

Transit_Volcano			DSSVPD Mapping Acquisition Log										Data Processing Log				
Date	Time (UTC)	Line	Depth	SV used	LAT	LON	COG [deg]	SOG [m/s]	Actions	Mapper	Notes	KMALL Copied	QIMERA Cleaned	ALL Converted	FMGT BS Mosaic	FMWV WCI	
5/11/2019	05:34:00 AM	0000	1715	1542.3					Turn on Sonar, BIST TEST, Added SVP	Cassie	SVP: WOA09_20190511.asvp, SV profile = 1541.8, Depth Setting = "Medium" (not "Auto"), Sector Coverage = +/-50 deg (AUTO)	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	05:54:00 AM	0001								Masa	Weather: Sunny and Calm Sea State.	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	06:34:00 AM	0002	1830	1542.1						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	07:04:00 AM	0003	2190	1542.3						Cassie / Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	07:34:00 AM	0004										YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	08:04:00 AM	0005	1215	1542.1						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	08:34:00 AM	0006	730	1542.2	14:01.8N	145:01.0E	134	5.3		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	09:04:00 AM	0007	866	1542.1	13:58.4N	145:04.8E	131	5.3	Turn off Sonar	Cassie / Masa	0910AM: Turn off EM124, because ping intervals are < 2 sec (too high rate). Basically when depth is deeper than 1500 m, EM124 will be turn on again.	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	10:38:00 AM	0008	2003	1541.9					Turn on Sonar	Cassie	Turned sonar back on.	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	11:08:00 AM	0009	2330	1541.7						Cassie / Masa	Depth Setting = "Deeper" (<= "Medium") Rough Sea State, so data is noisy	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	11:38:00 AM	0010	2388	1541.6	13:41.6N	145:24.2E	133	5.2		Masa	1143AM: Depth Setting = "Deeper" still ("Auto" does not work well...)	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	12:08:00 PM	0011	2776	1541.5			130	5.4		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	12:38:00 PM	0012									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	01:08:00 PM	0013									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	01:38:00 PM	0014									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	02:08:00 PM	0015									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	02:38:00 PM	0016									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	03:08:00 PM	0017									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	03:38:00 PM	0018									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	04:08:00 PM	0019									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	04:38:00 PM	0020									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	NO	
5/11/2019	05:08:00 PM	0021									Cannot make dynamic surface. No useful data. Nobody operates EM124 at night.	-	-	-	-	-	
5/11/2019	05:38:00 PM	0022									No useful data. Nobody operates EM124 at night (AUTO).	-	-	-	-	-	
5/11/2019	06:08:00 PM	0023									No useful data. Nobody operates EM124 at night (AUTO).	-	-	-	-	-	
5/11/2019	06:38:00 PM	0024									No useful data. Nobody operates EM124 at night (AUTO).	-	-	-	-	-	
5/11/2019	07:08:00 PM	0025									No useful data. Nobody operates EM124 at night (AUTO).	-	-	-	-	-	
5/11/2019	07:38:00 PM	0026									No useful data. Nobody operates EM124 at night (AUTO).	-	-	-	-	-	
5/11/2019	08:08:00 PM	0027									No useful data. Nobody operates EM124 at night (AUTO).	-	-	-	-	-	
5/11/2019	08:38:00 PM	0028									No useful data. Nobody operates EM124 at night (AUTO).	-	-	-	-	-	
5/11/2019	09:08:00 PM	0029									No useful data. Nobody operates EM124 at night (AUTO).	-	-	-	-	-	
5/11/2019	09:48:00 PM	0030							Turn on Sonar		Sonar Troubles.	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/11/2019	10:21:00 PM	0031	5236	1541.8	12:26.2N	146:51.1E	131	5.4	Turn on Sonar	Cassie	Turned sonar back on. Depth Setting = "Deep" ## Seamount (> 1000 m height)	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/11/2019	10:51:00 PM	0032	5303	1541.8						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/11/2019	11:21:00 PM	0033	5345	1541.8						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/11/2019	11:51:00 PM	0034	5370	1541.9			133	5.2		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	12:21:00 AM	0035	5430	1541.9	12:14.4N	147:03.9E	133	5.1		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	12:51:00 AM	0036	5514	1542			131	5		Masa	Depth Setting = "Deeper"	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	01:21:00 AM	0037	5552	1542	12:06.5N	147:13.1E	130	5.2		Masa	## Two Mounds?	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	01:51:00 AM	0038	5556	1542.2						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	02:21:00 AM	0039	5562	1542.3			130	5.3		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	02:51:00 AM	0040	5582	1542.3						Masa	## Seafloor is so flat...	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	03:21:00 AM	0041	5582	1542.3	11:54.6N	27:26.90E	132	5.2		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	03:51:00 AM	0042	5582	1542.3						Cassie / Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	04:21:00 AM	0043	5627	1542.3			131	5.2		Cassie / Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	04:51:00 AM	0044	5632	1542.3						Cassie / Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	05:21:00 AM	0045	5604	1542.4	11:40.9N	147:42.6E	131	5.1		Cassie / Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	05:51:00 AM	0046	5626	1542.3						Cassie / Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	06:21:00 AM	0047	5744	1542.6	11:34.5N	147:49.8E	131	5		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	06:51:00 AM	0048	5724	1542.3			130	5		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	
5/12/2019	07:21:00 AM	0049										YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-	

5/12/2019	07:51:00 AM	0050	5749	1542.4						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	08:21:00 AM	0051									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	08:51:00 AM	0052									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	09:21:00 AM	0053									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	09:51:00 AM	0054									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	10:21:00 AM	0055									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	10:51:00 AM	0056									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	11:21:00 AM	0057									Nobody operates EM124 at night (AUTO). ## Seamount	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	11:51:00 AM	0058									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	12:21:00 PM	0059								Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	12:51:00 PM	0060	5832	1542.4	10:50.6N	148:40.0E	131	5.2		Masa	Temporary maximum stbd swath angle = 70 degree. ## Seamount	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	01:21:00 PM	0061	5769	1542.3	10:47.4N	148:43.2E	132	5.3		Masa	Maximum stbd swath angle = 50 degree again.	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	01:51:00 PM	0062	5746	1542.3						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	02:21:00 PM	0063									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	02:51:00 PM	0064									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	03:21:00 PM	0065									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	03:51:00 PM	0066									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	04:21:00 PM	0067									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	04:51:00 PM	0068									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	05:21:00 PM	0069									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	05:51:00 PM	0070									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	06:21:00 PM	0071									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	06:51:00 PM	0072									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	07:21:00 PM	0073									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	07:51:00 PM	0074									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	08:21:00 PM	0075									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	08:51:00 PM	0076									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	09:21:00 PM	0077									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	09:51:00 PM	0078									Nobody operates EM124 at night (AUTO).	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	10:21:00 PM	0079										YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	10:51:00 PM	0080										YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	11:21:00 PM	0081										YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/12/2019	11:51:00 PM	0082	5259	1542.7	09:33.7N	150:07.7E	131	5.3		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	12:21:00 AM	0083	5209	1542.7						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	12:51:00 AM	0084	5183	1542.7						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	01:21:00 AM	0085	5129	1542.6						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	01:51:00 AM	0086					131	5.3		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	02:21:00 AM	0087	4857	1542.8	09:17.4N	150:25.4E	161	5.7		Masa	Change of Course: 160 degree (from 130 degree) ## Seafloor is rocky...	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	02:51:00 AM	0088	4507	1542.9	09:12.4N	150:27.3E	159	5.8		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	03:21:00 AM	0089								Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	03:51:00 AM	0090	3969	1543.4	08:57.7N	150:32.9E	159	5.7		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	04:21:00 AM	0091	3892	1543.5	08:56.9N	150:33.2E	160	5.8		Masa	Depth Setting = "Deep" (from "Deeper")	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	04:51:00 AM	0092	3714	1543.4						Masa	## Mounds	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	05:21:00 AM	0093	3930	1543.4						Masa	## Mounds	YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	05:51:00 AM	0094	3961	1543.4						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	06:21:00 AM	0095	4048	1543.7	08:36.0N	150:41.3E	159	5.6		Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	06:51:00 AM	0096	4403	1543.8						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-
5/13/2019	07:21:00 AM	0097	4445	1543.4						Masa		YES	YES (Transit_Volcano_CUBE_100m)	YES	NO	-

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