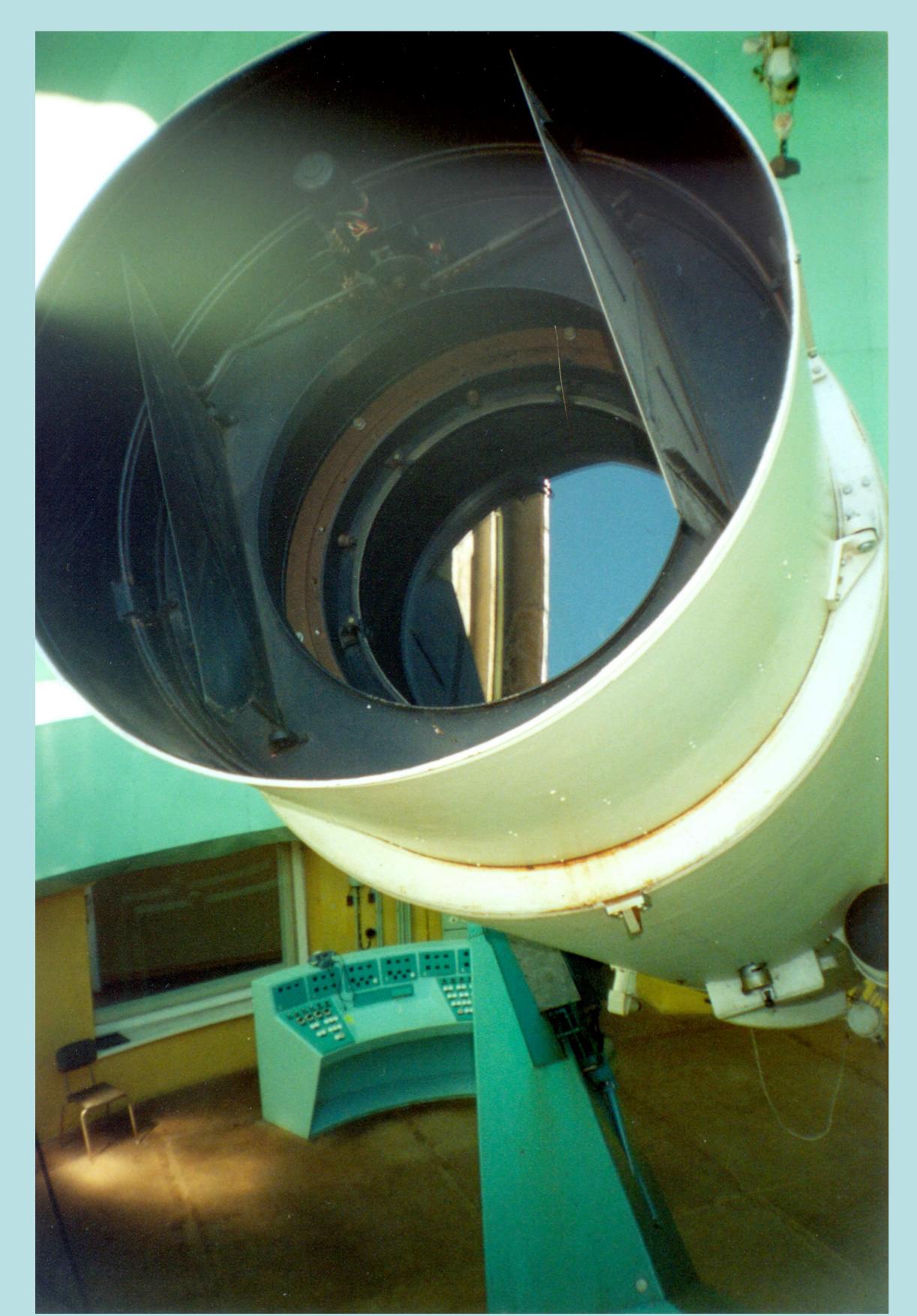
Digitized Schmidt telescope data in the path of the International Virtual Observatory

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Schmidt telescope (80/120/240 cm) of the Astrophysical Observatory of the Institute of Astronomy near Baldone town.

For more than 35 years (1967-2001) 25000 direct and objective prism photos, were obtained. The size of photos are 24 x 24 cm and their cover the field of 4° 46' in diameter.

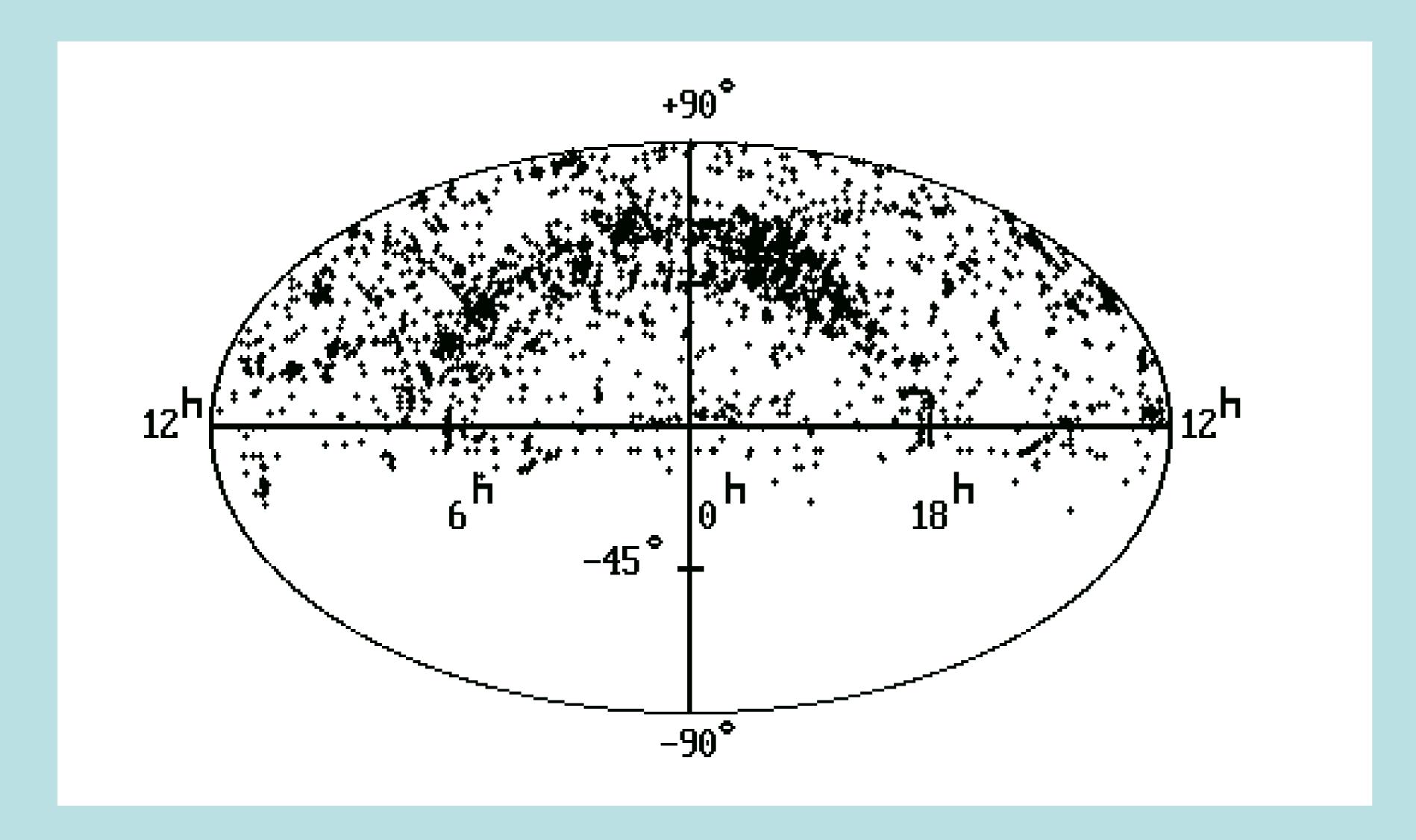
The digitization process was begun at 2012 with flat bed scanners Epson Expression 10000XL and Epson Expression 11000XL.



To the end of 2013 were scanned 4000 photo plates. The files of the digitized photos are saved on the external HDD. File formats TIFF and FITS are used to store the photos.

Next step would be copy the image files and electronic catalogue on the servers of the University of Latvia, create tools to analyze and visualization, make the website for using those tools through Internet in online mode. Doing it we need to follow the standards of the International Virtual Observatory Alliance, to provide astronomers with the seamless and transparent framework of the Latvian Virtual observatory.

To the end of digitization process foreign astronomers have access to those files via web. After it will be possible on ftp link (ftp.e-spiets.lv) using FileZilla or other ftp programs. The structure and contents of data base of Baldone archive of photos was discribed in paper by Alksnis et al. (Baltic Astronomy, Vol. 7, No. 4, 529-547, 1998).



The distribution of direct astrophotos of the archive on the celestial sphere.

The most frequently photographed sky objects (direct photos).							
Object	n	Object	n	Object	n	Object	r
CIT6	3131	KL Cyg	180	174,-7	107	RU Vir	
M31	665	90,+7	178	174,0	107	CRL 3116	
Tr 2	594	178,+7	175	174,+3.5	106	82,+3.5	
DY Per	415	NGC 7789	174	90,+1.3	105	Dol 2	
BC 56	345	IRC+20370	173	NGC 457	103	IC 1848	
NGC 1245	319	Com.Halley	171	SS Vir	98	Pluto	
NGC 1664	287	NGC 7419	169	BM Gem	96	82,-3.5	
90,-3.5	281	V CrB	165	NGC 1528	94	NML Tau	
IRC+10216	263	T Dra	144	NGC 1817	91	82,-7	
NGC 7063	258	IC 5146	142	174,-3.5	91	NGC 7654	
Stock 4	255	174,+7	139	CIT5	90	V Cyg	
86,+7	254	94,+3.5	133	94,-10.5	89	EU And	
AFGL 2881	246	94,0	133	NGC 2251	88	CT Vul	
NGC 6871	243	94,+7	129	NP Her	84	WX Cyg	
NGC 7128	231	90,+3.5	126	T Cnc+X Cnc	84	82,+10.5	
94,-3.5	227	NGC 1893	124	Gal. II	77	Gal. I	
86,-7	226	90,0	124	U Cyg	74	NGC 2129	
86,0	220	NGC 7092	123	Nova Cyg	73	86,-10.5	
178,-7	215	86,+10.5	121	U Lyr	72	Np Her+Ton2	
86,-3.5	213	90,-7	120	NGC 659	72	Com.Austin	
178,+3.5	204	94,+10.5	119	OW Aql	71	90,+10.5	
178,0	203	CT Lac	118	82,+7	69	Com.Hale-Bopp	
86,+3.5	201	94,-7	114	CIT5+1245	69	IRC+40070	
CIT6+SA54	199	92,+6.5	114	82,+0	69	Com.Crommelin	
178,-3.5	184	MQ Cyg	110	NGC 7031	68	RY Dra	