

Instruments (Aerological Observation at Syowa Station)

YEAR	Ground Equipment		Radiosonde	Balloon	Gas
1957					
1958					
1959	All Wave Radio Receiver (NMR-240A Collins type)	Theodolite with tripod	SIII-56	800g	H2 : Canned CaH2
1960	D55A (Similar type with GMD-1A)		RSII-56 SIII-56	800g	H2 : Canned CaH2 H2 Cylinder
1961	D55A (Similar type with GMD-1A)		RSII-56 SIII-56	800g	H2 : Canned CaH2 H2 Cylinder
1962					
1963					
1964					
1965					
1966	D55B	WIND ALOFT COMPUTER	RSII-64	600g	H2+N2 : Ammonia
1967	D55B	WIND ALOFT COMPUTER	RSII-64	600g	H2+N2 : Ammonia
1968	D55B	WIND ALOFT COMPUTER	RSII-64	800g	H2+N2 : Ammonia
1969	D55B	WIND ALOFT COMPUTER	RSII-68	800g	H2+N2 : Ammonia
1970	D55B	WIND ALOFT COMPUTER	RSII-69	800g	H2+N2 : Ammonia
1971	D55B	WIND ALOFT COMPUTER	RSII-69	800g	H2+N2 : Ammonia
1972	D55B	WIND ALOFT COMPUTER	RSII-69	800g	H2+N2 : Ammonia
1973	D55B	WIND ALOFT COMPUTER	RSII-69	800g	H2+N2 : Ammonia
1974	D55B	WIND ALOFT COMPUTER	RSII-69	800g	H2+N2 : Ammonia 10m3 Gas Tank
1975	D55B	WIND ALOFT COMPUTER	RSII-69	800g	H2+N2 : Ammonia 10m3 Gas Tank
1976	D55B-2	WIND ALOFT COMPUTER	RSII-69	800g	H2+N2 : Ammonia 10m3 Gas Tank
1977	D55B-2	HP-9820A	RSII-69A	600g	H2+N2 : Ammonia 10m3 Gas Tank
1978	D55B-2	HP-9820A	RSII-69A	600g	H2 : Methanol 10m3 Gas Tank
1979	D55B-2	HP-9820A	RSII-69A	600g	H2 : Methanol 10m3 Gas Tank
1980	D55B-2	HP-2113	RS2-78	600g	H2 : Methanol 10m3 Gas Tank
1981	D55B-2	HP-2113	RS2-78	600g	H2 : Methanol 10m3 Gas Tank
1982	D55B-2	HP-2113	RS2-78	600g	H2 : Methanol 10m3 Gas Tank
1983	D55B-2	HP-2113	RS2-78	600g	H2 : Methanol 10m3 Gas Tank
1984	D55B-2	HP-2113	RS2-78	600g	H2 : Methanol 10m3 Gas Tank
1985	D55B-2	HP-2113	RS2-78	600g	Helium Cylinder Cadre
1986	D55B-2	HP-2113	RS2-78	600g	Helium Cylinder Cadre
1987	D55B-2	HP-2113	RS2-80	600g	Helium Cylinder Cadre
1988	D55B-2	HP-2113	RS2-80	600g	Helium Cylinder Cadre
1989	D55B-2	MELCOM70C2	RS2-80	600g	Helium Cylinder Cadre
1990	D55B-2	MELCOM70C2	RS2-80	600g	Helium Cylinder Cadre
1991	D55B-2	MELCOM70C2	RS2-80	600g	Helium Cylinder Cadre
1992	MOR-22	MELCOM70C2	RS2-80	600g	Helium Cylinder Cadre
1993	MOR-22	PC-9801	RS2-80	600g	Helium Cylinder Cadre
1994	MOR-22	PC-9801	RS2-80	600g	Helium Cylinder Cadre
1995	MOR-22	PC-9801	RS2-91	600g	Helium Cylinder Cadre
1996	MOR-22	PC-9801	RS2-91	600g	Helium Cylinder Cadre
1997	MOR-22	PC-9801	RS2-91	600g	Helium Cylinder Cadre
1998	MOR-22	PC-9801	RS2-91	600g	Helium Cylinder Cadre
1999	MOR-22	PC-9801	RS2-91	600g	Helium Cylinder Cadre
2000	MOR-22	PC-9801	RS2-91	600g	Helium Cylinder Cadre
2001	MOR-22	PC-9801	RS2-91	600g	Helium Cylinder Cadre
2002	MOR-22	PC-9801	RS2-91	600/1200g	Helium Cylinder Cadre
2003	MOR-22	PC-9801	RS2-91	600/1200g	Helium Cylinder Cadre
2004	MOR-22	PC-9801	RS2-91	600/1200g	Helium Cylinder Cadre
2005	MOR-22	PC-9801	RS2-91	600/1200g	Helium Cylinder Cadre
2006	MOR-22	PC-9801	RS2-91	600/1200g	Helium Cylinder Cadre
2007	MOR-22	PC-9801	RS2-91(00UTC)	1200g	Helium Cylinder Cadre
		MGPS	RS-01GM(12UTC)	600g	
2008		MGPS	RS-01GM	600/1200g	Helium Cylinder Cadre
2009		MGPS	RS-01GM	600/1200g	Helium Cylinder Cadre
2010		MGPS	RS-01GM	600/1200g	Helium Cylinder Cadre
2011		MGPS	RS-01GM	600/1200g	Helium Cylinder Cadre

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2012	MGPS	RS-01GM	600g	Helium Cylinder Cadre
2013	MGPS	RS-01GM (from January to 11th March)	600g	Helium Cylinder Cadre
		RS-06G (from 12th March to December)		
2014	MGPS	RS-06G	600g	Helium Cylinder Cadre
2015	MGPS	RS-06G	600g	Helium Cylinder Cadre
2016	MGPS	RS-06G	600g	Helium Cylinder Cadre
2017	MGPS	RS-06G (all observations except for RS-11G)	600g	Helium Cylinder Cadre
	MGPS2	RS-11G (4 observations in November 2017)		
2018	MGPS	RS-06G (from January to 19th March)	600/1200g	Helium Cylinder Cadre
	MGPS2	RS-11G (from 20th March to December)		
2019	MGPS2	RS-11G	350/600/1200g	Helium Cylinder Cadre
2020	MGPS2	RS-11G	600/1200g	Helium Cylinder Cadre
2021	MGPS2	RS-11G	600/1200g	Helium Cylinder Cadre
2022	MGPS2	RS-11G	200/600/1200g	Helium Cylinder Cadre

From February 2007, ozonesondes were used for aerological observations. Please also refer to the ozonesonde instruments.