

Table 4. An example section of the AMIGPS catalogue, containing the brightest ten sources detected in the map shown in Fig. 11. $(\Delta)RA_{\text{peak/cent}}$ peak/fitted-centroid coordinate (errors); $(\Delta)S_{\text{peak/cent}}$ are peak/integrated flux density (errors); $e_{\text{maj/min}}$ are fitted major/minor axis FWHMs; e_{crit} is the in Eqn. 2; e_{θ} is the fitted source position angle; χ^2 is the goodness of fit estimator described in the text; and Type is the source classification. The full table is in the supplement.

Source	RA_{peak} (J2000)	δ_{peak} (J2000)	ΔRA_{peak} (arcsec)	$\Delta \delta_{\text{peak}}$ (arcsec)	S_{peak} (mJy)	ΔS_{peak} (mJy)	RA_{cent} (J2000)	δ_{cent} (J2000)	ΔRA_{cent} (arcsec)	$\Delta \delta_{\text{cent}}$ (arcsec)	S_{int} (mJy)	ΔS_{int} (mJy)	e_{crit} (arcsec)	e_{maj} (arcsec)
J001450+611744	00:14:50	+61:17:44.1	2.7	1.8	844.2	42.4	00:14:49	+61:17:42.4	2.6	1.7	842.5	60.0	100.0	18.2
J235300+602850	23:53:00	+60:28:50.1	3.0	2.1	426.8	21.8	23:53:01	+60:28:53.1	2.8	1.9	1032.2	74.3	100.0	178.5
J002704+595854	00:27:04	+59:58:54.0	2.8	2.0	379.6	19.2	00:27:04	+59:58:56.4	2.7	1.8	366.8	26.5	100.0	13.8
J003608+585548	00:36:08	+58:55:48.4	3.8	3.5	168.6	9.1	00:36:08	+58:55:49.4	2.9	2.1	157.4	12.5	100.0	95.0
J002241+604014	00:22:41	+60:40:14.1	3.3	2.5	162.6	8.5	00:22:41	+60:40:15.3	2.8	1.9	154.1	11.6	100.0	0.0
J000336+630750	00:03:36	+63:07:50.9	4.0	3.1	127.7	7.0	00:03:36	+63:07:52.0	2.9	2.1	121.3	9.7	100.0	0.0
J000108+605120	00:01:08	+60:51:20.3	3.9	3.1	121.4	6.6	00:01:07	+60:51:21.4	2.9	2.1	117.8	9.4	100.0	0.0
J000207+605832	00:02:07	+60:58:32.5	4.8	3.9	79.7	4.6	00:02:07	+60:58:31.1	3.1	2.4	74.1	6.5	100.0	32.3
J003044+590415	00:30:44	+59:04:15.6	9.2	5.8	73.7	5.1	00:30:44	+59:04:16.8	4.6	3.0	67.2	7.3	145.8	0.0
J003553+595008	00:35:53	+59:50:08.6	4.6	3.7	60.9	3.4	00:35:54	+59:50:08.4	3.1	2.3	57.6	4.8	100.0	0.0