6	3.2
152	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	256.1	3.2
151	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	255.7	2.1
150	369	Acoustic Recorder	2.2	-15.0	0.200	0.031	0.90	1.26	241.9	2.4
149	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	241.5	3.0
148	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	241.2	3.0
147	294	H17-4 serial	2.7	90.0	0.500	0.196	1.75	15.28	346.5	3.5
146	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	346.3	4.3
145	294	H17-4 serial	2.7	90.0	0.500	0.196	1.75	15.28	451.6	4.5
144	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	451.4	5.6
143	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	450.9	5.6
142	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	450.7	5.6
141	101	3/16" ins	10.0	-0.8	0.006	0.200	0.05	0.42	450.3	24.8
140	347	Aquadopp DW	0.0	-6.0	0.084	0.006	0.90	0.22	444.6	4.4
139	101	3/16" ins	139.2	-10.7	0.006	2.775	0.05	5.86	439.7	24.2
138	333	MC-SM	0.0	-2.8	0.075	0.004	1.00	0.20	437.1	4.4
137	101	3/16" ins	350.5	-27.0	0.006	6.987	0.05	14.76	424.8	23.4
136	334	MCP-SM	0.0	-2.8	0.075	0.004	1.00	0.20	422.2	4.2
135	101	3/16" ins	91.1	-7.0	0.006	1.817	0.05	3.84	419.0	23.1
134	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	418.8	5.2
133	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	418.4	5.2
132	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	418.1	5.2
131	294	H17-4 serial	2.7	90.0	0.500	0.196	1.80	15.72	523.9	5.2
130	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	523.6	6.5
129	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	549.6	5.5
128	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	549.4	6.9
127	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	575.3	5.8

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

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**Steady State Launch Tension – Parameter: descent at 0.92 m/s, 1.8 kn, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Diameter [m]	Area [m^2]	Ct	Drag [kg]	LaunchTension [kg]	[%]
126	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	575.1	7.2
125	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	574.6	7.2
124	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	574.4	7.2
123	102	1/4" ins	100.1	-14.1	0.008	2.496	0.06	6.69	567.0	18.8
122	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	566.8	7.1
121	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	566.3	7.1
120	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	565.9	4.7
119	92	Swivel	0.2	-2.0	0.065	0.003	1.20	0.18	564.0	9.4
118	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	563.6	4.7
117	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	563.1	7.0
116	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	562.7	4.7
115	390	TRAP Bremen	2.7	-50.0	1.114	0.974	0.07	3.03	515.7	8.6
114	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	515.3	4.3
113	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	514.8	6.4
112	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	514.4	4.3
111	92	Swivel	0.2	-2.0	0.065	0.003	1.20	0.18	512.5	8.5
110	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	512.1	4.3
109	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	511.6	6.4
108	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	511.4	6.4
107	102	1/4" ins	10.0	-1.4	0.008	0.250	0.06	0.67	510.7	16.9
106	347	Aquadopp DW	0.0	-6.0	0.084	0.006	0.90	0.22	504.9	5.0
105	102	1/4" ins	90.1	-12.7	0.008	2.246	0.06	6.02	498.2	16.5
104	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	498.0	6.2
103	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	497.5	6.2
102	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	497.3	6.2
101	294	H17-4 serial	2.7	90.0	0.500	0.196	1.80	15.72	603.0	6.0
100	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	602.8	7.5
99	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	628.8	6.3
98	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	628.5	7.9
97	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	654.5	6.5
96	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	654.2	8.2
95	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	653.8	8.2
94	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	653.6	8.2
93	101	3/16" ins	195.4	-15.1	0.006	3.894	0.05	7.82	646.3	35.6
92	334	MCP-SM	0.0	-2.8	0.075	0.004	1.00	0.20	643.7	6.4
91	101	3/16" ins	686.4	-52.9	0.006	13.679	0.05	27.46	618.3	34.0
90	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	618.1	7.7
89	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	617.6	7.7
88	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	617.4	7.7
87	294	H17-4 serial	2.7	90.0	0.500	0.196	1.90	16.59	724.0	7.2
86	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	723.8	9.0
85	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	723.3	9.0
84	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	723.1	9.0
83	102	1/4" ins	600.8	-84.6	0.008	14.976	0.05	31.57	670.1	22.2
82	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	669.9	8.4
81	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	669.4	8.4
80	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	669.2	8.4
79	294	H17-4 serial	2.7	90.0	0.500	0.196	1.80	15.72	774.9	7.7
78	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	774.7	9.7
77	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	800.6	8.0
76	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	800.4	10.0
75	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	826.3	8.3
74	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	826.1	10.3
73	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	825.6	10.3
72	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	825.4	10.3
71	102	1/4" ins	100.2	-14.1	0.008	2.496	0.06	6.69	818.0	27.1

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)

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**Steady State Launch Tension – Parameter: descent at 0.92 m/s, 1.8 kn, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Diameter [m]	Area [m^2]	Ct	Drag [kg]	LaunchTension [kg]	[%]
70	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	817.8	10.2
69	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	817.3	10.2
68	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	816.9	6.8
67	92	Swivel	0.2	-2.0	0.065	0.003	1.20	0.18	815.1	13.6
66	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	814.6	6.8
65	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	814.2	10.2
64	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	813.7	6.8
63	390	TRAP Bremen	2.7	-50.0	1.114	0.974	0.07	3.03	766.7	12.8
62	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	766.3	6.4
61	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	765.8	9.6
60	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	765.4	6.4
59	92	Swivel	0.2	-2.0	0.065	0.003	1.20	0.18	763.6	12.7
58	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	763.1	6.4
57	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	762.7	9.5
56	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	762.4	9.5
55	102	1/4" ins	10.0	-1.4	0.008	0.250	0.06	0.67	761.7	25.2
54	347	Aquadopp DW	0.0	-6.0	0.084	0.006	0.90	0.22	755.9	7.6
53	102	1/4" ins	90.1	-12.7	0.008	2.246	0.06	6.02	749.3	24.8
52	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	749.0	9.4
51	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	748.6	9.4
50	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	748.4	9.4
49	294	H17-4 serial	2.7	90.0	0.500	0.196	1.80	15.72	854.1	8.5
48	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	853.9	10.7
47	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	879.8	8.8
46	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	879.6	11.0
45	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	905.5	9.1
44	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	905.3	11.3
43	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	904.8	11.3
42	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	904.6	11.3
41	102	1/4" ins	340.6	-47.9	0.008	8.488	0.05	19.26	875.9	29.0
40	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	875.7	10.9
39	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	875.3	10.9
38	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	875.0	10.9
37	294	H17-4 serial	2.7	90.0	0.500	0.196	1.90	16.59	981.6	9.8
36	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	981.4	12.3
35	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	980.9	12.3
34	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	980.7	12.3
33	102	1/4" ins	95.2	-13.4	0.008	2.372	0.06	6.36	973.7	32.3
32	334	MCP-SM	0.0	-2.8	0.075	0.004	1.00	0.20	971.1	9.7
31	102	1/4" ins	5.0	-0.7	0.008	0.125	0.06	0.33	970.7	32.2
30	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	970.5	12.1
29	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	970.0	12.1
28	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	969.8	12.1
27	294	H17-4 serial	2.7	90.0	0.500	0.196	1.80	15.72	1075.5	10.8
26	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	1075.3	13.4
25	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	1101.2	11.0
24	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	1101.0	13.8
23	291	H17-1 serial	0.6	22.0	0.500	0.196	0.45	3.93	1127.0	11.3
22	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	1126.7	14.1
21	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	1126.3	14.1
20	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	1126.1	14.1
19	102	1/4" ins	20.0	-2.8	0.008	0.499	0.08	1.70	1124.9	37.3
18	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	1124.7	14.1
17	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	1124.3	14.1
16	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	1123.8	9.4
15	92	Swivel	0.2	-2.0	0.065	0.003	1.20	0.18	1122.0	18.7

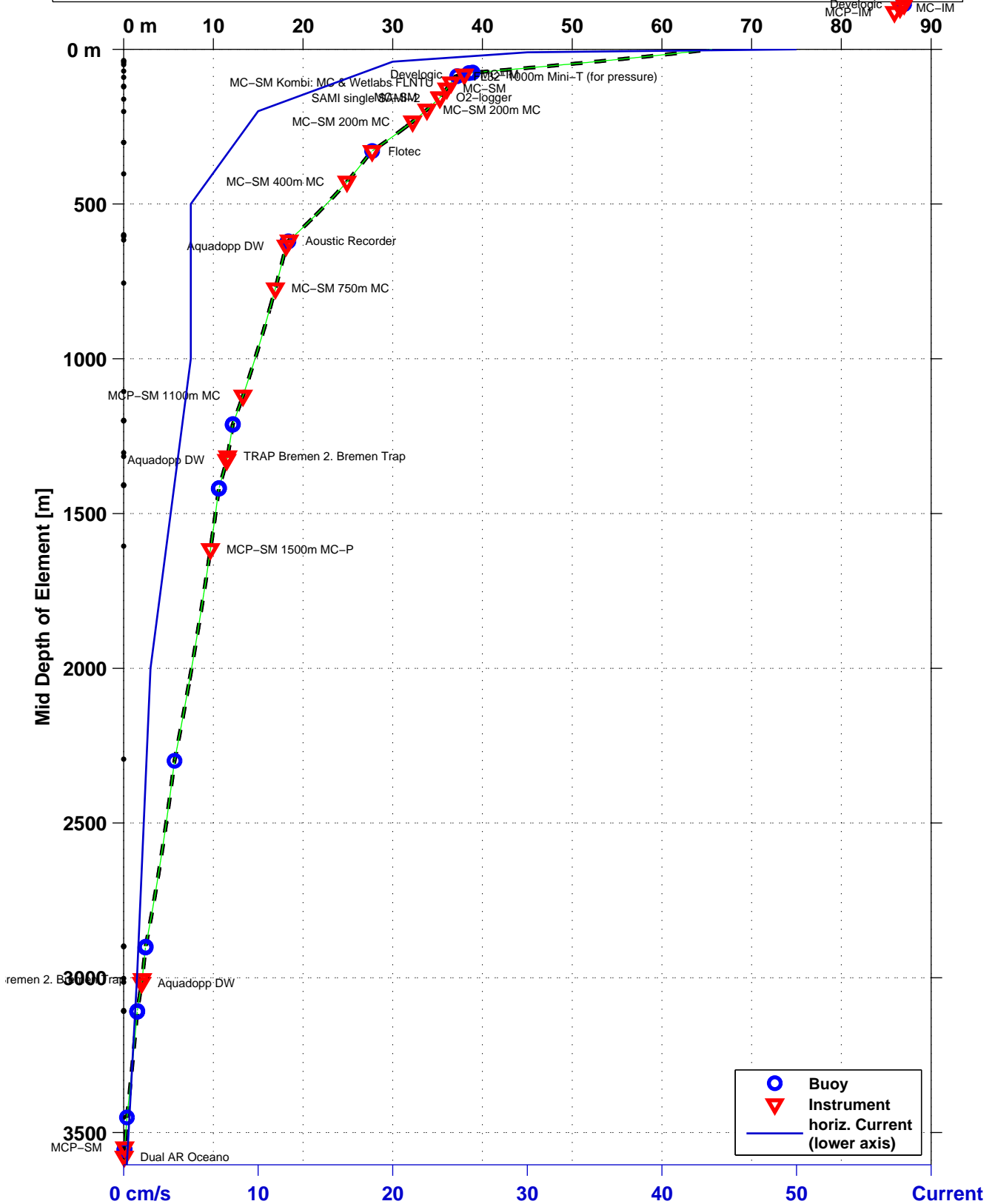
<b>V440-06/KPO XXXX/CV</b> <b>Deployment: Meteor 106 – Spring 2014</b>
<b>Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440_06_cb.cfg</b> <b>Author: 19-Feb-2014 11:06:11, begler@kim(GLNX86)</b>
<b>Steady State Launch Tension – Parameter: descent at 0.92 m/s, 1.8 kn, cont.</b>

#	ID	Mooring Element	Length [m]	Buoy [kg]	Diameter [m]	Area [m^2]	Ct	Drag [kg]	LaunchTension [kg]	LaunchTension [%]
14	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	1121.5	9.3
13	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	1121.1	14.0
12	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	1120.6	9.3
11	472	Dual AR Oceano	1.0	-57.0	0.244	0.047	0.90	1.88	1065.5	10.7
10	480	1/2" dropchain	0.6	-6.8	0.040	0.001	1.00	0.06	1058.8	6.6
9	44	OL 4t 7/8"	0.2	-1.5	0.066	0.003	1.50	0.23	1057.6	6.6
8	31	AS 2t 1/2"	0.1	-0.4	0.052	0.002	1.50	0.14	1057.3	13.2
7	102	1/4" ins	20.0	-2.8	0.008	0.499	0.08	1.70	1056.2	35.0
6	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	1056.0	13.2
5	42	OL 2t 5/8"	0.1	-0.6	0.048	0.002	1.50	0.12	1055.5	13.2
4	31	AS 2t 1/2"	0.0	-0.4	0.052	0.002	1.50	0.14	1055.3	13.2
3	151	chain-13	2.7	-6.8	0.020	0.170	0.11	0.80	1049.3	10.5
2	32	AS 3t 5/8"	0.1	-0.7	0.064	0.003	1.50	0.21	1048.8	8.7
1	520	Anchor	1.5	-1090.8	1.000	0.785	1.20	41.91	0.0	0.0
-----										
Max. 37.3% Launch Tension at:										
19	102	1/4" ins	20.0	-2.8	0.008	0.499	0.08	1.70	1124.9	37.3
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Mass dry / wet w/o Anchor: 2085 kg, -576 kg										
Drag / Friction w/o Anchor: 472.7 kg, 556.9 kg/[m/s]^2										
Dry/Wet Clump Anchor weight: 1250 kg, 1091 kg										
Steady State AnchorSpeed : 0.92 m/s, 1.8 kn										

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:08, begler@kim(GLNX86)

**Event #001 – Subduction [m]: max. 39m, Top at -146m**

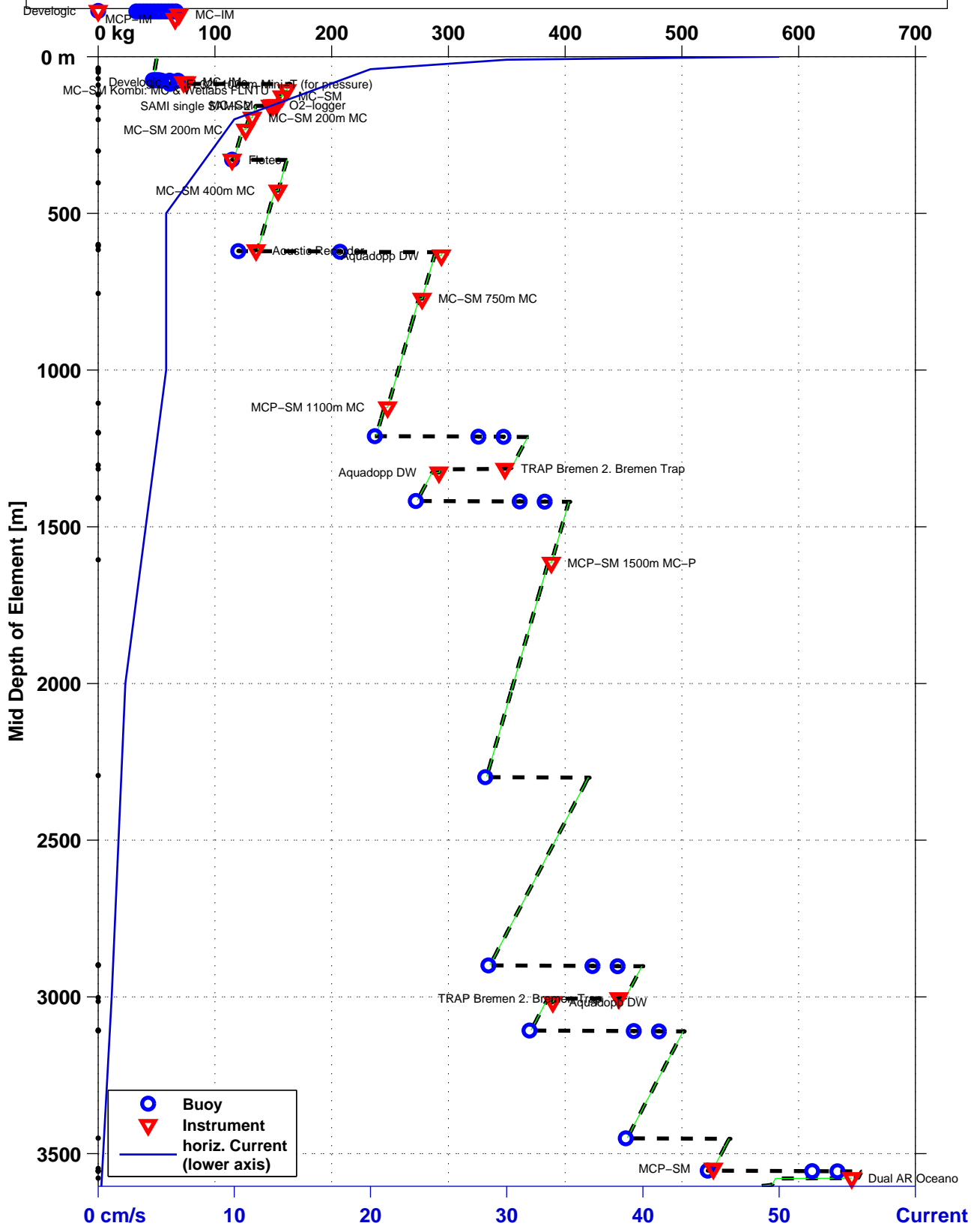


**Event #001: Vert / Horiz anchor load: 567 kg / 39 kg**  
**Vert / Horiz anchor safety: 150 % / 150 %,**  
**Safe Wet Clump anchor weight: 864 kg, (max. 500 kg or Horiz. safety)**  
**Wet / Dry Clump anchor weight: 1091 kg / 1250 kg**

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:08, begler@kim(GLNX86)

**Event #001 – Tension [kg]**



**Event #001: Vert / Horiz anchor load: 567 kg / 39 kg**  
**Vert / Horiz anchor safety: 150 % / 150 %,**  
**Safe Wet Clump anchor weight: 864 kg, (max. 500 kg or Horiz. safety)**  
**Wet / Dry Clump anchor weight: 1091 kg / 1250 kg**

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Result**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Area [m^2]	Cd	Current [m/s]	Drag [kg]	Tension [kg]	[%]	Stretch [m]	[%]	Depth [m]	dZ [m]	dXY [m]	Tilt [deg]
241	393	Develogic Iridiu	1.0	30.0	0.785	1.30	0.50	13.3	0.0	0.0	0.00	0.00	-146.3	87.0	619.7	24.0
239	120	6mm ins telemetr	1.0	-0.0	0.006	1.50	0.50	0.1	32.8	3.5	0.00	0.00	-144.9	86.9	619.3	24.0
238	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	32.8	0.5	0.00	0.00	-144.5	86.8	618.9	24.2
237	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.3	35.8	0.6	0.00	0.00	-144.5	86.8	618.9	22.5
236	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.3	38.8	0.6	0.00	0.00	-144.5	86.8	618.9	21.0
235	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	41.9	0.7	0.00	0.00	-144.5	86.8	618.9	19.8
234	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	44.9	0.7	0.00	0.00	-144.5	86.8	618.9	18.7
233	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	48.0	0.8	0.00	0.00	-144.5	86.8	618.9	17.8
232	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	51.1	0.9	0.00	0.00	-144.5	86.8	618.9	17.0
231	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	54.2	0.9	0.00	0.00	-144.5	86.8	618.9	16.3
230	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	57.3	1.0	0.00	0.00	-144.5	86.8	618.9	15.6
229	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	60.4	1.0	0.00	0.00	-144.5	86.8	618.9	15.0
228	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	63.5	1.1	0.00	0.00	-144.5	86.8	618.9	14.5
227	244	Sphere 8" 3.2Kg	0.0	3.2	0.032	0.50	0.50	0.2	66.7	1.1	0.00	0.00	-144.5	86.8	618.9	14.0
226	120	6mm ins telemetr	10.0	-0.5	0.060	1.50	0.50	1.1	69.8	7.3	0.00	0.00	-144.0	86.8	618.9	14.5
225	336	MC-IM	0.0	-2.8	0.042	1.40	0.50	0.7	69.3	0.7	0.00	0.00	-134.8	86.5	616.5	14.6
224	120	6mm ins telemetr	15.0	-0.7	0.090	1.50	0.50	1.6	66.6	7.0	0.00	0.00	-134.3	86.5	616.5	17.3
223	337	MCP-IM	0.0	-2.8	0.042	1.40	0.50	0.7	65.9	0.7	0.00	0.00	-120.4	85.9	612.2	17.4
222	120	6mm ins telemetr	4.0	-0.2	0.024	1.50	0.50	0.4	63.3	6.7	0.00	0.00	-119.9	85.9	612.2	19.2
220	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.50	0.1	63.1	0.8	0.00	0.00	-116.6	85.7	610.9	19.3
219	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.50	0.1	62.8	0.8	0.00	0.00	-116.5	85.7	610.9	19.5
218	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.50	0.1	62.3	0.5	0.00	0.00	-116.4	85.7	610.9	19.8
217	97	El. Swivel	0.2	-5.2	0.017	1.20	0.50	0.3	61.7	1.0	0.00	0.00	-116.3	85.7	610.8	20.1
216	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.50	0.1	56.8	0.5	0.00	0.00	-116.2	85.7	610.8	22.2
215	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.50	0.1	56.3	0.7	0.00	0.00	-116.1	85.7	610.7	22.6
214	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.50	0.1	55.7	0.7	0.00	0.00	-116.0	85.7	610.7	23.0
212	120	6mm ins telemetr	237.0	-11.8	1.422	1.50	0.39	11.3	55.4	5.8	0.00	0.00	-115.5	85.6	610.7	44.9
211	120	6mm ins telemetr	1.0	-0.0	0.006	1.50	0.18	0.0	46.9	4.9	0.00	0.00	75.0	39.2	472.4	45.0
210	245	Sphere 8" 2.5Kg	0.0	2.5	0.032	0.50	0.18	0.0	46.8	0.8	0.00	0.00	75.3	38.9	471.7	45.0
209	245	Sphere 8" 2.5Kg	0.0	2.5	0.032	0.50	0.18	0.0	48.6	0.8	0.00	0.00	75.3	38.9	471.7	42.9
208	245	Sphere 8" 2.5Kg	0.0	2.5	0.032	0.50	0.18	0.0	50.5	0.8	0.00	0.00	75.3	38.9	471.7	41.0

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Result, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Area [m^2]	Cd	Current [m/s]	Drag [kg]	Tension [kg]	[%]	Stretch [m]	[%]	Depth [m]	dZ [m]	dXY [m]	Tilt [deg]
207	245	Sphere 8" 2.5Kg	0.0	2.5	0.032	0.50	0.18	0.0	52.5	0.9	0.00	0.00	75.3	38.9	471.7	39.3
206	120	6mm ins telemetr	2.0	-0.1	0.012	1.50	0.18	0.0	54.4	5.7	0.00	0.00	75.8	38.9	471.7	37.7
205	246	Sphere 11"	0.0	8.4	0.061	0.50	0.18	0.1	54.4	0.9	0.00	0.00	76.8	38.5	470.4	37.7
204	246	Sphere 11"	0.0	8.4	0.061	0.50	0.18	0.1	61.2	1.0	0.00	0.00	76.8	38.5	470.4	32.9
203	246	Sphere 11"	0.0	8.4	0.061	0.50	0.18	0.1	68.5	1.1	0.00	0.00	76.8	38.5	470.4	29.2
202	120	6mm ins telemetr	5.0	-0.2	0.030	1.50	0.18	0.1	75.9	8.0	0.00	0.00	77.3	38.5	470.4	26.2
201	336	MC-IM	0.0	-2.8	0.042	1.40	0.17	0.1	75.7	0.8	0.00	0.00	81.3	38.0	468.2	26.2
200	381	Develogic Seagua	0.0	-8.0	0.060	1.40	0.17	0.1	73.2	0.7	0.00	0.00	81.3	38.0	468.2	27.3
199	120	6mm ins telemetr	5.0	-0.2	0.030	1.50	0.17	0.0	66.2	7.0	0.00	0.00	81.8	38.0	468.2	30.7
198	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.17	0.0	66.0	0.8	0.00	0.00	85.7	37.3	465.7	30.7
197	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.17	0.0	65.7	0.8	0.00	0.00	85.7	37.3	465.7	30.9
196	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.17	0.0	65.2	0.5	0.00	0.00	85.8	37.3	465.6	31.2
195	92	Swivel	0.2	-2.0	0.011	1.20	0.17	0.0	64.7	1.1	0.00	0.00	85.9	37.2	465.6	31.5
194	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.17	0.0	63.0	0.5	0.00	0.00	86.0	37.2	465.5	32.4
193	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.17	0.0	62.4	0.8	0.00	0.00	86.1	37.2	465.5	32.8
192	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.17	0.0	61.9	0.5	0.00	0.00	86.2	37.2	465.4	33.1
191	216	FL32" 1000m ADCP	1.3	110.0	0.515	0.50	0.17	0.4	61.4	0.6	0.00	0.00	86.8	37.2	465.4	33.4
190	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.17	0.0	164.8	1.4	0.00	0.00	87.3	37.0	464.7	12.0
189	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.17	0.0	164.2	2.1	0.00	0.00	87.4	37.0	464.6	12.0
188	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.17	0.0	163.6	2.0	0.00	0.00	87.4	37.0	464.6	12.1
187	101	3/16" ins	20.0	-1.5	0.127	1.30	0.16	0.2	163.2	9.0	0.02	0.09	88.0	37.0	464.6	12.3
186	333	MC-SM	0.0	-2.8	0.042	1.40	0.16	0.1	161.7	1.6	0.00	0.00	107.0	36.5	460.4	12.3
185	101	3/16" ins	20.0	-1.5	0.127	1.30	0.15	0.2	159.0	8.8	0.02	0.09	107.5	36.5	460.4	12.7
184	333	MC-SM	0.0	-2.8	0.042	1.40	0.15	0.1	157.5	1.6	0.00	0.00	126.6	36.0	456.0	12.7
183	101	3/16" ins	29.0	-2.2	0.184	1.30	0.14	0.2	154.8	8.5	0.02	0.08	127.1	36.0	456.0	13.3
182	333	MC-SM	0.0	-2.8	0.042	1.40	0.13	0.0	152.6	1.5	0.00	0.00	154.8	35.3	449.4	13.3
181	402	O2-logger	0.0	-0.7	0.030	1.30	0.13	0.0	149.9	1.5	0.00	0.00	154.8	35.3	449.4	13.5
180	101	3/16" ins	1.0	-0.1	0.006	1.30	0.13	0.0	149.2	8.2	0.00	0.08	155.3	35.3	449.4	13.6
179	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.13	0.0	149.1	1.9	0.00	0.00	155.8	35.2	449.2	13.6
178	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.13	0.0	148.8	1.9	0.00	0.00	155.9	35.2	449.2	13.6
177	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.13	0.0	148.2	1.2	0.00	0.00	156.0	35.2	449.1	13.7



**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

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**Event #001 – Simulation Result, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Area [m^2]	Cd	Current [m/s]	Drag [kg]	Tension [kg]	[%]	Stretch [m]	[%]	Depth [m]	dZ [m]	dXY [m]	Tilt [deg]
176	404	SAMI single	1.0	-11.5	0.100	1.40	0.13	0.1	147.6	1.5	0.00	0.00	156.5	35.2	449.1	13.8
175	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.13	0.0	136.4	1.1	0.00	0.00	157.0	35.2	448.9	15.0
174	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.13	0.0	135.8	1.7	0.00	0.00	157.1	35.2	448.9	15.0
173	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.13	0.0	135.2	1.7	0.00	0.00	157.2	35.2	448.8	15.1
172	101	3/16" ins	39.0	-3.0	0.248	1.30	0.12	0.2	134.9	7.4	0.03	0.07	157.7	35.2	448.8	15.6
171	333	MC-SM	0.0	-2.8	0.042	1.40	0.10	0.0	132.0	1.3	0.00	0.00	194.9	33.8	438.5	15.6
170	101	3/16" ins	40.0	-3.1	0.254	1.30	0.10	0.1	129.3	7.1	0.03	0.07	195.4	33.8	438.5	16.4
169	333	MC-SM	0.0	-2.8	0.042	1.40	0.09	0.0	126.3	1.3	0.00	0.00	233.3	32.2	427.3	16.4
168	101	3/16" ins	99.1	-7.6	0.629	1.30	0.09	0.3	123.6	6.8	0.07	0.07	233.8	32.2	427.3	18.0
167	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.08	0.0	116.3	1.5	0.00	0.00	327.9	27.7	397.8	18.0
166	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.08	0.0	116.0	1.5	0.00	0.00	328.0	27.7	397.8	18.0
165	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.08	0.0	115.5	1.0	0.00	0.00	328.0	27.7	397.7	18.1
164	330	Flotec	1.7	54.0	1.002	1.00	0.08	0.3	114.8	1.1	0.00	0.00	328.9	27.7	397.7	18.2
163	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.08	0.0	167.0	1.4	0.00	0.00	329.7	27.6	397.2	12.5
162	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.08	0.0	166.3	2.1	0.00	0.00	329.8	27.6	397.2	12.6
161	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.08	0.0	165.7	1.4	0.00	0.00	329.9	27.6	397.1	12.6
160	92	Swivel	0.2	-2.0	0.011	1.20	0.08	0.0	165.1	2.8	0.00	0.00	330.0	27.6	397.1	12.7
159	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.08	0.0	163.1	1.4	0.00	0.00	330.1	27.6	397.1	12.8
158	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.08	0.0	162.5	2.0	0.00	0.00	330.2	27.6	397.1	12.9
157	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.08	0.0	161.9	2.0	0.00	0.00	330.3	27.6	397.1	12.9
156	101	3/16" ins	100.1	-7.7	0.635	1.30	0.07	0.2	161.6	8.9	0.09	0.09	330.8	27.6	397.0	13.7
155	333	MC-SM	0.0	-2.8	0.042	1.40	0.06	0.0	154.1	1.5	0.00	0.00	427.7	24.9	374.0	13.7
154	101	3/16" ins	195.2	-15.1	1.238	1.30	0.05	0.2	151.4	8.3	0.15	0.08	428.2	24.9	374.0	15.6
153	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.05	0.0	136.8	1.7	0.00	0.00	616.4	18.5	324.4	15.6
152	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.05	0.0	136.5	1.7	0.00	0.00	616.5	18.5	324.3	15.6
151	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.05	0.0	135.9	1.1	0.00	0.00	616.6	18.5	324.3	15.7
150	369	Acoustic Recorder	2.2	-15.0	0.320	1.30	0.05	0.1	135.3	1.4	0.00	0.00	617.7	18.5	324.3	15.7
149	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.05	0.0	120.9	1.5	0.00	0.00	618.8	18.4	323.7	17.7
148	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.05	0.0	120.3	1.5	0.00	0.00	618.9	18.4	323.7	17.8
147	294	H17-4 serial	2.7	90.0	1.000	0.70	0.05	0.1	120.0	1.2	0.00	0.00	620.3	18.4	323.6	17.8
146	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.05	0.0	207.5	2.6	0.00	0.00	621.5	18.2	322.8	10.2

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Result, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Area [m^2]	Cd	Current [m/s]	Drag [kg]	Tension [kg]	Stretch [%]	Depth [m]	dZ [m]	dXY [m]	Tilt [deg]		
145	294	H17-4 serial	2.7	90.0	1.000	0.70	0.05	0.1	207.2	2.1	0.00	0.00	622.9	18.2	322.8	10.2
144	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.05	0.0	296.2	3.7	0.00	0.00	624.2	18.2	322.3	7.2
143	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.05	0.0	295.8	3.7	0.00	0.00	624.3	18.2	322.3	7.2
142	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.05	0.0	295.2	3.7	0.00	0.00	624.4	18.2	322.3	7.2
141	101	3/16" ins	10.0	-0.8	0.063	1.30	0.05	0.0	294.9	16.2	0.02	0.16	624.9	18.2	322.3	7.2
140	347	Aquadopp DW	0.0	-6.0	0.063	1.20	0.05	0.0	294.1	2.9	0.00	0.00	634.3	18.1	321.0	7.2
139	101	3/16" ins	139.2	-10.7	0.883	1.30	0.05	0.1	288.1	15.9	0.22	0.16	634.8	18.1	321.0	7.7
138	333	MC-SM	0.0	-2.8	0.042	1.40	0.05	0.0	277.5	2.8	0.00	0.00	772.3	16.9	302.8	7.7
137	101	3/16" ins	350.5	-27.0	2.222	1.30	0.05	0.4	274.7	15.1	0.50	0.14	772.8	16.9	302.8	8.7
136	334	MCP-SM	0.0	-2.8	0.042	1.40	0.05	0.0	248.0	2.5	0.00	0.00	1119.3	13.3	252.7	8.7
135	101	3/16" ins	91.1	-7.0	0.578	1.30	0.05	0.1	245.2	13.5	0.12	0.13	1119.8	13.3	252.7	9.1
134	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	238.3	3.0	0.00	0.00	1209.3	12.2	238.6	9.1
133	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.04	0.0	237.9	3.0	0.00	0.00	1209.4	12.2	238.6	9.1
132	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	237.4	3.0	0.00	0.00	1209.5	12.2	238.6	9.1
131	294	H17-4 serial	2.7	90.0	1.000	0.70	0.04	0.1	237.0	2.4	0.00	0.00	1210.8	12.2	238.6	9.1
130	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	326.2	4.1	0.00	0.00	1212.2	12.2	238.1	6.6
129	291	H17-1 serial	0.6	22.0	0.250	0.70	0.04	0.0	325.8	3.3	0.00	0.00	1212.5	12.2	238.1	6.6
128	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	347.7	4.3	0.00	0.00	1212.8	12.2	238.1	6.2
127	291	H17-1 serial	0.6	22.0	0.250	0.70	0.04	0.0	347.3	3.5	0.00	0.00	1213.1	12.2	238.1	6.2
126	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	369.2	4.6	0.00	0.00	1213.4	12.2	238.0	5.9
125	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.04	0.0	368.8	4.6	0.00	0.00	1213.5	12.2	238.0	5.9
124	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	368.3	4.6	0.00	0.00	1213.6	12.2	238.0	5.9
123	102	1/4" ins	100.1	-14.1	0.794	1.30	0.04	0.1	367.9	12.2	0.12	0.12	1214.1	12.2	238.0	6.1
122	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	353.9	4.4	0.00	0.00	1313.2	11.6	227.5	6.1
121	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.04	0.0	353.5	4.4	0.00	0.00	1313.3	11.6	227.5	6.1
120	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.04	0.0	352.9	2.9	0.00	0.00	1313.4	11.6	227.5	6.1
119	92	Swivel	0.2	-2.0	0.011	1.20	0.04	0.0	352.3	5.9	0.00	0.00	1313.5	11.6	227.5	6.2
118	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.04	0.0	350.3	2.9	0.00	0.00	1313.6	11.6	227.5	6.2
117	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.04	0.0	349.6	4.4	0.00	0.00	1313.7	11.6	227.5	6.2
116	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.04	0.0	349.1	2.9	0.00	0.00	1313.8	11.6	227.5	6.2
115	390	TRAP Bremen	2.7	-50.0	3.007	1.30	0.04	0.3	348.4	5.8	0.00	0.00	1315.2	11.6	227.4	6.2

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Result, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Area [m^2]	Cd	Current [m/s]	Drag [kg]	Tension [kg]	[%]	Stretch [m]	[%]	Depth [m]	dZ [m]	dXY [m]	Tilt [deg]
114	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.04	0.0	298.8	2.5	0.00	0.00	1316.5	11.6	227.2	7.3
113	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.04	0.0	298.1	3.7	0.00	0.00	1316.6	11.6	227.1	7.3
112	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.04	0.0	297.5	2.5	0.00	0.00	1316.7	11.6	227.1	7.4
111	92	Swivel	0.2	-2.0	0.011	1.20	0.04	0.0	296.9	4.9	0.00	0.00	1316.8	11.6	227.1	7.4
110	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.04	0.0	294.9	2.5	0.00	0.00	1316.9	11.6	227.1	7.4
109	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.04	0.0	294.2	3.7	0.00	0.00	1317.0	11.6	227.1	7.4
108	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	293.7	3.7	0.00	0.00	1317.1	11.6	227.1	7.5
107	102	1/4" ins	10.0	-1.4	0.079	1.30	0.04	0.0	293.3	9.7	0.01	0.10	1317.6	11.6	227.1	7.5
106	347	Aquadopp DW	0.0	-6.0	0.063	1.20	0.04	0.0	291.9	2.9	0.00	0.00	1327.0	11.5	225.8	7.5
105	102	1/4" ins	90.1	-12.7	0.715	1.30	0.04	0.1	286.0	9.5	0.09	0.09	1327.5	11.5	225.8	8.0
104	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	273.4	3.4	0.00	0.00	1416.3	10.6	213.5	8.0
103	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.04	0.0	273.0	3.4	0.00	0.00	1416.4	10.6	213.5	8.0
102	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	272.5	3.4	0.00	0.00	1416.5	10.6	213.4	8.1
101	294	H17-4 serial	2.7	90.0	1.000	0.70	0.04	0.1	272.1	2.7	0.00	0.00	1417.9	10.6	213.4	8.1
100	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	361.4	4.5	0.00	0.00	1419.2	10.6	213.1	6.1
99	291	H17-1 serial	0.6	22.0	0.250	0.70	0.04	0.0	361.1	3.6	0.00	0.00	1419.5	10.6	213.1	6.1
98	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	383.0	4.8	0.00	0.00	1419.8	10.6	213.0	5.7
97	291	H17-1 serial	0.6	22.0	0.250	0.70	0.04	0.0	382.6	3.8	0.00	0.00	1420.1	10.6	213.0	5.7
96	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	404.5	5.1	0.00	0.00	1420.4	10.6	212.9	5.4
95	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.04	0.0	404.1	5.1	0.00	0.00	1420.5	10.6	212.9	5.4
94	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.04	0.0	403.6	5.0	0.00	0.00	1420.6	10.6	212.9	5.4
93	101	3/16" ins	195.4	-15.1	1.238	1.30	0.03	0.1	403.2	22.2	0.42	0.22	1421.1	10.6	212.9	5.7
92	334	MCP-SM	0.0	-2.8	0.042	1.40	0.03	0.0	388.2	3.9	0.00	0.00	1615.1	9.7	194.0	5.7
91	101	3/16" ins	686.4	-52.9	4.350	1.30	0.02	0.2	385.4	21.2	1.35	0.20	1615.6	9.7	194.0	6.7
90	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.02	0.0	332.9	4.2	0.00	0.00	2297.5	5.7	120.3	6.7
89	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.02	0.0	332.5	4.2	0.00	0.00	2297.6	5.7	120.3	6.7
88	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.02	0.0	331.9	4.1	0.00	0.00	2297.7	5.7	120.3	6.7
87	294	H17-4 serial	2.7	90.0	1.000	0.70	0.02	0.0	331.6	3.3	0.00	0.00	2299.1	5.7	120.2	6.7
86	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.02	0.0	421.1	5.3	0.00	0.00	2300.4	5.7	119.9	5.3
85	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.02	0.0	420.7	5.3	0.00	0.00	2300.5	5.7	119.9	5.3
84	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.02	0.0	420.1	5.3	0.00	0.00	2300.6	5.7	119.9	5.3

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Result, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Area [m^2]	Cd	Current [m/s]	Drag [kg]	Tension [kg]	Stretch [%]	Depth [m]	dZ [m]	dXY [m]	Tilt [deg]		
83	102	1/4" ins	600.8	-84.6	4.764	1.30	0.01	0.1	419.8	13.9	0.77	0.13	2301.1	5.7	119.9	6.6
82	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.01	0.0	335.6	4.2	0.00	0.00	2898.2	2.5	58.3	6.6
81	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.01	0.0	335.3	4.2	0.00	0.00	2898.3	2.5	58.3	6.6
80	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.01	0.0	334.7	4.2	0.00	0.00	2898.4	2.5	58.2	6.6
79	294	H17-4 serial	2.7	90.0	1.000	0.70	0.01	0.0	334.3	3.3	0.00	0.00	2899.8	2.5	58.2	6.6
78	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.01	0.0	423.9	5.3	0.00	0.00	2901.1	2.4	57.9	5.2
77	291	H17-1 serial	0.6	22.0	0.250	0.70	0.01	0.0	423.5	4.2	0.00	0.00	2901.4	2.4	57.9	5.2
76	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.01	0.0	445.4	5.6	0.00	0.00	2901.7	2.4	57.9	5.0
75	291	H17-1 serial	0.6	22.0	0.250	0.70	0.01	0.0	445.1	4.5	0.00	0.00	2902.0	2.4	57.9	5.0
74	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.01	0.0	467.0	5.8	0.00	0.00	2902.4	2.4	57.8	4.7
73	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.01	0.0	466.6	5.8	0.00	0.00	2902.4	2.4	57.8	4.8
72	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.01	0.0	466.0	5.8	0.00	0.00	2902.5	2.4	57.8	4.8
71	102	1/4" ins	100.2	-14.1	0.794	1.30	0.01	0.0	465.7	15.4	0.16	0.16	2903.0	2.4	57.8	4.9
70	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.01	0.0	451.6	5.6	0.00	0.00	3002.4	2.1	49.4	4.9
69	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.01	0.0	451.3	5.6	0.00	0.00	3002.4	2.1	49.3	4.9
68	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.01	0.0	450.7	3.8	0.00	0.00	3002.5	2.1	49.3	4.9
67	92	Swivel	0.2	-2.0	0.011	1.20	0.01	0.0	450.0	7.5	0.00	0.00	3002.7	2.1	49.3	4.9
66	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.01	0.0	448.1	3.7	0.00	0.00	3002.8	2.1	49.3	4.9
65	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.01	0.0	447.4	5.6	0.00	0.00	3002.9	2.1	49.3	5.0
64	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.01	0.0	446.8	3.7	0.00	0.00	3002.9	2.1	49.3	5.0
63	390	TRAP Bremen	2.7	-50.0	3.007	1.30	0.01	0.0	446.2	7.4	0.00	0.00	3004.3	2.1	49.3	5.0
62	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.01	0.0	396.4	3.3	0.00	0.00	3005.7	2.1	49.1	5.6
61	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.01	0.0	395.7	4.9	0.00	0.00	3005.8	2.1	49.1	5.6
60	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.01	0.0	395.1	3.3	0.00	0.00	3005.9	2.1	49.0	5.6
59	92	Swivel	0.2	-2.0	0.011	1.20	0.01	0.0	394.5	6.6	0.00	0.00	3006.0	2.1	49.0	5.6
58	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.01	0.0	392.5	3.3	0.00	0.00	3006.1	2.1	49.0	5.7
57	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.01	0.0	391.8	4.9	0.00	0.00	3006.2	2.1	49.0	5.7
56	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.01	0.0	391.3	4.9	0.00	0.00	3006.3	2.1	49.0	5.7
55	102	1/4" ins	10.0	-1.4	0.079	1.30	0.01	0.0	390.9	12.9	0.01	0.13	3006.8	2.1	49.0	5.7
54	347	Aquadopp DW	0.0	-6.0	0.063	1.20	0.01	0.0	389.5	3.9	0.00	0.00	3016.3	2.0	48.0	5.7
53	102	1/4" ins	90.1	-12.7	0.715	1.30	0.01	0.0	383.5	12.7	0.12	0.13	3016.8	2.0	48.0	6.0

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Result, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Area [m^2]	Cd	Current [m/s]	Drag [kg]	Tension [kg]	Stretch [%]	Depth [m]	dZ [m]	dXY [m]	Tilt [deg]		
52	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.01	0.0	370.9	4.6	0.00	0.00	3105.9	1.5	38.8	6.0
51	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.01	0.0	370.5	4.6	0.00	0.00	3106.0	1.5	38.8	6.0
50	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.01	0.0	370.0	4.6	0.00	0.00	3106.1	1.5	38.8	6.0
49	294	H17-4 serial	2.7	90.0	1.000	0.70	0.01	0.0	369.6	3.7	0.00	0.00	3107.5	1.5	38.7	6.0
48	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.01	0.0	459.2	5.7	0.00	0.00	3108.8	1.5	38.5	4.8
47	291	H17-1 serial	0.6	22.0	0.250	0.70	0.01	0.0	458.8	4.6	0.00	0.00	3109.1	1.5	38.5	4.8
46	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.01	0.0	480.8	6.0	0.00	0.00	3109.4	1.5	38.4	4.6
45	291	H17-1 serial	0.6	22.0	0.250	0.70	0.01	0.0	480.4	4.8	0.00	0.00	3109.8	1.5	38.4	4.6
44	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.01	0.0	502.3	6.3	0.00	0.00	3110.1	1.5	38.4	4.4
43	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.01	0.0	502.0	6.3	0.00	0.00	3110.2	1.5	38.4	4.4
42	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.01	0.0	501.4	6.3	0.00	0.00	3110.2	1.5	38.4	4.4
41	102	1/4" ins	340.5	-47.9	2.700	1.30	0.01	0.0	501.0	16.6	0.55	0.16	3110.8	1.5	38.3	4.9
40	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.00	0.0	453.3	5.7	0.00	0.00	3449.7	0.4	10.7	4.9
39	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.00	0.0	452.9	5.7	0.00	0.00	3449.8	0.4	10.7	4.9
38	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.00	0.0	452.3	5.7	0.00	0.00	3449.9	0.4	10.7	4.9
37	294	H17-4 serial	2.7	90.0	1.000	0.70	0.00	0.0	452.0	4.5	0.00	0.00	3451.2	0.4	10.7	4.9
36	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.00	0.0	541.7	6.8	0.00	0.00	3452.6	0.4	10.5	4.1
35	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.00	0.0	541.3	6.8	0.00	0.00	3452.7	0.4	10.5	4.1
34	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.00	0.0	540.8	6.8	0.00	0.00	3452.8	0.4	10.5	4.1
33	102	1/4" ins	95.2	-13.4	0.754	1.30	0.00	0.0	540.4	17.9	0.17	0.18	3453.3	0.4	10.5	4.2
32	334	MCP-SM	0.0	-2.8	0.042	1.40	0.00	0.0	527.0	5.3	0.00	0.00	3547.7	0.1	3.6	4.2
31	102	1/4" ins	5.0	-0.7	0.040	1.30	0.00	0.0	524.2	17.4	0.01	0.18	3548.2	0.1	3.6	4.2
30	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.00	0.0	523.5	6.5	0.00	0.00	3552.7	0.1	3.2	4.2
29	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.00	0.0	523.2	6.5	0.00	0.00	3552.8	0.1	3.2	4.2
28	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.00	0.0	522.6	6.5	0.00	0.00	3552.9	0.1	3.2	4.2
27	294	H17-4 serial	2.7	90.0	1.000	0.70	0.00	0.0	522.2	5.2	0.00	0.00	3554.3	0.1	3.2	4.2
26	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.00	0.0	612.0	7.7	0.00	0.00	3555.7	0.1	3.0	3.6
25	291	H17-1 serial	0.6	22.0	0.250	0.70	0.00	0.0	611.7	6.1	0.00	0.00	3556.0	0.1	3.0	3.6
24	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.00	0.0	633.6	7.9	0.00	0.00	3556.3	0.1	2.9	3.5
23	291	H17-1 serial	0.6	22.0	0.250	0.70	0.00	0.0	633.3	6.3	0.00	0.00	3556.6	0.1	2.9	3.5
22	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.00	0.0	655.2	8.2	0.00	0.00	3556.9	0.1	2.9	3.4

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Result, cont.**

#	ID	Mooring Element	Length [m]	Buoy [kg]	Area [m^2]	Cd	Current [m/s]	Drag [kg]	Tension [kg]	[%]	Stretch [m]	[%]	Depth [m]	dZ [m]	dXY [m]	Tilt [deg]
21	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.00	0.0	654.9	8.2	0.00	0.00	3557.0	0.1	2.9	3.4
20	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.00	0.0	654.3	8.2	0.00	0.00	3557.1	0.1	2.9	3.4
19	102	1/4" ins	20.0	-2.8	0.159	1.30	0.00	0.0	653.9	21.7	0.04	0.22	3557.6	0.1	2.9	3.4
18	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.00	0.0	651.1	8.1	0.00	0.00	3577.1	0.1	1.7	3.4
17	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.00	0.0	650.8	8.1	0.00	0.00	3577.2	0.1	1.7	3.4
16	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.00	0.0	650.2	5.4	0.00	0.00	3577.3	0.1	1.7	3.4
15	92	Swivel	0.2	-2.0	0.011	1.20	0.00	0.0	649.5	10.8	0.00	0.00	3577.4	0.1	1.7	3.4
14	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.00	0.0	647.5	5.4	0.00	0.00	3577.5	0.1	1.7	3.4
13	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.00	0.0	646.9	8.1	0.00	0.00	3577.6	0.1	1.7	3.4
12	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.00	0.0	646.3	5.4	0.00	0.00	3577.7	0.1	1.7	3.4
11	472	Dual AR Oceano	1.0	-57.0	0.244	1.20	0.00	0.0	645.6	6.5	0.00	0.00	3578.2	0.1	1.7	3.4
10	480	1/2" dropchain	0.6	-6.8	0.024	1.60	0.00	0.0	588.7	3.7	0.00	0.00	3579.0	0.1	1.6	3.8
9	44	OL 4t 7/8"	0.2	-1.5	0.014	1.50	0.00	0.0	582.0	3.6	0.00	0.00	3579.4	0.1	1.6	3.8
8	31	AS 2t 1/2"	0.1	-0.4	0.004	1.50	0.00	0.0	580.5	7.3	0.00	0.00	3579.5	0.1	1.5	3.8
7	102	1/4" ins	20.0	-2.8	0.159	1.30	0.00	0.0	580.2	19.2	0.04	0.20	3580.0	0.1	1.5	3.8
6	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.00	0.0	577.3	7.2	0.00	0.00	3599.6	0.0	0.2	3.8
5	42	OL 2t 5/8"	0.1	-0.6	0.007	1.50	0.00	0.0	577.0	7.2	0.00	0.00	3599.6	0.0	0.2	3.8
4	31	AS 2t 1/2"	0.0	-0.4	0.004	1.50	0.00	0.0	576.4	7.2	0.00	0.00	3599.7	0.0	0.2	3.8
3	151	chain-13	2.7	-6.8	0.054	1.60	0.00	0.0	576.0	5.8	0.00	0.00	3600.2	0.0	0.2	3.9
2	32	AS 3t 5/8"	0.1	-0.7	0.006	1.50	0.00	0.0	569.2	4.7	0.00	0.00	3602.5	0.0	0.0	3.9
1	520	Anchor	1.5	-1090.8	1.200	1.20	0.00	0.0	568.6	9.5	0.00	0.00	3604.0	0.0	0.0	0.0
-----																
Max.	22.2%	Static Tension at:														
93	101	3/16" ins	195.4	-15.1	1.238	1.30	0.03	0.1	403.2	22.2	0.42	0.22	1421.1	10.6	212.9	5.7
-----																
Vert/	Horiz	Anchor Load :	567 kg /	39 kg												
Wet	Clump	Anchor Weight :	1091 kg													
Safe	Clump	Anchor Weight :	864 kg													

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

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Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg  
 Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

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**Event #001 – Simulation Parameter**

#	ID	Element	Ax [	Ay m^2	Az ]	Cx	Cy	Cz	Current [m/s]	Fx [	Fy	Fz kg	Fc	Fb ]	Tx [	Ty kg	Tz ]	Tilt [deg]
241	393	Develogic Ir	0.785	0.785	0.000	1.30	1.30	1.30	0.50	13.3	0.0	0.0	0.0	30.0	0.0	0.0	0.0	24.0
239	120	6mm ins tele	0.005	0.006	0.002	1.25	1.50	0.01	0.50	0.1	0.0	0.0	-0.0	-0.0	13.3	0.0	30.0	24.0
238	244	Sphere 8" 3.	0.029	0.032	0.013	0.46	0.50	0.46	0.50	0.2	0.0	0.0	-0.0	3.2	13.4	0.0	29.9	24.2
237	244	Sphere 8" 3.	0.029	0.032	0.012	0.46	0.50	0.46	0.50	0.3	0.0	0.0	-0.0	3.2	13.7	0.0	33.1	22.5
236	244	Sphere 8" 3.	0.030	0.032	0.011	0.47	0.50	0.47	0.50	0.3	0.0	0.0	-0.0	3.2	13.9	0.0	36.2	21.0
235	244	Sphere 8" 3.	0.030	0.032	0.011	0.47	0.50	0.47	0.50	0.2	0.0	0.0	-0.0	3.2	14.2	0.0	39.4	19.8
234	244	Sphere 8" 3.	0.030	0.032	0.010	0.47	0.50	0.47	0.50	0.2	0.0	0.0	-0.0	3.2	14.4	0.0	42.6	18.7
233	244	Sphere 8" 3.	0.030	0.032	0.010	0.48	0.50	0.48	0.50	0.2	0.0	0.0	-0.0	3.2	14.7	0.0	45.7	17.8
232	244	Sphere 8" 3.	0.030	0.032	0.009	0.48	0.50	0.48	0.50	0.2	0.0	0.0	-0.0	3.2	14.9	0.0	48.9	17.0
231	244	Sphere 8" 3.	0.031	0.032	0.009	0.48	0.50	0.48	0.50	0.2	0.0	0.0	-0.0	3.2	15.2	0.0	52.0	16.3
230	244	Sphere 8" 3.	0.031	0.032	0.009	0.48	0.50	0.48	0.50	0.2	0.0	0.0	-0.0	3.2	15.4	0.0	55.2	15.6
229	244	Sphere 8" 3.	0.031	0.032	0.008	0.48	0.50	0.48	0.50	0.2	0.0	0.0	-0.0	3.2	15.7	0.0	58.4	15.0
228	244	Sphere 8" 3.	0.031	0.032	0.008	0.48	0.50	0.48	0.50	0.2	0.0	0.0	-0.0	3.2	15.9	0.0	61.5	14.5
227	244	Sphere 8" 3.	0.031	0.032	0.008	0.49	0.50	0.49	0.50	0.2	0.0	0.0	-0.0	3.2	16.2	0.0	64.7	14.0
226	120	6mm ins tele	0.058	0.060	0.015	1.41	1.50	0.01	0.50	1.1	0.0	0.0	-0.3	-0.5	16.9	0.0	67.5	14.5
225	336	MC-IM	0.041	0.042	0.011	1.35	1.40	0.97	0.50	0.7	0.0	0.0	-0.2	-2.8	17.5	0.0	67.1	14.6
224	120	6mm ins tele	0.086	0.090	0.026	1.38	1.50	0.01	0.50	1.6	0.0	0.0	-0.4	-0.7	18.9	0.0	63.6	17.3
223	337	MCP-IM	0.040	0.042	0.013	1.34	1.40	0.95	0.50	0.7	0.0	0.0	-0.2	-2.8	19.8	0.0	62.9	17.4
222	120	6mm ins tele	0.023	0.024	0.008	1.34	1.50	0.01	0.50	0.4	0.0	0.0	-0.1	-0.2	20.6	0.0	59.8	19.2
220	31	AS 2t 1/2"	0.004	0.004	0.001	1.42	1.50	1.42	0.50	0.1	0.0	0.0	-0.0	-0.4	20.9	0.0	59.6	19.3
219	42	OL 2t 5/8"	0.007	0.007	0.002	1.41	1.50	1.41	0.50	0.1	0.0	0.0	-0.0	-0.6	21.0	0.0	59.2	19.5
218	32	AS 3t 5/8"	0.006	0.006	0.002	1.41	1.50	1.41	0.50	0.1	0.0	0.0	-0.0	-0.7	21.1	0.0	58.6	19.8
217	97	El. Swivel	0.016	0.017	0.006	1.13	1.20	1.13	0.50	0.3	0.0	0.0	-0.1	-5.2	21.2	0.0	57.9	20.1
216	32	AS 3t 5/8"	0.006	0.006	0.002	1.39	1.50	1.39	0.50	0.1	0.0	0.0	-0.0	-0.7	21.5	0.0	52.6	22.2
215	42	OL 2t 5/8"	0.007	0.007	0.003	1.38	1.50	1.38	0.50	0.1	0.0	0.0	-0.0	-0.6	21.6	0.0	51.9	22.6
214	31	AS 2t 1/2"	0.004	0.004	0.002	1.38	1.50	1.38	0.50	0.1	0.0	0.0	-0.0	-0.4	21.8	0.0	51.3	23.0
212	120	6mm ins tele	1.143	1.422	0.830	0.98	1.50	0.00	0.39	11.3	0.0	0.0	-5.9	-11.8	29.6	0.0	41.2	44.9
211	120	6mm ins tele	0.004	0.006	0.004	0.75	1.50	0.00	0.18	0.0	0.0	0.0	-0.0	-0.0	33.1	0.0	33.2	45.0
210	245	Sphere 8" 2.	0.023	0.032	0.023	0.35	0.50	0.35	0.18	0.0	0.0	0.0	-0.0	2.5	33.1	0.0	33.1	45.0
209	245	Sphere 8" 2.	0.023	0.032	0.022	0.37	0.50	0.37	0.18	0.0	0.0	0.0	-0.0	2.5	33.1	0.0	35.6	42.9

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Parameter, cont.**

#	ID	Element	Ax [	Ay m^2	Az ]	Cx	Cy	Cz	Current [m/s]	Fx [	Fy	Fz kg	Fc	Fb ]	Tx [	Ty kg	Tz ]	Tilt [deg]
208	245	Sphere 8" 2.	0.024	0.032	0.021	0.38	0.50	0.38	0.18	0.0	0.0	0.0	-0.0	2.5	33.2	0.0	38.1	41.0
207	245	Sphere 8" 2.	0.025	0.032	0.020	0.39	0.50	0.39	0.18	0.0	0.0	0.0	-0.0	2.5	33.2	0.0	40.6	39.3
206	120	6mm ins tele	0.010	0.012	0.007	0.94	1.50	0.00	0.18	0.0	0.0	0.0	-0.0	-0.1	33.2	0.0	43.1	37.7
205	246	Sphere 11"	0.049	0.061	0.038	0.40	0.50	0.40	0.18	0.1	0.0	0.0	-0.0	8.4	33.2	0.0	43.0	37.7
204	246	Sphere 11"	0.051	0.061	0.033	0.42	0.50	0.42	0.18	0.1	0.0	0.0	-0.0	8.4	33.3	0.0	51.4	32.9
203	246	Sphere 11"	0.054	0.061	0.030	0.44	0.50	0.44	0.18	0.1	0.0	0.0	-0.0	8.4	33.4	0.0	59.8	29.2
202	120	6mm ins tele	0.027	0.030	0.013	1.21	1.50	0.01	0.18	0.1	0.0	0.0	-0.0	-0.2	33.4	0.0	68.1	26.2
201	336	MC-IM	0.038	0.042	0.019	1.26	1.40	0.90	0.17	0.1	0.0	0.0	-0.0	-2.8	33.5	0.0	67.9	26.2
200	381	Develogic Se	0.054	0.060	0.028	1.24	1.40	0.89	0.17	0.1	0.0	0.0	-0.0	-8.0	33.5	0.0	65.1	27.3
199	120	6mm ins tele	0.026	0.030	0.015	1.11	1.50	0.01	0.17	0.0	0.0	0.0	-0.0	-0.2	33.7	0.0	56.9	30.7
198	31	AS 2t 1/2"	0.004	0.004	0.002	1.29	1.50	1.29	0.17	0.0	0.0	0.0	-0.0	-0.4	33.7	0.0	56.8	30.7
197	42	OL 2t 5/8"	0.006	0.007	0.004	1.29	1.50	1.29	0.17	0.0	0.0	0.0	-0.0	-0.6	33.7	0.0	56.4	30.9
196	32	AS 3t 5/8"	0.005	0.006	0.003	1.28	1.50	1.28	0.17	0.0	0.0	0.0	-0.0	-0.7	33.7	0.0	55.8	31.2
195	92	Swivel	0.009	0.011	0.006	1.02	1.20	1.02	0.17	0.0	0.0	0.0	-0.0	-2.0	33.8	0.0	55.1	31.5
194	32	AS 3t 5/8"	0.005	0.006	0.003	1.27	1.50	1.27	0.17	0.0	0.0	0.0	-0.0	-0.7	33.8	0.0	53.1	32.4
193	42	OL 2t 5/8"	0.006	0.007	0.004	1.26	1.50	1.26	0.17	0.0	0.0	0.0	-0.0	-0.6	33.8	0.0	52.5	32.8
192	32	AS 3t 5/8"	0.005	0.006	0.003	1.26	1.50	1.26	0.17	0.0	0.0	0.0	-0.0	-0.7	33.8	0.0	51.9	33.1
191	216	FL32" 1000m	0.515	0.515	0.515	0.50	0.50	0.50	0.17	0.4	0.0	0.0	0.0	110.0	33.8	0.0	51.2	33.4
190	32	AS 3t 5/8"	0.006	0.006	0.001	1.47	1.50	1.47	0.17	0.0	0.0	0.0	-0.0	-0.7	34.2	0.0	161.2	12.0
189	42	OL 2t 5/8"	0.007	0.007	0.002	1.47	1.50	1.47	0.17	0.0	0.0	0.0	-0.0	-0.6	34.2	0.0	160.6	12.0
188	31	AS 2t 1/2"	0.004	0.004	0.001	1.47	1.50	1.47	0.17	0.0	0.0	0.0	-0.0	-0.4	34.2	0.0	160.0	12.1
187	101	3/16" ins	0.124	0.127	0.027	1.24	1.30	0.00	0.16	0.2	0.0	0.0	-0.0	-1.5	34.4	0.0	158.9	12.3
186	333	MC-SM	0.041	0.042	0.009	1.37	1.40	0.98	0.16	0.1	0.0	0.0	-0.0	-2.8	34.5	0.0	158.0	12.3
185	101	3/16" ins	0.124	0.127	0.028	1.23	1.30	0.00	0.15	0.2	0.0	0.0	-0.0	-1.5	34.6	0.0	154.5	12.7
184	333	MC-SM	0.041	0.042	0.009	1.37	1.40	0.98	0.15	0.1	0.0	0.0	-0.0	-2.8	34.7	0.0	153.6	12.7
183	101	3/16" ins	0.179	0.184	0.042	1.23	1.30	0.00	0.14	0.2	0.0	0.0	-0.0	-2.2	34.9	0.0	149.7	13.3
182	333	MC-SM	0.041	0.042	0.010	1.36	1.40	0.97	0.13	0.0	0.0	0.0	-0.0	-2.8	35.0	0.0	148.5	13.3
181	402	O2-logger	0.029	0.030	0.007	1.26	1.30	0.88	0.13	0.0	0.0	0.0	-0.0	-0.7	35.1	0.0	145.7	13.5
180	101	3/16" ins	0.006	0.006	0.001	1.22	1.30	0.00	0.13	0.0	0.0	0.0	-0.0	-0.1	35.1	0.0	145.0	13.6
179	31	AS 2t 1/2"	0.004	0.004	0.001	1.46	1.50	1.46	0.13	0.0	0.0	0.0	-0.0	-0.4	35.1	0.0	144.9	13.6



**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Parameter, cont.**

#	ID	Element	Ax [	Ay m^2	Az ]	Cx	Cy	Cz	Current [m/s]	Fx [	Fy	Fz kg	Fc	Fb ]	Tx [	Ty kg	Tz ]	Tilt [deg]
178	42	OL 2t 5/8"	0.007	0.007	0.002	1.46	1.50	1.46	0.13	0.0	0.0	0.0	-0.0	-0.6	35.1	0.0	144.6	13.6
177	32	AS 3t 5/8"	0.006	0.006	0.002	1.46	1.50	1.46	0.13	0.0	0.0	0.0	-0.0	-0.7	35.1	0.0	144.0	13.7
176	404	SAMI single	0.097	0.100	0.024	1.36	1.40	0.97	0.13	0.1	0.0	0.0	-0.0	-11.5	35.1	0.0	143.3	13.8
175	32	AS 3t 5/8"	0.006	0.006	0.002	1.45	1.50	1.45	0.13	0.0	0.0	0.0	-0.0	-0.7	35.2	0.0	131.8	15.0
174	42	OL 2t 5/8"	0.007	0.007	0.002	1.45	1.50	1.45	0.13	0.0	0.0	0.0	-0.0	-0.6	35.2	0.0	131.1	15.0
173	31	AS 2t 1/2"	0.004	0.004	0.001	1.45	1.50	1.45	0.13	0.0	0.0	0.0	-0.0	-0.4	35.2	0.0	130.6	15.1
172	101	3/16" ins	0.239	0.248	0.066	1.20	1.30	0.00	0.12	0.2	0.0	0.0	-0.1	-3.0	35.4	0.0	128.7	15.6
171	333	MC-SM	0.041	0.042	0.011	1.35	1.40	0.96	0.10	0.0	0.0	0.0	-0.0	-2.8	35.5	0.0	127.1	15.6
170	101	3/16" ins	0.244	0.254	0.071	1.19	1.30	0.00	0.10	0.1	0.0	0.0	-0.0	-3.1	35.6	0.0	122.8	16.4
169	333	MC-SM	0.041	0.042	0.012	1.34	1.40	0.96	0.09	0.0	0.0	0.0	-0.0	-2.8	35.6	0.0	121.2	16.4
168	101	3/16" ins	0.600	0.629	0.188	1.17	1.30	0.00	0.09	0.3	0.0	0.0	-0.1	-7.6	35.8	0.0	114.6	18.0
167	31	AS 2t 1/2"	0.004	0.004	0.001	1.43	1.50	1.43	0.08	0.0	0.0	0.0	-0.0	-0.4	35.9	0.0	110.7	18.0
166	42	OL 2t 5/8"	0.007	0.007	0.002	1.43	1.50	1.43	0.08	0.0	0.0	0.0	-0.0	-0.6	35.9	0.0	110.3	18.0
165	32	AS 3t 5/8"	0.006	0.006	0.002	1.43	1.50	1.43	0.08	0.0	0.0	0.0	-0.0	-0.7	35.9	0.0	109.7	18.1
164	330	Flotec	0.952	1.002	0.314	0.95	1.00	0.66	0.08	0.3	0.0	0.0	-0.1	54.0	35.9	0.0	109.1	18.2
163	32	AS 3t 5/8"	0.006	0.006	0.001	1.46	1.50	1.46	0.08	0.0	0.0	0.0	-0.0	-0.7	36.3	0.0	163.0	12.5
162	42	OL 2t 5/8"	0.007	0.007	0.002	1.46	1.50	1.46	0.08	0.0	0.0	0.0	-0.0	-0.6	36.3	0.0	162.3	12.6
161	32	AS 3t 5/8"	0.006	0.006	0.001	1.46	1.50	1.46	0.08	0.0	0.0	0.0	-0.0	-0.7	36.3	0.0	161.7	12.6
160	92	Swivel	0.010	0.011	0.002	1.17	1.20	1.17	0.08	0.0	0.0	0.0	-0.0	-2.0	36.3	0.0	161.1	12.7
159	32	AS 3t 5/8"	0.006	0.006	0.001	1.46	1.50	1.46	0.08	0.0	0.0	0.0	-0.0	-0.7	36.3	0.0	159.1	12.8
158	42	OL 2t 5/8"	0.007	0.007	0.002	1.46	1.50	1.46	0.08	0.0	0.0	0.0	-0.0	-0.6	36.3	0.0	158.4	12.9
157	31	AS 2t 1/2"	0.004	0.004	0.001	1.46	1.50	1.46	0.08	0.0	0.0	0.0	-0.0	-0.4	36.3	0.0	157.8	12.9
156	101	3/16" ins	0.618	0.635	0.146	1.22	1.30	0.00	0.07	0.2	0.0	0.0	-0.0	-7.7	36.4	0.0	153.6	13.7
155	333	MC-SM	0.041	0.042	0.010	1.36	1.40	0.97	0.06	0.0	0.0	0.0	-0.0	-2.8	36.5	0.0	149.7	13.7
154	101	3/16" ins	1.198	1.238	0.315	1.21	1.30	0.00	0.05	0.2	0.0	0.0	-0.1	-15.1	36.6	0.0	139.4	15.6
153	31	AS 2t 1/2"	0.004	0.004	0.001	1.45	1.50	1.45	0.05	0.0	0.0	0.0	-0.0	-0.4	36.7	0.0	131.8	15.6
152	42	OL 2t 5/8"	0.007	0.007	0.002	1.44	1.50	1.44	0.05	0.0	0.0	0.0	-0.0	-0.6	36.7	0.0	131.4	15.6
151	32	AS 3t 5/8"	0.006	0.006	0.002	1.44	1.50	1.44	0.05	0.0	0.0	0.0	-0.0	-0.7	36.7	0.0	130.8	15.7
150	369	Acoustic Reco	0.308	0.320	0.087	1.25	1.30	0.87	0.05	0.1	0.0	0.0	-0.0	-15.0	36.7	0.0	130.2	15.7
149	42	OL 2t 5/8"	0.007	0.007	0.002	1.43	1.50	1.43	0.05	0.0	0.0	0.0	-0.0	-0.6	36.8	0.0	115.2	17.7

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Parameter, cont.**

#	ID	Element	Ax [	Ay m^2	Az ]	Cx	Cy	Cz	Current [m/s]	Fx [	Fy	Fz kg	Fc	Fb ]	Tx [	Ty kg	Tz ]	Tilt [deg]
148	31	AS 2t 1/2"	0.004	0.004	0.001	1.43	1.50	1.43	0.05	0.0	0.0	0.0	-0.0	-0.4	36.8	0.0	114.6	17.8
147	294	H17-4 serial	0.952	1.000	0.306	0.67	0.70	2.19	0.05	0.1	0.0	0.0	-0.0	90.0	36.8	0.0	114.2	17.8
146	31	AS 2t 1/2"	0.004	0.004	0.001	1.48	1.50	1.48	0.05	0.0	0.0	0.0	-0.0	-0.4	36.8	0.0	204.2	10.2
145	294	H17-4 serial	0.984	1.000	0.178	0.69	0.70	2.26	0.05	0.1	0.0	0.0	-0.0	90.0	36.8	0.0	203.9	10.2
144	31	AS 2t 1/2"	0.004	0.004	0.001	1.49	1.50	1.49	0.05	0.0	0.0	0.0	-0.0	-0.4	36.9	0.0	293.8	7.2
143	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.05	0.0	0.0	0.0	-0.0	-0.6	36.9	0.0	293.5	7.2
142	31	AS 2t 1/2"	0.004	0.004	0.001	1.49	1.50	1.49	0.05	0.0	0.0	0.0	-0.0	-0.4	36.9	0.0	292.9	7.2
141	101	3/16" ins	0.063	0.063	0.008	1.28	1.30	0.00	0.05	0.0	0.0	0.0	-0.0	-0.8	36.9	0.0	292.2	7.2
140	347	Aquadopp DW	0.063	0.063	0.008	1.19	1.20	0.89	0.05	0.0	0.0	0.0	-0.0	-6.0	37.0	0.0	291.8	7.2
139	101	3/16" ins	0.875	0.883	0.116	1.28	1.30	0.00	0.05	0.1	0.0	0.0	-0.0	-10.7	37.0	0.0	280.4	7.7
138	333	MC-SM	0.042	0.042	0.006	1.39	1.40	0.99	0.05	0.0	0.0	0.0	-0.0	-2.8	37.1	0.0	275.0	7.7
137	101	3/16" ins	2.200	2.222	0.317	1.27	1.30	0.00	0.05	0.4	0.0	0.0	-0.1	-27.0	37.3	0.0	258.7	8.7
136	334	MCP-SM	0.042	0.042	0.006	1.38	1.40	0.99	0.05	0.0	0.0	0.0	-0.0	-2.8	37.5	0.0	245.1	8.7
135	101	3/16" ins	0.571	0.578	0.090	1.27	1.30	0.00	0.05	0.1	0.0	0.0	-0.0	-7.0	37.5	0.0	238.9	9.1
134	31	AS 2t 1/2"	0.004	0.004	0.001	1.48	1.50	1.48	0.04	0.0	0.0	0.0	-0.0	-0.4	37.6	0.0	235.3	9.1
133	42	OL 2t 5/8"	0.007	0.007	0.001	1.48	1.50	1.48	0.04	0.0	0.0	0.0	-0.0	-0.6	37.6	0.0	234.9	9.1
132	31	AS 2t 1/2"	0.004	0.004	0.001	1.48	1.50	1.48	0.04	0.0	0.0	0.0	-0.0	-0.4	37.6	0.0	234.4	9.1
131	294	H17-4 serial	0.987	1.000	0.158	0.69	0.70	2.27	0.04	0.1	0.0	0.0	-0.0	90.0	37.6	0.0	234.0	9.1
130	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	37.6	0.0	324.0	6.6
129	291	H17-1 serial	0.248	0.250	0.029	0.70	0.70	1.09	0.04	0.0	0.0	0.0	-0.0	22.0	37.6	0.0	323.6	6.6
128	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	37.7	0.0	345.6	6.2
127	291	H17-1 serial	0.249	0.250	0.027	0.70	0.70	1.09	0.04	0.0	0.0	0.0	-0.0	22.0	37.7	0.0	345.3	6.2
126	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	37.7	0.0	367.3	5.9
125	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.6	37.7	0.0	366.9	5.9
124	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	37.7	0.0	366.3	5.9
123	102	1/4" ins	0.790	0.794	0.083	1.28	1.30	0.00	0.04	0.1	0.0	0.0	-0.0	-14.1	37.7	0.0	359.0	6.1
122	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	37.8	0.0	351.9	6.1
121	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.6	37.8	0.0	351.5	6.1
120	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.7	37.8	0.0	350.9	6.1
119	92	Swivel	0.011	0.011	0.001	1.19	1.20	1.19	0.04	0.0	0.0	0.0	-0.0	-2.0	37.8	0.0	350.3	6.2

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Parameter, cont.**

#	ID	Element	Ax [	Ay m^2	Az ]	Cx	Cy	Cz	Current [m/s]	Fx [	Fy	Fz kg	Fc	Fb ]	Tx [	Ty kg	Tz ]	Tilt [deg]
118	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.7	37.8	0.0	348.3	6.2
117	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.6	37.8	0.0	347.6	6.2
116	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.7	37.8	0.0	347.0	6.2
115	390	TRAP Bremen	2.989	3.007	0.326	1.49	1.30	0.07	0.04	0.3	0.0	0.0	-0.0	-50.0	37.8	0.0	346.4	6.2
114	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.7	38.1	0.0	296.3	7.3
113	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.6	38.1	0.0	295.7	7.3
112	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.7	38.1	0.0	295.1	7.4
111	92	Swivel	0.011	0.011	0.001	1.19	1.20	1.19	0.04	0.0	0.0	0.0	-0.0	-2.0	38.1	0.0	294.4	7.4
110	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.7	38.1	0.0	292.4	7.4
109	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.6	38.1	0.0	291.8	7.4
108	31	AS 2t 1/2"	0.004	0.004	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	38.1	0.0	291.2	7.5
107	102	1/4" ins	0.079	0.079	0.010	1.28	1.30	0.00	0.04	0.0	0.0	0.0	-0.0	-1.4	38.1	0.0	290.2	7.5
106	347	Aquadopp DW	0.062	0.063	0.008	1.19	1.20	0.89	0.04	0.0	0.0	0.0	-0.0	-6.0	38.1	0.0	289.4	7.5
105	102	1/4" ins	0.708	0.715	0.098	1.27	1.30	0.00	0.04	0.1	0.0	0.0	-0.0	-12.7	38.2	0.0	277.1	8.0
104	31	AS 2t 1/2"	0.004	0.004	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	38.2	0.0	270.7	8.0
103	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.6	38.2	0.0	270.3	8.0
102	31	AS 2t 1/2"	0.004	0.004	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	38.2	0.0	269.8	8.1
101	294	H17-4 serial	0.990	1.000	0.140	0.69	0.70	2.28	0.04	0.1	0.0	0.0	-0.0	90.0	38.2	0.0	269.4	8.1
100	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	38.3	0.0	359.4	6.1
99	291	H17-1 serial	0.249	0.250	0.026	0.70	0.70	1.09	0.04	0.0	0.0	0.0	-0.0	22.0	38.3	0.0	359.0	6.1
98	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	38.3	0.0	381.0	5.7
97	291	H17-1 serial	0.249	0.250	0.025	0.70	0.70	1.09	0.04	0.0	0.0	0.0	-0.0	22.0	38.3	0.0	380.7	5.7
96	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	38.3	0.0	402.7	5.4
95	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.6	38.3	0.0	402.3	5.4
94	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.04	0.0	0.0	0.0	-0.0	-0.4	38.3	0.0	401.7	5.4
93	101	3/16" ins	1.232	1.238	0.120	1.29	1.30	0.00	0.03	0.1	0.0	0.0	-0.0	-15.1	38.4	0.0	393.9	5.7
92	334	MCP-SM	0.042	0.042	0.004	1.39	1.40	1.00	0.03	0.0	0.0	0.0	-0.0	-2.8	38.4	0.0	386.3	5.7
91	101	3/16" ins	4.325	4.350	0.467	1.28	1.30	0.00	0.02	0.2	0.0	0.0	-0.0	-52.9	38.5	0.0	357.1	6.7
90	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.02	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	330.6	6.7
89	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.02	0.0	0.0	0.0	-0.0	-0.6	38.6	0.0	330.3	6.7

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Parameter, cont.**

#	ID	Element	Ax [	Ay m^2	Az ]	Cx	Cy	Cz	Current [m/s]	Fx [	Fy	Fz kg	Fc	Fb ]	Tx [	Ty kg	Tz ]	Tilt [deg]
88	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.02	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	329.7	6.7
87	294	H17-4 serial	0.993	1.000	0.116	0.70	0.70	2.28	0.02	0.0	0.0	0.0	-0.0	90.0	38.6	0.0	329.3	6.7
86	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.02	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	419.3	5.3
85	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.02	0.0	0.0	0.0	-0.0	-0.6	38.6	0.0	419.0	5.3
84	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.02	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	418.4	5.3
83	102	1/4" ins	4.739	4.764	0.489	1.28	1.30	0.00	0.01	0.1	0.0	0.0	-0.0	-84.6	38.6	0.0	375.8	6.6
82	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	333.4	6.6
81	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.6	38.6	0.0	333.0	6.6
80	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	332.5	6.6
79	294	H17-4 serial	0.993	1.000	0.116	0.70	0.70	2.28	0.01	0.0	0.0	0.0	-0.0	90.0	38.6	0.0	332.1	6.6
78	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	422.1	5.2
77	291	H17-1 serial	0.249	0.250	0.023	0.70	0.70	1.10	0.01	0.0	0.0	0.0	-0.0	22.0	38.6	0.0	421.7	5.2
76	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	443.7	5.0
75	291	H17-1 serial	0.249	0.250	0.022	0.70	0.70	1.10	0.01	0.0	0.0	0.0	-0.0	22.0	38.6	0.0	443.4	5.0
74	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	465.4	4.7
73	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.6	38.6	0.0	465.0	4.8
72	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	464.4	4.8
71	102	1/4" ins	0.791	0.794	0.067	1.29	1.30	0.00	0.01	0.0	0.0	0.0	-0.0	-14.1	38.6	0.0	457.1	4.9
70	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.6	0.0	450.0	4.9
69	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.6	38.6	0.0	449.6	4.9
68	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.7	38.6	0.0	449.0	4.9
67	92	Swivel	0.011	0.011	0.001	1.20	1.20	1.20	0.01	0.0	0.0	0.0	-0.0	-2.0	38.6	0.0	448.4	4.9
66	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.7	38.6	0.0	446.4	4.9
65	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.6	38.6	0.0	445.7	5.0
64	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.7	38.6	0.0	445.1	5.0
63	390	TRAP Bremen	2.996	3.007	0.260	1.30	1.30	0.07	0.01	0.0	0.0	0.0	-0.0	-50.0	38.6	0.0	444.5	5.0
62	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.7	38.7	0.0	394.5	5.6
61	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	393.8	5.6
60	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.7	38.7	0.0	393.2	5.6
59	92	Swivel	0.011	0.011	0.001	1.19	1.20	1.19	0.01	0.0	0.0	0.0	-0.0	-2.0	38.7	0.0	392.6	5.6

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Parameter, cont.**

#	ID	Element	Ax [	Ay m^2	Az ]	Cx	Cy	Cz	Current [m/s]	Fx [	Fy	Fz kg	Fc	Fb ]	Tx [	Ty kg	Tz ]	Tilt [deg]
58	32	AS 3t 5/8"	0.006	0.006	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.7	38.7	0.0	390.6	5.7
57	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	389.9	5.7
56	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	389.3	5.7
55	102	1/4" ins	0.079	0.079	0.008	1.29	1.30	0.00	0.01	0.0	0.0	0.0	-0.0	-1.4	38.7	0.0	388.3	5.7
54	347	Aquadopp DW	0.063	0.063	0.006	1.19	1.20	0.90	0.01	0.0	0.0	0.0	-0.0	-6.0	38.7	0.0	387.6	5.7
53	102	1/4" ins	0.711	0.715	0.073	1.28	1.30	0.00	0.01	0.0	0.0	0.0	-0.0	-12.7	38.7	0.0	375.3	6.0
52	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	368.9	6.0
51	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	368.5	6.0
50	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	367.9	6.0
49	294	H17-4 serial	0.995	1.000	0.105	0.70	0.70	2.29	0.01	0.0	0.0	0.0	-0.0	90.0	38.7	0.0	367.6	6.0
48	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.01	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	457.6	4.8
47	291	H17-1 serial	0.249	0.250	0.021	0.70	0.70	1.10	0.01	0.0	0.0	0.0	-0.0	22.0	38.7	0.0	457.2	4.8
46	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.01	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	479.2	4.6
45	291	H17-1 serial	0.249	0.250	0.020	0.70	0.70	1.10	0.01	0.0	0.0	0.0	-0.0	22.0	38.7	0.0	478.9	4.6
44	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.01	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	500.9	4.4
43	42	OL 2t 5/8"	0.007	0.007	0.001	1.50	1.50	1.50	0.01	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	500.5	4.4
42	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.01	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	499.9	4.4
41	102	1/4" ins	2.691	2.700	0.219	1.29	1.30	0.00	0.01	0.0	0.0	0.0	-0.0	-47.9	38.7	0.0	475.7	4.9
40	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	451.6	4.9
39	42	OL 2t 5/8"	0.007	0.007	0.001	1.49	1.50	1.49	0.00	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	451.3	4.9
38	31	AS 2t 1/2"	0.004	0.004	0.000	1.49	1.50	1.49	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	450.7	4.9
37	294	H17-4 serial	0.996	1.000	0.086	0.70	0.70	2.29	0.00	0.0	0.0	0.0	-0.0	90.0	38.7	0.0	450.3	4.9
36	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	540.3	4.1
35	42	OL 2t 5/8"	0.007	0.007	0.001	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	540.0	4.1
34	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	539.4	4.1
33	102	1/4" ins	0.752	0.754	0.055	1.29	1.30	0.00	0.00	0.0	0.0	0.0	-0.0	-13.4	38.7	0.0	532.4	4.2
32	334	MCP-SM	0.042	0.042	0.003	1.40	1.40	1.00	0.00	0.0	0.0	0.0	-0.0	-2.8	38.7	0.0	525.6	4.2
31	102	1/4" ins	0.040	0.040	0.003	1.29	1.30	0.00	0.00	0.0	0.0	0.0	-0.0	-0.7	38.7	0.0	522.5	4.2
30	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	522.1	4.2
29	42	OL 2t 5/8"	0.007	0.007	0.001	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	521.8	4.2

**V440-06/KPO XXXX/CV**  
**Deployment: Meteor 106 – Spring 2014**

Source: 19-Feb-2014 11:05:50, /ext/project/moorings/cv/cv6/new/v440\_06\_cb.cfg

Author: 19-Feb-2014 11:06:14, begler@kim(GLNX86)

**Event #001 – Simulation Parameter, cont.**

#	ID	Element	Ax [	Ay m^2	Az ]	Cx	Cy	Cz	Current [m/s]	Fx [	Fy	Fz kg	Fc	Fb ]	Tx [	Ty kg	Tz ]	Tilt [deg]
28	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	521.2	4.2
27	294	H17-4 serial	0.997	1.000	0.074	0.70	0.70	2.29	0.00	0.0	0.0	0.0	-0.0	90.0	38.7	0.0	520.8	4.2
26	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	610.8	3.6
25	291	H17-1 serial	0.249	0.250	0.016	0.70	0.70	1.10	0.00	0.0	0.0	0.0	-0.0	22.0	38.7	0.0	610.5	3.6
24	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	632.5	3.5
23	291	H17-1 serial	0.250	0.250	0.015	0.70	0.70	1.10	0.00	0.0	0.0	0.0	-0.0	22.0	38.7	0.0	632.1	3.5
22	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	654.1	3.4
21	42	OL 2t 5/8"	0.007	0.007	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	653.7	3.4
20	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	653.2	3.4
19	102	1/4" ins	0.159	0.159	0.009	1.29	1.30	0.00	0.00	0.0	0.0	0.0	-0.0	-2.8	38.7	0.0	651.5	3.4
18	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	650.0	3.4
17	42	OL 2t 5/8"	0.007	0.007	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	649.6	3.4
16	32	AS 3t 5/8"	0.006	0.006	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.7	38.7	0.0	649.0	3.4
15	92	Swivel	0.011	0.011	0.001	1.20	1.20	1.20	0.00	0.0	0.0	0.0	-0.0	-2.0	38.7	0.0	648.4	3.4
14	32	AS 3t 5/8"	0.006	0.006	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.7	38.7	0.0	646.4	3.4
13	42	OL 2t 5/8"	0.007	0.007	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	645.7	3.4
12	32	AS 3t 5/8"	0.006	0.006	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.7	38.7	0.0	645.1	3.4
11	472	Dual AR Ocea	0.244	0.244	0.015	1.20	1.20	0.90	0.00	0.0	0.0	0.0	-0.0	-57.0	38.7	0.0	644.5	3.4
10	480	1/2" dropcha	0.024	0.024	0.002	1.60	1.60	1.00	0.00	0.0	0.0	0.0	-0.0	-6.8	38.7	0.0	587.5	3.8
9	44	OL 4t 7/8"	0.014	0.014	0.001	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-1.5	38.7	0.0	580.7	3.8
8	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	579.2	3.8
7	102	1/4" ins	0.158	0.159	0.011	1.29	1.30	0.00	0.00	0.0	0.0	0.0	-0.0	-2.8	38.7	0.0	577.5	3.8
6	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	576.0	3.8
5	42	OL 2t 5/8"	0.007	0.007	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.6	38.7	0.0	575.7	3.8
4	31	AS 2t 1/2"	0.004	0.004	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.4	38.7	0.0	575.1	3.8
3	151	chain-13	0.054	0.054	0.004	1.60	1.60	1.00	0.00	0.0	0.0	0.0	-0.0	-6.8	38.7	0.0	572.5	3.9
2	32	AS 3t 5/8"	0.006	0.006	0.000	1.50	1.50	1.50	0.00	0.0	0.0	0.0	-0.0	-0.7	38.7	0.0	567.9	3.9
1	520	Anchor	1.200	1.200	0.000	1.20	1.20	1.20	0.00	0.0	0.0	0.0	0.0	-1090.8	38.7	0.0	567.2	0.0