

Collection of Sakurajima volcanic eruption echoes in 2018 observed with an X-band marine radar.

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Bold: Typical eruptions (Subjective), *: Reanalysis data

Exp: Explosive eruption, Time: Eruption on time

Height: Eruption column top height, Dir: Direction of eruption cloud

Ejecta: Number shows the relative distance to the vent (5: halfway, 10: vet, x: unknown)

Pic: Camera image of MLIT

Ku: Kuband radar data of MRI

N0	Exp	File name	Time (LST)	Height (km)	Dir	Ejecta	Rain	Pic	Ku
1	1	ani01_20180411_17221187_17364883	17:22	1000	E	x			○
2*		ani02_20180416_13230022_13345898	13:23	2500	SE	x		○	○
3	2	ani03_20180422_00380067_00465990	00:38	2100	T	5		○	
4		ani04_20180422_11440114_11595992	11:44	1600	N	-			
5*	3	ani05_20180423_05460074_05545997	05:46	2800	NE	8		○	
6	4	ani06_20180425_08260035_08311055	08:26	1800	SE	x			
7		ani07_20180425_14500066_14595918							
8	5	ani08_20180426_00484085_00595942	00:48	x	x	x		○	
9		ani09_20180426_11160121_11264832	11:16	2000	T	-		○	
10	6	ani10_20180426_23273045_23465416	23:27	2100	E	4			
11	7	ani11_20180427_01555111_02195890	01:55	>200	NE	7			
12		ani12_20180427_07180076_07355978	07:18	1900	SE	-			
13*	8	ani13_20180428_07090024_07135936	07:08	2400	SW	-			
14	9	ani14_20180428_20160033_20255913	20:15	1700	T				
15	10	ani15_20180428_23513940_00095896	23:51	1100	T	-			
16	11	ani16_20180429_11143037_11243815	11:14	1800	NE	-		○	
17*	12	ani17_20180429_21130036_21295897	21:13	2600	NE	6		○	
18	13	ani18_20180430_20354009_20495887	20:35	1500	SE	8	○		
19	14	ani19_20180501_01531361_02045934	01:53	1800	E	-			
20	15	ani20_20180502_06450085_06582835	06:45	x	x	x	○		
21	16	ani21_20180503_08402913-08481716 Animation_2	08:40	1500	SE	-			
22*	17	ani22_20180504_22090043-22185903	22:09	2800	SE	5		○	
23	23	ani23_20180505_14390048-14959999	14:39	1600	E				
24*	18	ani24_20180510_19220066-19315847	19:22	2800	S	8		○	
25	19	ani25_20180511_08551617-09065945	08:55	1900	NW	-			

N0	Exp	File name	Time (LST)	Height (km)	Dir	Ejecta	Rain	Pic	Ku
26	20	ani26_20180511_12023863-12095447	12:02	1300	NE	-			
27*	21	ani27_20180512_11512349-11574196	11:51	2500	N	-		○	
28	22	ani28_20180512_21395078-21433419	21:38	300	N?	7			
29	23	ani29_20180513_12570240-13033043	12:57	1100	E	x			
30	24	ani30_20180514_00425687-00471407	00:42	1800	SE	9			
31	25	ani31_20180514_06571716-07013539	06:57	1900	SE	x			
32	26	ani32_20180514_09221328-09253132	09:22	2200	SE	x		○	
33	27	ani33_20180514_17414101-17444458	17:41	1500	S	-			
34	28	ani34_20180514_20483575-20513965	20:48	2000	S	8			
35*	29	ani35_20180515_08083441-08300012	08:08	2500	T	-			
36*	30	ani36_20180515_15124524-15320912	15:13	2700	T	-		○	
37	31	ani37_20180516_22201561-22310420	22:20	2200	NE	7		○	
38	32	ani38_20180517_10141926-10242072	10:14	1000	E	x			
39	33	ani39_20180518_03082517-03144879	03:08	x	x	x			
40		ani40_20180518_16282774_16342457	16:28	1200	SE	x			
41	34	ani41_20180519_13125328_13244350	13:12	1900	SE	x			
42	35	ani42_20180520_00455444_00591530	00:45	800	T	6			
43	36	ani43_20180520_02091671_02242535	02:08	1300	E	9		○	
44*	37	ani44_20180520_04095977_04210579	04:09	300	T	6			
45	38	ani45_20180521_09103288_09110979	09:10	700	W	x	○		
46	39	ani46_20180522_04455750_04484356	04:45	1500	W	5		○	
47*	40	ani47_20180522_19485872_20034874	19:48	-	-	5			
48	41	ani48_20180523_23582126_00051528	23:58	1900	SE	5			
49	42	ani49_20180524_15343115_15403556	15:34	2000	SW	-			
50*	43	ani50_20180524_19374913_19504402	19:37	3200	SW	5		○	
51	44	ani51_20180525_10430849_10480036	10:43	1800	N	-			
52*	45	ani52_20180525_13260046_13345904	13:26	3000	NE	6		○	
53	46	ani53_20180525_19000489-19163618	19:00	3000	N	8			
54		*ani54_20180525_22011483-22065414	22:01	2200	NE		○		○
55*	47	*ani55_20180529_03343500-03545414 Animation_1	03:34	2500	T	6			○
56*		*ani56_20180530_08010768-08211578	08:01	2500	E				
57	48	*ani57_20180531_11454884-11490928	11:45	1700	SE	-	○		
A0		aniA0_20180228_22300062-22495890 Animation_3	22:30	<2000	E		○		