

	Virgin	Vixen	Casper	Castle	Diva	Trevi	Inferno	Marshmallow	CASM	South Cleft - Vent 1	South Cleft - Plume
1998	HOBO129						HOBO137		HOBO130	HOBO133 / HOBO136	
1999	HOBO130						HOBO128			HOBO133 / HOBO134	HOBO137
2000	HOBO127 / HOBO130									HOBO129	(cont'd)
2001	HOBO126 / HOBO130	HOBO152 / HOBO153		HOBO128						HOBO134 / HOBO150	HOBO133
2002		HOBO152 / HOBO153		HOBO128						(cont'd)	(cont'd)
2003		HOBO130 / HOBO132		HOBO151				HOBO126		(cont'd)	(cont'd)
2004	HOBO127	HOBO153								(cont'd)	(cont'd)
2005	(cont'd)	(cont'd)								HOBO126 / HOBO151	HOBO130
2006	MISO104	MISO101	MISO103	MISO102						(cont'd)	(cont'd)
2007	MISO101	MISO130	MISO129	MISO103						(cont'd)	(cont'd)
2010	HOBO153	MISO102	MISO104	MISO130	MISO129	MISO101				(cont'd)	(cont'd)
2011	MISO103	MISO147 (LOST)	MISO141	MISO102	HOBO153	MISO135				(cont'd)	(cont'd)
2012	MISO129	MISO101	(cont'd)	(cont'd)	(cont'd)	MISO104				(cont'd)	(cont'd)
2013			MISO102 / MISO130	MISO103	MISO135					(cont'd)	(cont'd)
2014		MISO129	MISO104	MISO101		HOBO153				(cont'd)	(cont'd)
2015		MISO103		MISO141	MISO102	MISO101				(cont'd)	(cont'd)
2016		MISO103		MISO141	MISO102	MISO101				HOBO151 recovered / HOBO126 not	HOBO130 recovered
2017	HOBO129	HOBO151		HOBO153	HOBO130	MISO104				HOBO126 (cont'd)	

	HOB0126	HOB0127	HOB0128	HOB0129	HOB0130	HOB0132	HOB0133	HOB0134	HOB0136	HOB0137	HOB0150	HOB0151	HOB0152	HOB0153	MISO101	MISO102	MISO103	MISO104	MISO129	MISO130	MISO135	MISO141	MISO147		
1998				Virgin	CASM		S Cleft: Vent1		S Cleft: Vent1	Inferno															
1999			Hall/Infer no	?	Virgin	?	(flatline)	(cont'd)	S Cleft: Vent 1	LOST	S Cleft: Plume														
2000		Virgin		S Cleft: Vent1	Virgin		(repair)	(repair)			(cont'd)														
2001	Virgin		Castle	LOST	Virgin		S Cleft: Plume	S Cleft: Vent 1			S Cleft: Vent 1		Vixen	Vixen											
2002			Castle				(cont'd)	(cont'd)			(cont'd)		Vixen (flatline)	Vixen											
2003	Marshmal low				Vixen	Vixen	(cont'd)	(cont'd)		(repair)	(cont'd)	Castle													
2004		Virgin	Vixen (flatline)				(cont'd)	(cont'd)			(cont'd)	Castle (flatline)	Vixen												
2005	S Cleft: Vent1	(cont'd)	(cont'd)		S Cleft: Plume	(repair)	(repair)	(repair)			S Cleft: Vent1	(cont'd)													
2006	(cont'd)	DEAD	(repair)		(cont'd)	MISO	MISO	MISO		Newport	MISO	(cont'd)	(repair)	Newport	Axial (Vixen)	Axial (Castle)	Axial (Casper)	Axial (Virgin)							
2007	(cont'd)		MISO		(cont'd)	MISO	MISO	MISO		Newport	MISO	(cont'd)	MISO	Newport	Axial (Virgin)	Newport	Axial (Castle)	Newport	Axial (Casper)	Axial (Vixen)					
2010	(cont'd)		MISO		(cont'd)	MISO	MISO	MISO		Newport cont close	MISO	(cont'd)	MISO		Axial (Virgin)	Axial (Trevi)	Axial (Vixen)	Newport	Axial (Casper)	Axial (Diva)	Axial (Castle)				
2011	(cont'd)		MISO		(cont'd)	MISO	MISO	MISO		MISO	MISO	(cont'd)	MISO		Axial (Diva)	Newport	Axial (Castle)	Axial (Virgin)	Newport	Newport	Newport	Axial (Trevi)	Axial (Casper)	Axial (Vixen)	
2012	(cont'd)		MISO		(cont'd)	MISO	MISO	MISO		MISO	MISO	(cont'd)	MISO		Axial (Vixen)	(cont'd)	Newport	Axial (Trevi)	Axial (Virgin)	Newport	Newport	(cont'd)	LOST		
2013	(cont'd)		MISO		(cont'd)	MISO	MISO	MISO		MISO	MISO	(cont'd)	MISO		Newport	Newport	Axial (Casper)	Axial (Castle)	Newport	Newport	Axial (Casper)	Axial (Diva)	Newport	LOST	
2014	(cont'd)		MISO		(cont'd)	MISO	MISO	MISO		MISO	MISO	(cont'd)	MISO		Axial (Trevi)	Axial (Castle)	Newport	Newport	Axial (Casper)	Axial (Vixen)	Newport	Newport	Newport	LOST	
2015	(cont'd)		MISO		(cont'd)	MISO	MISO	MISO		MISO	MISO	(cont'd)	MISO		Newport	Axial (Trevi)	Axial (Diva)	Axial (Vixen)	Newport	Newport	LOST	LOST	Axial (Castle)	LOST	
2016	(cont'd)		MISO		(cont'd)	MISO	MISO	MISO		MISO	MISO	(cont'd)	MISO		Newport	Newport	Axial (Diva)	Axial (Vixen)	Newport	Newport	LOST	LOST	Axial (Castle)	LOST	
2017	(cont'd)		MISO		Axial (Diva)	MISO	MISO	MISO		MISO	MISO	(cont'd)	MISO		Axial (Vixen)	Axial (Castle)	Newport	Newport	Newport	Axial (Trevi)	Axial (Virgin)	LOST	LOST	Newport	LOST

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Hobo	Time period	Deployment location	Deployed	Recovered	Comments	SN	Dist?
Hobo 126	2005	B Chalk, Vant 1 Chimney 242	Tebson T876 MSBAR 2005	all there	Chimney 242 upper vent.	150382	Yes
Hobo 126	2003-2004	Marmalade	ROPOS R8728 NMAO 2003	ROPOS R884 NMAO 2004	ROPOS R8728 NMAO 2003	150382	Yes
Hobo 126	2001-2002	Virgin Vant	ROPOS R8632 NMAO 2001	ROPOS R862 NMAO 2002	was Virgin's daughter - but it's unknown what she was doing at -April, then no data	150382	Yes
Hobo 127	2004-2006	Virgin Vant	ROPOS R884 NMAO 2004	ROPOS R1019 NMAO 2005	ROPOS R884 NMAO 2004	150383	No
Hobo 127	2000-2001	Virgin Vant	ROPOS R855 NMAO 2000	ROPOS R622 NMAO 2001	-300' until 01:01 then flares out at 150°	150383	No
Hobo 128	2004-2006	Vision (Cape)	ROPOS R863 NMAO 2004	ROPOS R1019 NMAO 2005	ROPOS R863 NMAO 2004	150318	No
Hobo 128	2002-2002	Cashe Vant (near Antares)	ROPOS R874 NMAO 2002	ROPOS R784 NMAO 2002	Started at -250, bottomed out at 240 from Apr. Jan then up again.	150318	Yes
Hobo 128	2001-2002	Cashe Vant (near Antares)	ROPOS R827 NMAO 2001	ROPOS R828 NMAO 2002	Good data (200 - 250')	150318	Yes
Hobo 128	1999-2000	Hull to Infants	ROPOS R853 NMAO 1999	ROPOS R624 NMAO 2001	ROPOS R853 NMAO 1999	150318	Yes
Hobo 128	1999-2000	B Chalk, Vant 1 Chimney 242	ROPOS R843 NMAO 2000	LOST	ROPOS R843 NMAO 2000	150318	No
Hobo 128	1999-2000	?	?	?	Recorded data, but near above maximum temp (151). Page line.	150320	Yes
Hobo 128	1998-1999	Virgin Vant	Alan 3246 17-Jul-1998	ROPOS R803 NMAO 1999	Good data. Steady temp -310'	150320	Yes
Hobo 128	2004-2018	B Chalk, Plasma	Tebson T877 MSBAR 2005	Doc. Richards MSBAR 2018	Probe fell out of vent after -9 months at -200°C	150321	Yes
Hobo 128	2003-2004	Vision (Cape)	ROPOS R874 NMAO 2003	ROPOS R867 NMAO 2004	Temp dropped in June. Spiked back up in Oct.	150321	Yes
Hobo 128	2001-2002	Virgin Vant	ROPOS R862 NMAO 2001	ROPOS R862 NMAO 2002	Good data (200 - 275')	150321	Yes
Hobo 128	2000-2001	Virgin Vant	ROPOS R855 NMAO 2000	ROPOS R824 NMAO 2001	Good data (200 - 275'). The probe stopped -10' for the rest of the year.	150321	Yes
Hobo 128	1999-2000	Virgin Vant	ROPOS R853 NMAO 1999	ROPOS R848 NMAO 2000	Collected data for -1 day then bottomed out.	150321	Yes
Hobo 128	1998-1999	T&S Sevens Coast	ROPOS R866 NMAO 1998	ROPOS R897 NMAO 1999	Good data. Steady temp -near 230' to 250'	150321	Yes
Hobo 128	2003-2004	Vision (Cape)	ROPOS R874 NMAO 2003	ROPOS R867 NMAO 2004	Temp bottomed out mid-June 04. Went to probe broken in office in 2005. Sent to Forrest 05/04 for repair. Converted to MSO probe.	150321	Yes
Hobo 128	1999-2000	?	?	?	Failure	150321	No
Hobo 128	2001-2002	B Chalk, Plasma	ROPOS R821 NMAO 2001	Tebson T877 MSBAR 2005	ROPOS R821 NMAO 2001	150321	Yes
Hobo 128	1998-2000	B Chalk, Vant 1 Chimney 242	Alan 3246 14-Sep-1998	ROPOS R842 NMAO 2000	ROPOS R842 NMAO 2000	150321	No
Hobo 128	2001-2002	Chimney 242 (upper vent)	ROPOS R863 NMAO 2001	Tebson T876 MSBAR 2005	ROPOS R863 NMAO 2001	150321	Yes
Hobo 128	1999-2000	Chimney 242	Alan 3246 11-Sep-1999	ROPOS R842 NMAO 2000	ROPOS R842 NMAO 2000	150321	Yes
Hobo 128	1998-1999	B Chalk, Vant 1 Chimney 242	Alan 3246 18-Aug-1998	LOST	Deployed in lower region vent on Chimney 242. Never found -LOST	150321	No
Hobo 128	1999-2001	B Chalk, Plasma	Alan 3246 14-Sep-1999	ROPOS R821 NMAO 2001	ROPOS R821 NMAO 2001	150318	Yes
Hobo 128	1998-1999	Infants	Alan 3246 17-Jul-1998	ROPOS R803 NMAO 1999	Temp started at 200' gradually progressed to 150 by 2000, then bottomed at 200 by 1999	150318	Yes
Hobo 128	2001-2002	B Chalk, Vant 1 Chimney 242	ROPOS R827 NMAO 2001	Tebson T876 MSBAR 2005	ROPOS R827 NMAO 2001	150322	Yes
Hobo 128	2003-2018	B Chalk, Vant 1 Chimney 242	Tebson T876 MSBAR 2005	Doc. Richards MSBAR 2018	Chimney 242 lower vent. Good data. 200°C for over 3 years	150321	Yes
Hobo 128	2003-2004	Asal (Cape)	ROPOS R878 NMAO 2003	ROPOS R886 NMAO 2004	Near Antares. Spikes in graph stopped 2004	150321	Yes
Hobo 128	2004-2006	Asal (Cape)	ROPOS R886 NMAO 2004	ROPOS R1019 NMAO 2005	ROPOS R886 NMAO 2004	150383	No
Hobo 128	2002-2003	Asal (Vant)	ROPOS R874 NMAO 2002	ROPOS R1019 NMAO 2003	ROPOS R874 NMAO 2002	150383	Yes
Hobo 128	2001-2002	Asal (Vant)	ROPOS R830 NMAO 2001	ROPOS R861 NMAO 2002	Good data (110 - 330')	150386	Yes
Hobo 128	2014	Asal (Trawl)	Jason 22-790 (2014)		DEPLOYED IN 2014	150386	Yes
Hobo 128	2011-2013	Asal (Dred)	Jason 22-581 NMAO 2011	Jason 22-728 NMAO 2013	RECOVERED	150386	Yes
Hobo 128	2010-2011	Asal (Virt)	Jason 22-521 NMAO 2010	Jason 22-581 NMAO 2011	Fall out of vent before 2011 winter.	150386	Yes
Hobo 128	2004-2008	Asal (Vant)	ROPOS R861 NMAO 2004	ROPOS R1019 NMAO 2005	ROPOS R861 NMAO 2004	150386	Yes
Hobo 128	2002-2003	Asal (Vant)	ROPOS R874 NMAO 2002	ROPOS R1019 NMAO 2003	ROPOS R874 NMAO 2002	150386	Yes
Hobo 128	2001-2002	Asal (Vant)	ROPOS R830 NMAO 2001	ROPOS R861 NMAO 2002	-320' near 300, big spike during 400, then bottomed out.	150386	Yes
MISO 101	2014	Asal (Cape)	Jason 22-788 (2014)		DEPLOYED IN 2014	150387	Yes
MISO 101	2012-2013	Asal (Vant)	Jason 22-461 NMAO 2012	Jason 22-728 NMAO 2013	Good records. Probe started at 9 340C, then decreased toward 300C.	150387	Yes
MISO 101	2011-2011	Asal (Trawl)	Jason 22-521 NMAO 2011	Jason 22-581 NMAO 2011	Data (1 step) during April 2011 event.	150387	Yes
MISO 101	2007-2010	Asal (Virt)	Jason 22-289 NMAO 2007	Jason 22-521 NMAO 2010	Steadily decreased and was off- track for last months of the year. Fall out of vent?	150387	Yes
MISO 101	2008-2007	Asal (Vant)	ROPOS R1019 NMAO 2008	Jason 22-289 NMAO 2007	ROPOS R1019 NMAO 2008	150387	Yes
MISO 101	2013-2014	Asal (Cape)	Jason 22-790 (2014)	Jason 22-788 (2014)	RECOVERED - was taken down of the MSO in Cape? Jason 22-788 has the better record IN	150387	Yes
MISO 101	2011-2013	Asal (Cape)	Jason 22-581 NMAO 2011	Jason 22-728 NMAO 2013	RECOVERED	150387	Yes
MISO 101	2010-2011	Asal (Vant)	Jason 22-520 NMAO 2010	Jason 22-581 NMAO 2011	RECOVERED - was taken down of the MSO in Cape? Jason 22-581 has the better record IN	150387	Yes
MISO 101	2008-2007	Asal (Cape)	ROPOS R1019 NMAO 2008	Jason 22-289 NMAO 2007	ROPOS R1019 NMAO 2008	150387	Yes
MISO 101	2011-2014	Asal (Cape)	Jason 22-728 (2014)	Jason 22-788 (2014)	RECOVERED - IN NEWPORT	150387	Yes
MISO 101	2011-2012	Asal (Virt)	Jason 22-580 NMAO 2011	Jason 22-660 NMAO 2012	RECOVERED	150387	Yes
MISO 101	2007-2010	Asal (Cape)	Jason 22-289 NMAO 2007	Jason 22-520 NMAO 2010	Good data for 3 years! Temp increased from 240-260	150387	Yes
MISO 101	2008-2007	Asal (Cape)	ROPOS R1019 NMAO 2008	Jason 22-289 NMAO 2007	ROPOS R1019 NMAO 2008	150387	Yes
MISO 101	2014	Asal (Cape)	Jason 22-788 (2014)		DEPLOYED IN 2014	150387	Yes
MISO 101	2012-2013	Asal (Trawl)	Jason 22-461 NMAO 2012	Jason 22-730 NMAO 2013	RECOVERED	150387	Yes
MISO 101	2010-2011	Asal (Cape)	Jason 22-520 NMAO 2010	Jason 22-581 NMAO 2011	Data during April 2011 event.	150387	Yes
MISO 101	2008-2007	Asal (Virt)	ROPOS R1019 NMAO 2008	Jason 22-289 NMAO 2007	Steady for first half, then variable.	150387	Yes
MISO 101	2014	Asal (Vant)	Jason 22-788 (2014)		DEPLOYED IN 2014	150387	Yes
MISO 101	2012-2013	Asal (Virt)	Jason 22-460 NMAO 2012	Jason 22-728 NMAO 2013	RECOVERED	150387	Yes
MISO 101	2011-2011	Asal (Dred)	Jason 22-521 NMAO 2011	Jason 22-581 NMAO 2011	Data (1 step) during April 2011 event.	150387	Yes
MISO 101	2007-2010	Asal (Cape)	Jason 22-289 NMAO 2007	Jason 22-520 NMAO 2010	Linear increase from 204-304 over 1.5 years.	150387	Yes
MISO 101	2013-2014	Asal (Cape)	Jason 22-790 (2014)	Jason 22-788 (2014)	RECOVERED - IN NEWPORT	150387	Yes
MISO 101	2010-2011	Asal (Cape)	Jason 22-520 NMAO 2010	Jason 22-581 NMAO 2011	RECOVERED - fell out of vent before 2011 event?	150387	Yes
MISO 101	2007-2010	Asal (Vant)	Jason 22-289 NMAO 2007	Jason 22-520 NMAO 2010	Steady 301-303 for a little over 1 yr.	150384	Yes
MISO 101	2011-2012	Asal (Dred)	Jason 22-728 NMAO 2011	Jason 22-788 NMAO 2012	RECOVERED - IN NEWPORT	150384	Yes
MISO 101	2011-2012	Asal (Trawl)	Jason 22-461 NMAO 2011	Jason 22-661 NMAO 2012	Bought from Forrest in 2011.	150384	Yes
MISO 101	2011-2013	Asal (Cape)	Jason 22-581 NMAO 2011	Jason 22-728 NMAO 2013	Bought from Forrest in 2011.	150384	Yes
MISO 101	2011-2013	Asal (Cape)	Jason 22-581 NMAO 2011	Jason 22-728 NMAO 2013	RECOVERED - IN NEWPORT	150384	Yes
MISO 101	2011	Asal (Vant)	Jason 22-581 NMAO 2011	LOST in 2013.	LOST?	150384	Yes

Notes:

In 1998, 4 HOBOS were bought for OSU (for Cleft) and 4 were bought for NOAA (for Axial)

These were numbers 128, 129, 130, 132, and 133, 134, 136, 137

In 2002, 2 more HOBOS were bought for OSU

These were numbers 150 and 151. Not sure where 126 and 127 came from (Moyer?)

In 2005, 4 HOBOS were repaired (132, 133, 134, 151) and converted to MISOs (101, 102, 103, 104)

In 2006, 2 HOBOS were repaired (128, 152) and converted to MISOs (129, 130). HOBO 127 was melted beyond repair.

In 2011, HOBO 137 was sent back to Fornair and retired, and 3 new MISOs were bought from Fornari (135, 141, 147).

In 2015, MISOs 130 and 135 were lost during a dead vehicle Jason recovery at the end of dive J2-823, ~450 m south of Bag City benchmark toward S. Pillow Mound - around 45.91253, -129.9908