

Back2Tonga			DSSVPD Mapping Acquisition Log										Data Processing Log				
Date	Time (UTC)	Line	Depth	SV used	LAT	LON	COG [deg]	OG [m/s]	Actions	Mapper	Notes	KMALL Copied	QIMERA Cleaned	ALL Converted	FMGT BS Mosaic	FMMW WCI	
6/3/2019	09:20:00 AM	0000	1664	1534.5	21:18.25	74:41.4W	161	5.2		Masa	Started new survey "Back2Tonga". SVP: WOA09_20190603.asvp, SV profile = 1534.2	YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	09:50:00 AM	0001	1674	1534.4						Masa	Depth Setting = "Shallow", Sector Coverage = 50/50 deg.	YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	10:20:00 AM	0002	2061	1534.4	21:27.55	74:40.7W	180	5.2		Masa	Changed Depth Setting to "Medium" and Sector Coverage to 40/40 deg, respectively.	YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	10:50:00 AM	0003	2443	1534.2						Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	11:20:00 AM	0004	2767	1534.2	21:35.35	74:40.5W	179	5.1		Masa	Sea State is a little bit rough, so data quality is not so good...	YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	11:50:00 AM	0005								Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	12:20:00 PM	0006								Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	12:50:00 PM	0007	3603	1534			181	5.1		Masa	Changed Depth Setting to "Deep".	YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	01:20:00 PM	0008	3609	1534	21:53.95	74:40.3W	180	4.9		Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	01:50:00 PM	0009	3605							Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	02:20:00 PM	0010								Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	02:50:00 PM	0011								Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	03:20:00 PM	0012	4369	1533.8						Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	03:50:00 PM	0013	4502	1533.9						Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	04:20:00 PM	0014	4864	1534	22:27.55	74:40.1W	178	5.3		Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	04:50:00 PM	0015	5181	1533.8	22:30.65	74:40.1W	180	5.2		Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	05:20:00 PM	0016	5691							Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	05:50:00 PM	0017								Masa		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	06:20:00 PM	0018								Cassie		YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	06:50:00 PM	0019							Change line	Cassie	Changed Depth Setting to "VeryDeep".	YES	YES (Transit2Tonga_CUBE_100m)	NO	NO	-	
6/3/2019	07:01:00 PM	0020								Cassie	Survey around Horizon Deep in Tonga Trench	YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/3/2019	07:31:00 PM	0021								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/3/2019	08:01:00 PM	0022								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/3/2019	08:31:00 PM	0023								Cassie	SVP: WOA09_20190603_2.asvp, SV profile = 1531.8	YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/3/2019	09:01:00 PM	0024								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/3/2019	09:31:00 PM	0025								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/3/2019	10:01:00 PM	0026								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/3/2019	10:31:00 PM	0027								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/3/2019	11:01:00 PM	0028								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/3/2019	11:31:00 PM	0029								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	12:01:00 AM	0030								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	12:31:00 AM	0031								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	01:01:00 AM	0032								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	01:31:00 AM	0033								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	02:01:00 AM	0034								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	02:31:00 AM	0035								Cassie	Not Used in CUBE Surface	YES	NO	NO	NO	-	
6/4/2019	03:01:00 AM	0036								Cassie	Not Used in CUBE Surface	YES	NO	NO	NO	-	
6/4/2019	03:31:00 AM	0037								Cassie	Not Used in CUBE Surface	YES	NO	NO	NO	-	
6/4/2019	04:01:00 AM	0038								Cassie	Not Used in CUBE Surface	YES	NO	NO	NO	-	
6/4/2019	04:31:00 AM	0039								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	05:01:00 AM	0040								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	05:31:00 AM	0041								Cassie	Set Sector Coverage as 73/73 deg, but actual is 54/53 deg...	YES	NO	NO	NO	-	
6/4/2019	05:47:00 AM	0042								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	06:17:00 AM	0043								Masa	Changed Sector Coverage to 45/45 deg.	YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	06:47:00 AM	0044	8499	1532.3	23:32.55	74:42.1W	30	4.3		Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-	
6/4/2019	07:17:00 AM	0045	8507	1532.5						Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-	

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6/4/2019	07:47:00 AM	0046	8283	1533.3	23:24.35	74:37.7W	27	4.2		Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	08:17:00 AM	0047	8337	1533.4						Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	08:47:00 AM	0048								Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	09:17:00 AM	0049								Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	09:47:00 AM	0050	8888	1533.1						Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	10:17:00 AM	0051	8954	1532.9	23:06.35	74:28.3W	24	4.4		Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	10:47:00 AM	0052	8982	1532.9	23:02.75	74:27.5W		4.7		Masa	Turning to Lander point.	YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	11:17:00 AM	0053	9715							Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	11:47:00 AM	0054	9739	1532.7	23:07.25	74:34.4W	225	3.5		Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	12:17:00 PM	0055	10126							Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	12:47:00 PM	0056								Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/4/2019	01:17:00 PM	0057	10814	1533	23:15.25	74:44.3W	242	3.9	Turn off Sonar	Masa	Reduced Vessel Speed, and Stopped at Lander point (23:15.69S, 174:44.45W, 10822 m) at 0136UTC.	YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	07:37:00 AM	0058							Turn on Sonar	Cassie	SVP: WOA09_20190603_2.asvp, SV profile = 1531.8 Seastate is still good, after submersible dive.	YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	08:07:00 AM	0059	9315		23:28.25	74:44.2W	177	5.3		Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	08:37:00 AM	0060	8610	1532.7	23:31.65	74:44.0W	178	5.2		Masa	SVP: WOA09_20190605.asvp, SV profile = 1531.8	YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	09:07:00 AM	0061	7638	1532.3	23:36.15	74:41.2W	106	5.3		Masa	Turning to the next line.	YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	09:37:00 AM	0062	7336	1532.9	23:35.65	74:37.7W	22	5.3		Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	10:07:00 AM	0063	7333	1533.1						Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	10:37:00 AM	0064	7275	1533.1	23:28.05	74:33.9W	25	5.4		Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	11:07:00 AM	0065								Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	11:37:00 AM	0066	7595	1533	23:19.15	74:29.4W	24	5.1		Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	12:07:00 PM	0067								Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	12:37:00 PM	0068	7400	1532.9						Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	01:07:00 PM	0069					25			Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	01:37:00 PM	0070	7249	1532.9	23:03.95	74:20.8W	-	4.5		Masa	Turning to the next line.	YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	02:07:00 PM	0071	6985	1532.8	23:07.95	74:18.9W	206	5.2		Masa		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	02:37:00 PM	0072	6818	1532.9	23:12.85	74:21.8W	-	5.2		Masa	Turning to the Lander point.	YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	03:07:00 PM	0073	7397	1532.9	23:09.55	74:24.4W	316	4.9	Turn off Sonar	Masa	Reduced Speed, and Stopped to deploy Lander at (23:07.70S, 174:26.06W, 7941).	YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	05:57:00 PM	0074							Turn on Sonar	Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	06:27:00 PM	0075								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	06:57:00 PM	0076								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	07:27:00 PM	0077								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	07:57:00 PM	0078								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	08:27:00 PM	0079								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	08:57:00 PM	0080								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	09:27:00 PM	0081								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	09:57:00 PM	0082								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	10:27:00 PM	0083								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	10:57:00 PM	0084								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	11:19:00 PM	0085							Split line	Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/5/2019	11:49:00 AM	0086								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-
6/6/2019	12:19:00 AM	0087								Cassie		YES	YES (Tonga_CUBE_200m)	NO	NO	-