

Auroral Monitoring Observation at Syowa Station, Antarctica
 Observation site geographical location: Latitude: S69° 00'.323 (−69.0054 deg), Longitude: E 39° 35'.094 (39.5849 deg)

Syowa Station EAI-1 operation log													
JARE	year	start date	end date	Filter (nm)	FWHM (nm)	shot start (ss) (UT)	exposure (sec)	interval (sec)	camera gain	Binning	pixels	pixel (bit)	remark
52	2011	03/01	10/13	427.8	3.0	00/30	12	30	Super high	1x1	512x512	16	
53	2012	02/26	03/04	427.8	3.0	00/30	12	30	Super high	1x1	512x512	16	
53	2012	03/05	03/11	557.7	3.0	00/30	12	30	High	1x1	512x512	16	filter&gain change
53	2012	03/12	10/15	557.7	3.0	00/15/30/45	7	15	High	1x1	512x512	16	exp&intv change
54	no observation because the CCD camera was returned back to Japan for repairing												
55	2014	02/26	05/04	557.7	3.0	00/15/30/45	1	15	Super high	1x1	512x512	16	
55	2014	05/05	10/15	427.8	3.0	00/15/30/45	7	15	Super high	1x1	512x512	16	filter&gain change due to EAI-2 CCD trouble
56	2015	02/26	10/15	427.8	3.0	00/15/30/45	7	15	Super high	1x1	512x512	16	
57	2016	03/01	10/15	427.8	3.0	00/15/30/45	7	15	Super high	1x1	512x512	16	
58	2017	02/25	03/08	427.8	3.0	00/15/30/45	7	15	Super high	1x1	512x512	16	
58	2017	03/09	10/15	427.8	3.0	00/15/30/45	2	15	Super high	1x1	512x512	16	exp.time change
59	2018	02/26	10/13	427.8	3.0	00/15/30/45	2	15	Super high	1x1	512x512	16	
60	2019	02/25	10/6	427.8	3.0	00/15/30/45	2	15	Super high	1x1	512x512	16	
61	2020	02/28	10/15	427.8	3.0	00/15/30/45	2	15	Super high	1x1	512x512	16	
62	2021	02/25	10/15	427.8	3.0	00/15/30/45	2	15	Super high	1x1	512x512	16	
63	2022	03/01	10/15	427.8	3.0	00/15/30/45	2	15	Super high	1x1	512x512	16	

Syowa Station EAI-2 operation log													
JARE	year	start date	end date	Filter (nm)	FWHM (nm)	shot start (ss) (UT)	exposure (sec)	interval (sec)	camera gain	Binning	pixels	pixel (bit)	remark
53	2012	03/05	03/11	427.8	3.0	00/30	12	30	Super high	1x1	512x512	16	
53	2012	03/12	10/15	427.8	3.0	00/15/30/45	7	15	Super high	1x1	512x512	16	exp&intv change
54	2013	02/25	10/15	427.8	3.0	00/15/30/45	7	15	Super high	1x1	512x512	16	
55	2014	02/28	05/04	427.8	3.0	00/15/30/45	7	15	Super high	1x1	512x512	16	
55	2014	05/05	05/07	557.7	3.0	00/15/30/45	7	15	High	1x1	512x512	16	filter&gain change due to EAI-2 CCD trouble
55	2014	05/08	10/15	557.7	3.0	00/15/30/45	3	15	High	1x1	512x512	16	exp. change
56	2015	02/26	10/15	557.7	3.0	00/15/30/45	3	15	High	1x1	512x512	16	
57	2016	03/01	10/15	557.7	3.0	00/15/30/45	3	15	High	1x1	512x512	16	
58	2017	02/25	03/08	557.7	3.0	00/15/30/45	3	15	High	1x1	512x512	16	
58	2017	03/09	10/15	557.7	3.0	00/15/30/45	2	15	High	1x1	512x512	16	exp.time change
59	2018	02/26	10/13	557.7	3.0	00/15/30/45	2	15	High	1x1	512x512	16	
60	2019	02/25	10/6	557.7	3.0	00/15/30/45	2	15	High	1x1	512x512	16	
61	2020	02/28	10/15	557.7	3.0	00/15/30/45	2	15	High	1x1	512x512	16	
62	2021	02/25	10/15	557.7	3.0	00/15/30/45	2	15	High	1x1	512x512	16	
63	2022	02/25	10/15	557.7	3.0	00/15/30/45	2	15	High	1x1	512x512	16	
64	2023	02/25	10/15	557.7	3.0	00/15/30/45	2	15	High	1x1	512x512	16	

Syowa Station PAI-1 operation log													
JARE	year	start date	end date	Filter (nm)	FWHM (nm)	shot start (ss) (UT)	exposure (sec)	interval (sec)	camera gain	Binning	pixels	pixel (bit)	remark
51	2010	03/01		485.0	3.0	00/60	50	60	255	2x2	256x256	12	
53	2012	10/13	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	exp&intv&bin change
54	2013	02/25	07/11	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	07/13 PC down
55	2014	02/26	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	exchange to new PC
56	2015	02/26	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
57	2016	03/01	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
58	2017	02/25	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
59	2018	02/26	10/13	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
60	2019	02/25	10/6	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
61	2020	02/28	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
62	2021	02/25	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
63	2022	02/25	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
64	2023	02/25	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	

Syowa Station PAI-2 operation log													
JARE	year	start date	end date	Filter (nm)	FWHM (nm)	shot start (ss) (UT)	exposure (sec)	interval (sec)	camera gain	Binning	pixels	pixel (bit)	remark
54	2013	02/25	07/13	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
54	2013	07/14	10/15	485.0	3.0	00/15/30/45	7	15	255	8x8	64x64	12	filter change
55	2014	02/25	10/15	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	filter change
56	2015	02/26	10/15	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
57	2016	03/01	10/15	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
58	2017	02/25	10/15	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
59	2018	02/26	10/13	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
60	2019	02/25	10/6	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
61	2020	02/28	10/15	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
62	2021	02/25	10/15	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
63	2022	02/25	10/15	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	
64	2023	02/25	10/15	480.5	3.0	00/15/30/45	7	15	255	8x8	64x64	12	