

Таблица 4. Данные измерений РАТАН-600 в 1998–2023 гг. и РТ-32 в 2020–2023 гг. В колонках таблицы указаны: (1) — эпоха MJD, (2) — дата (гггг/мм/дд), (3) — число наблюдений N_{obs} , (4)–(9) — спектральные плотности потоков на частотах 21.7/22.3, 11.2, 7.7/8.2/8.63, 4.7/5.05, 2.3, 0.96/1.1/1.2 ГГц и их ошибки (Ян); (10) — название телескопа. Число N_{obs} указывается при наличии информации; для РТ-32 число наблюдений приведено для двух частот

MJD эпоха	Дата	N_{obs}	$S_{22} \pm \sigma_{22}$	$S_{11.2} \pm \sigma_{11.2}$	$S_8 \pm \sigma_8$	$S_5 \pm \sigma_5$	$S_{2.3} \pm \sigma_{2.3}$	$S_{1.1} \pm \sigma_{1.1}$	Телескоп
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
51079	1998/09/23		0.26 ± 0.04	0.28 ± 0.01	0.31 ± 0.02	0.33 ± 0.01	0.40 ± 0.08	0.59 ± 0.15	RATAN-600
52248	2001/12/05			0.74 ± 0.02	0.78 ± 0.06	0.74 ± 0.02	0.75 ± 0.10		RATAN-600
52405	2002/05/11		0.60 ± 0.09	0.75 ± 0.12	0.63 ± 0.06	0.57 ± 0.18			RATAN-600
52580	2002/11/02		0.75 ± 0.05	0.67 ± 0.03	0.63 ± 0.06	0.50 ± 0.06			RATAN-600
52744	2003/04/15		0.58 ± 0.12	0.55 ± 0.02	0.51 ± 0.04	0.49 ± 0.07			RATAN-600
52803	2003/06/13		0.66 ± 0.08	0.55 ± 0.03	0.49 ± 0.02	0.36 ± 0.02			RATAN-600
52865	2003/08/14		0.69 ± 0.08	0.54 ± 0.05	0.50 ± 0.04				RATAN-600
52920	2003/10/08			0.61 ± 0.07	0.49 ± 0.08	0.48 ± 0.02	0.69 ± 0.12		RATAN-600
53475	2005/04/15			1.33 ± 0.04	1.06 ± 0.04	0.91 ± 0.09			RATAN-600
53603	2005/08/21		1.13 ± 0.16	1.35 ± 0.18	0.93 ± 0.06	1.23 ± 0.07			RATAN-600
53888	2006/06/02		1.12 ± 0.08	1.50 ± 0.03	1.14 ± 0.18	1.16 ± 0.08			RATAN-600
54014	2006/10/06			1.88 ± 0.06	1.59 ± 0.30			1.86 ± 0.43	RATAN-600
54198	2007/04/08		1.44 ± 0.07	1.83 ± 0.06	1.76 ± 0.18	1.47 ± 0.09	1.24 ± 0.17	2.41 ± 0.40	RATAN-600
54340	2007/08/28		1.48 ± 0.10	1.39 ± 0.04	1.39 ± 0.14		0.83 ± 0.19		RATAN-600
54710	2008/09/01		1.71 ± 0.06	2.14 ± 0.05	2.02 ± 0.14	1.68 ± 0.09			RATAN-600
55236	2010/02/09		1.02 ± 0.15	1.71 ± 0.08	1.66 ± 0.10				RATAN-600
55425	2010/08/17		1.01 ± 0.12	1.34 ± 0.06	1.50 ± 0.14	1.48 ± 0.22			RATAN-600
55575	2011/01/14		1.11 ± 0.17	1.13 ± 0.05	1.20 ± 0.04	1.38 ± 0.05			RATAN-600
55607	2011/02/15		1.30 ± 0.13	1.28 ± 0.07	1.18 ± 0.18	1.13 ± 0.05			RATAN-600
55666	2011/04/15			1.63 ± 0.07	1.57 ± 0.06	1.36 ± 0.06			RATAN-600
55845	2011/10/11		0.93 ± 0.23	1.46 ± 0.07	1.35 ± 0.12	1.53 ± 0.06			RATAN-600
55918	2011/12/23		1.05 ± 0.09	1.16 ± 0.04	1.23 ± 0.04	1.26 ± 0.06			RATAN-600
55966	2012/02/09		0.97 ± 0.05	1.16 ± 0.04	1.13 ± 0.16	1.09 ± 0.03			RATAN-600
56215	2012/10/15		1.35 ± 0.14	1.14 ± 0.05	0.91 ± 0.08	0.74 ± 0.09			RATAN-600
56246	2012/11/15		1.17 ± 0.22	1.18 ± 0.03	1.10 ± 0.14	0.80 ± 0.08			RATAN-600
56269	2012/12/08		1.42 ± 0.17	1.25 ± 0.05	1.27 ± 0.06				RATAN-600
56317	2013/01/25		1.08 ± 0.11	1.23 ± 0.02	1.24 ± 0.08				RATAN-600
56672	2014/01/15		1.76 ± 0.18	1.76 ± 0.09	1.80 ± 0.10	1.39 ± 0.03			RATAN-600
56703	2014/02/15		1.91 ± 0.27	1.55 ± 0.07	1.44 ± 0.18	1.15 ± 0.06			RATAN-600
57034	2015/01/11	4	1.33 ± 0.11	1.42 ± 0.08		1.52 ± 0.03			RATAN-600
57092	2015/03/10	5	1.62 ± 0.13	1.75 ± 0.07		1.49 ± 0.05			RATAN-600
57122	2015/04/09	4	1.29 ± 0.13	1.50 ± 0.07		1.30 ± 0.05			RATAN-600
57153	2015/05/10	4	1.14 ± 0.11	1.03 ± 0.06		1.08 ± 0.05			RATAN-600
57183	2015/06/09	4	0.90 ± 0.10	1.11 ± 0.08		1.11 ± 0.05			RATAN-600
57214	2015/07/10	5	0.94 ± 0.10	0.97 ± 0.06		1.11 ± 0.05			RATAN-600
57274	2015/09/08	2	1.15 ± 0.10	1.04 ± 0.08		0.85 ± 0.05			RATAN-600
57305	2015/10/09	3	1.25 ± 0.10	1.08 ± 0.08		0.87 ± 0.05			RATAN-600
57336	2015/11/09	3	1.36 ± 0.10	0.70 ± 0.05		0.67 ± 0.05			RATAN-600

Таблица 4. (Продолжение)

MJD эпоха	Дата	N_{obs}	$S_{22} \pm \sigma_{22}$	$S_{11.2} \pm \sigma_{11.2}$	$S_8 \pm \sigma_8$	$S_5 \pm \sigma_5$	$S_{2.3} \pm \sigma_{2.3}$	$S_{1.1} \pm \sigma_{1.1}$	Телескоп
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
57367	2015/12/10	4	1.91 ± 0.15	1.29 ± 0.06		0.81 ± 0.05			RATAN-600
57398	2016/01/10	5	2.19 ± 0.15	1.59 ± 0.07		0.97 ± 0.05			RATAN-600
57429	2016/02/10	5	1.93 ± 0.10	1.63 ± 0.07		1.01 ± 0.05			RATAN-600
57458	2016/03/10	6	2.07 ± 0.15	1.84 ± 0.06		1.15 ± 0.05			RATAN-600
57519	2016/05/10	3	1.41 ± 0.10	1.28 ± 0.07		1.01 ± 0.05			RATAN-600
57550	2016/06/10	4	1.48 ± 0.15	1.10 ± 0.07		1.14 ± 0.05			RATAN-600
57580	2016/07/10	2	1.14 ± 0.10	0.93 ± 0.06		0.98 ± 0.05			RATAN-600
57640	2016/09/08	3	1.26 ± 0.10	1.18 ± 0.07		0.91 ± 0.05			RATAN-600
57674	2016/10/12	3	1.19 ± 0.10	1.03 ± 0.06		0.88 ± 0.05			RATAN-600
57703	2016/11/10	6	0.91 ± 0.10	0.96 ± 0.06		0.97 ± 0.05			RATAN-600
57733	2016/12/10	6	0.87 ± 0.10	0.79 ± 0.06		0.90 ± 0.05			RATAN-600
57762	2017/01/08	6	0.83 ± 0.10	0.77 ± 0.06		0.69 ± 0.04			RATAN-600
57795	2017/02/10	5	1.33 ± 0.10	0.79 ± 0.07		0.67 ± 0.03			RATAN-600
57823	2017/03/10	6	1.28 ± 0.10	0.95 ± 0.03		0.74 ± 0.04			RATAN-600
57854	2017/04/10	5	1.27 ± 0.10	0.99 ± 0.06		0.70 ± 0.04			RATAN-600
57884	2017/05/10	5	1.22 ± 0.15	0.93 ± 0.06		0.71 ± 0.04			RATAN-600
57915	2017/06/10	5	0.89 ± 0.10	0.82 ± 0.06		0.89 ± 0.05			RATAN-600
57945	2017/07/10	3		0.84 ± 0.06		0.89 ± 0.05			RATAN-600
58909	2020/03/01	43/–			1.02 ± 0.06				RT-32
58916	2020/03/08	62/42			0.95 ± 0.04	0.93 ± 0.08			RT-32
58923	2020/03/15	–/88				0.93 ± 0.04			RT-32
58937	2020/03/29	67/86			1.22 ± 0.14	0.92 ± 0.03			RT-32
58944	2020/04/05	61/60			1.02 ± 0.08	0.97 ± 0.03			RT-32
58951	2020/04/12	63/82			1.01 ± 0.06	0.95 ± 0.02			RT-32
58958	2020/04/19	62/86			1.12 ± 0.06	0.95 ± 0.02			RT-32
58965	2020/04/26	62/44			1.15 ± 0.06	0.98 ± 0.02			RT-32
58972	2020/05/03	47/82			1.12 ± 0.06	0.94 ± 0.02			RT-32
58979	2020/05/10	–/82				0.99 ± 0.02			RT-32
58986	2020/05/17	48/–			1.15 ± 0.06				RT-32
58993	2020/05/24	44/88			1.07 ± 0.06	0.98 ± 0.07			RT-32
59000	2020/05/31	62/44			1.12 ± 0.06	1.01 ± 0.02			RT-32
59006	2020/06/06	64/20			1.11 ± 0.06	1.02 ± 0.11			RT-32
59013	2020/06/13	–/44				1.03 ± 0.04			RT-32
59024	2020/06/24	65/118			1.17 ± 0.04	1.01 ± 0.05			RT-32
59030	2020/06/30	68/112			1.28 ± 0.06	1.12 ± 0.04			RT-32
59035	2020/07/05	45/–			1.29 ± 0.08				RT-32
59036	2020/07/06	–/110				1.10 ± 0.04			RT-32
59041	2020/07/11	64/–			1.18 ± 0.08				RT-32
59042	2020/07/12	–/86				1.04 ± 0.03			RT-32
59048	2020/07/18	44/–			1.09 ± 0.10				RT-32
59049	2020/07/19	–/44				0.99 ± 0.02			RT-32

Таблица 4. (Продолжение)

MJD эпоха	Дата	N_{obs}	$S_{22} \pm \sigma_{22}$	$S_{11.2} \pm \sigma_{11.2}$	$S_8 \pm \sigma_8$	$S_5 \pm \sigma_5$	$S_{2.3} \pm \sigma_{2.3}$	$S_{1.1} \pm \sigma_{1.1}$	Телескоп
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
59070	2020/08/09	-/90				1.01 ± 0.02			RT-32
59077	2020/08/16	-/132				1.03 ± 0.03			RT-32
59097	2020/09/05	46/-			0.88 ± 0.12				RT-32
59098	2020/09/06	-/92				0.96 ± 0.03			RT-32
59112	2020/09/20	43/86			0.92 ± 0.06	0.93 ± 0.04			RT-32
59126	2020/10/04	44/-			0.89 ± 0.04				RT-32
59140	2020/10/18	62/90			0.88 ± 0.04	0.81 ± 0.02			RT-32
59161	2020/11/08	46/89			0.89 ± 0.04	0.81 ± 0.02			RT-32
59168	2020/11/15	46/82			0.88 ± 0.06	0.72 ± 0.09			RT-32
59175	2020/11/22	44/-			0.89 ± 0.06				RT-32
59189	2020/12/06	36/-			0.79 ± 0.04				RT-32
59196	2020/12/13	45/88			0.93 ± 0.06	0.74 ± 0.04			RT-32
59203	2020/12/20	45/84			0.80 ± 0.08	0.72 ± 0.02			RT-32
59217	2021/01/03	30/82			0.88 ± 0.04	0.73 ± 0.03			RT-32
59224	2021/01/10	42/90			0.76 ± 0.06	0.70 ± 0.08			RT-32
59230	2021/01/16	43/84			0.91 ± 0.06	0.69 ± 0.03			RT-32
59237	2021/01/23	-/86				0.71 ± 0.03			RT-32
59244	2021/01/30	-/84				0.79 ± 0.02			RT-32
59251	2021/02/06	133/-			0.88 ± 0.10				RT-32
59254	2021/02/08	3	2.04 ± 0.17	1.13 ± 0.10		0.74 ± 0.04			RATAN-600
59259	2021/02/14	87/-			1.10 ± 0.08				RT-32
59266	2021/02/21	86/90			1.25 ± 0.06	0.93 ± 0.03			RT-32
59282	2021/03/08	2	1.96 ± 0.19	1.39 ± 0.10		0.82 ± 0.05			RATAN-600
59293	2021/03/20	45/90			1.14 ± 0.06	0.93 ± 0.02			RT-32
59300	2021/03/27	42/86			1.21 ± 0.08	0.88 ± 0.02			RT-32
59307	2021/04/03	46/-			1.29 ± 0.06				RT-32
59312	2021/04/07	2		1.22 ± 0.10		0.82 ± 0.05			RATAN-600
59321	2021/04/17	44/-			1.25 ± 0.06				RT-32
59322	2021/04/18	-/88				0.98 ± 0.02			RT-32
59328	2021/04/24	21/-			1.10 ± 0.14				RT-32
59342	2021/05/08	45/-			0.97 ± 0.04				RT-32
59343	2021/05/08	2	1.47 ± 0.16	1.15 ± 0.10		0.75 ± 0.04			RATAN-600
59349	2021/05/15	91/-			0.94 ± 0.08				RT-32
59356	2021/05/22	44/84			0.80 ± 0.04	0.79 ± 0.02			RT-32
59375	2021/06/09	1		0.71 ± 0.10		0.63 ± 0.04			RATAN-600
59384	2021/06/19	41/-			0.65 ± 0.04				RT-32
59399	2021/07/04	60/88			0.62 ± 0.04	0.59 ± 0.03			RT-32
59405	2021/07/10	79/84			0.59 ± 0.04	0.55 ± 0.02			RT-32
59410	2021/07/14	12	1.25 ± 0.14	1.03 ± 0.10		0.89 ± 0.03			RATAN-600
59412	2021/07/17	94/-			0.54 ± 0.04				RT-32
59419	2021/07/24	-/78				0.53 ± 0.05			RT-32

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MJD эпоха	Дата	N_{obs}	$S_{22} \pm \sigma_{22}$	$S_{11.2} \pm \sigma_{11.2}$	$S_8 \pm \sigma_8$	$S_5 \pm \sigma_5$	$S_{2.3} \pm \sigma_{2.3}$	$S_{1.1} \pm \sigma_{1.1}$	Телескоп
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
59438	2021/08/11	10	1.17 ± 0.10	1.02 ± 0.10		0.81 ± 0.05			RATAN-600
59474	2021/09/16	14	1.30 ± 0.10	1.37 ± 0.10		1.15 ± 0.05			RATAN-600
59495	2021/10/07	25	1.45 ± 0.10	1.28 ± 0.10		1.05 ± 0.05			RATAN-600
59556	2021/12/07	3	0.86 ± 0.10	0.88 ± 0.10		0.69 ± 0.02			RATAN-600
59588	2022/01/08	2	0.98 ± 0.10	0.91 ± 0.10		0.62 ± 0.04			RATAN-600
59619	2022/02/08	3	1.14 ± 0.10	1.11 ± 0.10		0.74 ± 0.04			RATAN-600
59647	2022/03/08	2	1.58 ± 0.10	1.51 ± 0.10		0.79 ± 0.05			RATAN-600
59678	2022/04/08	3	1.81 ± 0.10	1.36 ± 0.10		0.86 ± 0.05			RATAN-600
59709	2022/05/09	2	1.85 ± 0.10	1.52 ± 0.20		0.79 ± 0.05			RATAN-600
59723	2022/05/23	2	1.89 ± 0.10	1.46 ± 0.10		0.84 ± 0.05			RATAN-600
59848	2022/09/25	5	2.27 ± 0.18	2.54 ± 0.30		2.24 ± 0.05			RATAN-600
59891	2022/11/07	3	1.31 ± 0.10	1.64 ± 0.20		1.59 ± 0.05			RATAN-600
59922	2022/12/08	3	1.24 ± 0.15	1.48 ± 0.10		1.55 ± 0.05			RATAN-600
59953	2023/01/08	2	0.85 ± 0.10	1.44 ± 0.10		1.40 ± 0.05			RATAN-600
59985	2023/02/09	1		0.73 ± 0.10		1.04 ± 0.05			RATAN-600
60012	2023/03/08	2	1.92 ± 0.15	1.12 ± 0.10		0.86 ± 0.05			RATAN-600
60043	2023/04/08	2	1.63 ± 0.16	1.57 ± 0.20		1.06 ± 0.05			RATAN-600
60074	2023/05/09	1	1.36 ± 0.14	1.81 ± 0.20		0.86 ± 0.05			RATAN-600
60104	2023/06/08	2		1.68 ± 0.06		0.97 ± 0.06			RATAN-600
60105	2023/06/10	32/–			1.39 ± 0.16				RT-32
60106	2023/06/11	20/–			1.35 ± 0.12				RT-32
60119	2023/06/18	29/–			1.38 ± 0.08				RT-32