

Oberserved Sources

Astropeiler Stockert

Status as of Dezember 2012

Astropeiler Stockert e.V.

**Astropeiler Stockert 2-4
53902 Bad Münstereifel**

1 Overview of observed sources

This listing is intended to give an overview of the astronomical sources which have been observed since the re-commissioning of the Astropeiler Stockert and is intended to give an impression of the present capabilities.

1.1 Galactic Continuum Sources

- Cassiopeia A
- Taurus A
- Crab Nebula
- IC 443
- Tycho
- Sagittarius A
- Orion Nebula
- North America Nebula
- Omega Nebula
- Heart Nebula
- Rosetta Nebula
- 3C400
- Trifid Nebula
- Gamma Cygnus Nebula

1.2 Extragalactic Continuum Sources

- Cygnus A (3C405)
- Virgo A (3C274)
- Perseus A (3C84)
- 3C353
- Herkules A (3C348)
- 3C273
- 3C273
- 3C123
- 3C438
- 3C295
- 3C147
- 3C286
- 3C196
- 3C309.1

1.3 Neutral Hydrogen in our galaxis

- Spektra in the calactic plane
- Spektra towards various other locations such as the calibrations source S7

1.4 Radio-Recombination Lines

- Towards the Orion Nebula: $H\alpha_{166}$, $H\alpha_{167}$, $H\alpha_{168}$, $H\alpha_{169}$
- Towards the Omega Nebula: $H\alpha_{166}$, $H\alpha_{167}$, $H\alpha_{168}$, $H\alpha_{169}$
- Towards the Trifid Nebula: $H\alpha_{166}$

1.5 Pulsars

NAME	P0 (s)	DM (cm ⁻³ pc)	S1400 (mJy)
B0031-07	0.943	11.38	11.0
B0329+54	0.715	26.83	203.0
B0355+54	0.156	57.03	22.9
B0450+55	0.341	14.602	12.9
B0525+21	3.746	50.94	9.0
B0531+21	0.034	56.791	14.4
B0540+23	0.246	77.698	8.9
B0628-28	1.244	34.36	23.4
B0740-28	0.167	73.77	23.0
B0809+74	1.292	6.12	10.0
B0823+26	0.531	19.463	10.0
B0919+06	0.431	27.309	4.2
B0950+08	0.253	2.96	84.0
B1133+16	1.188	4.848	32.0
B1237+25	1.382	9.296	10.0
B1508+55	0.740	19.61	8.0
B1642-03	0.388	35.73	21.0
B1742-30	0.367	88.8	14.1
B1749-28	0.563	50.37	18.0
B1804-08	0.164	112.38	15.0
B1818-04	0.598	84.38	8.0
B1822-09	0.769	19.46	10.8
B1929+10	0.227	3.18	36.0
B1933+16	0.359	158.52	42.0
B1944+17	0.441	16.3	10.0
B1946+35	0.717	129.07	8.3
B2016+28	0.558	14.17	30.0
B2020+28	0.343	24.64	38.0
B2021+51	0.529	22.65	27.0
B2045-16	1.962	11.46	13.0
B2111+46	1.015	141.26	19.0
B2154+40	1.525	70.86	17.0
B2255+58	0.368	151.08	9.2
B2310+42	0.349	17.3	14.6
B2319+60	2.256	94.59	12.0

1.6 High Velocity Clouds

- HVC 90 +42
- HVC 129 +1
- HVC 131 +1
- HVC 155 +35
- HVC 165 +55
- HVC MI,1
- HVC 185 -11
- HVS 125 +41
- VHVC 110 -7

1.7 Hydrogen Spectra of other Galaxies

- Andromeda Galaxy
- Holmberg II (UGC4305)
- UGC 3851
- Messier 82 (UGC 5322)
- UGC 718

1.8 OH Maser

Source	Line
W3(OH)	OH 1665, OH 1667
G12.91-0.26	OH 1665, OH 1667
G48.80-0.13	OH 1665, OH 1667
OH008.344-01.002	OH 1612
OH21.05+0.5	OH 1612
OH26.5+0.6	OH 1612
OH30.1-0.7	OH 1612
OH39.7+1.5	OH 1612
OH80.8-0.13	OH 1612
OH104.9+2.4	OH 1612
OH127.8+00	OH 1612
W43A	OH 1612

1.9 Methanol Maser

At the 10m dish at 12 GHz:

- W3