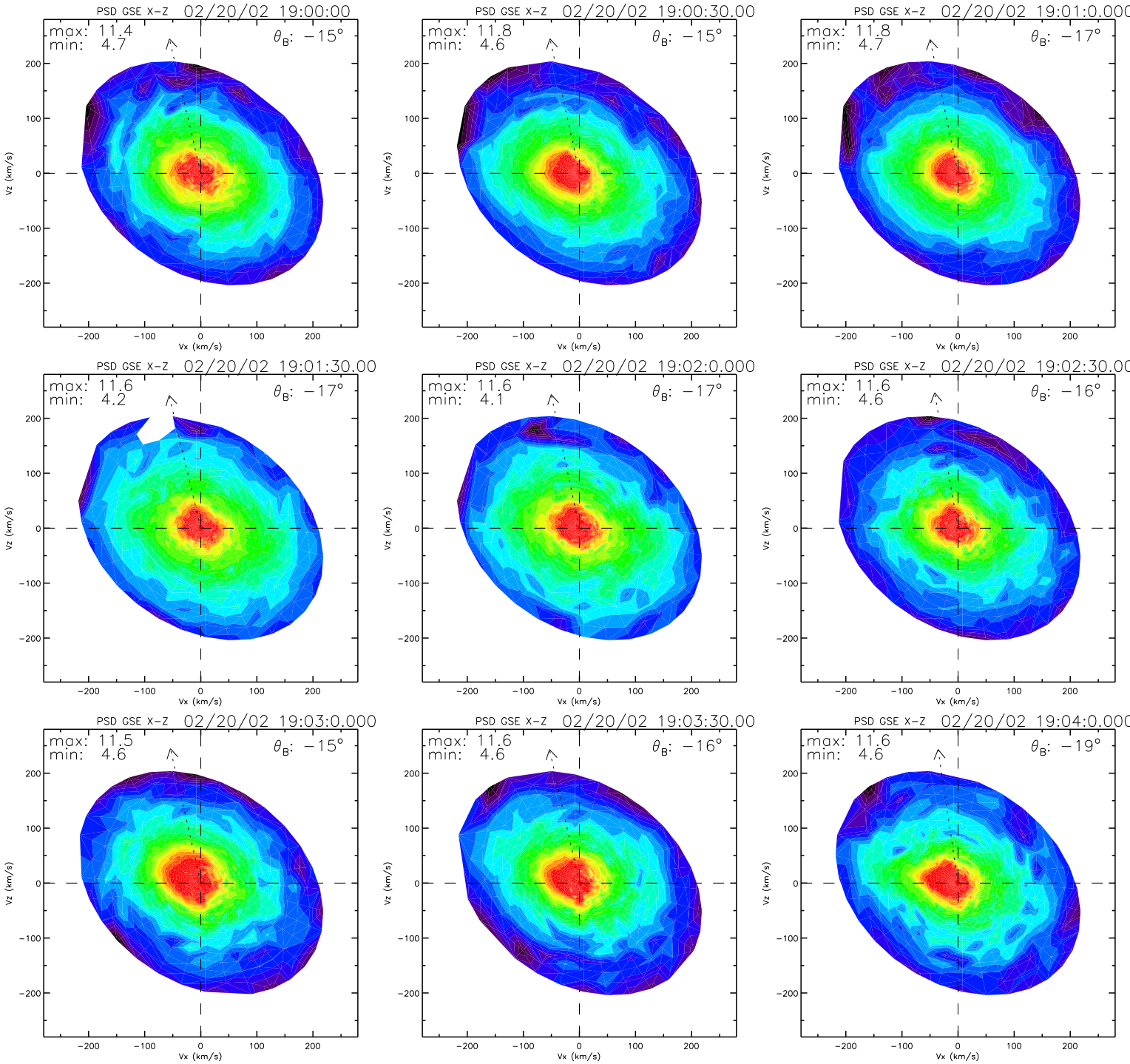
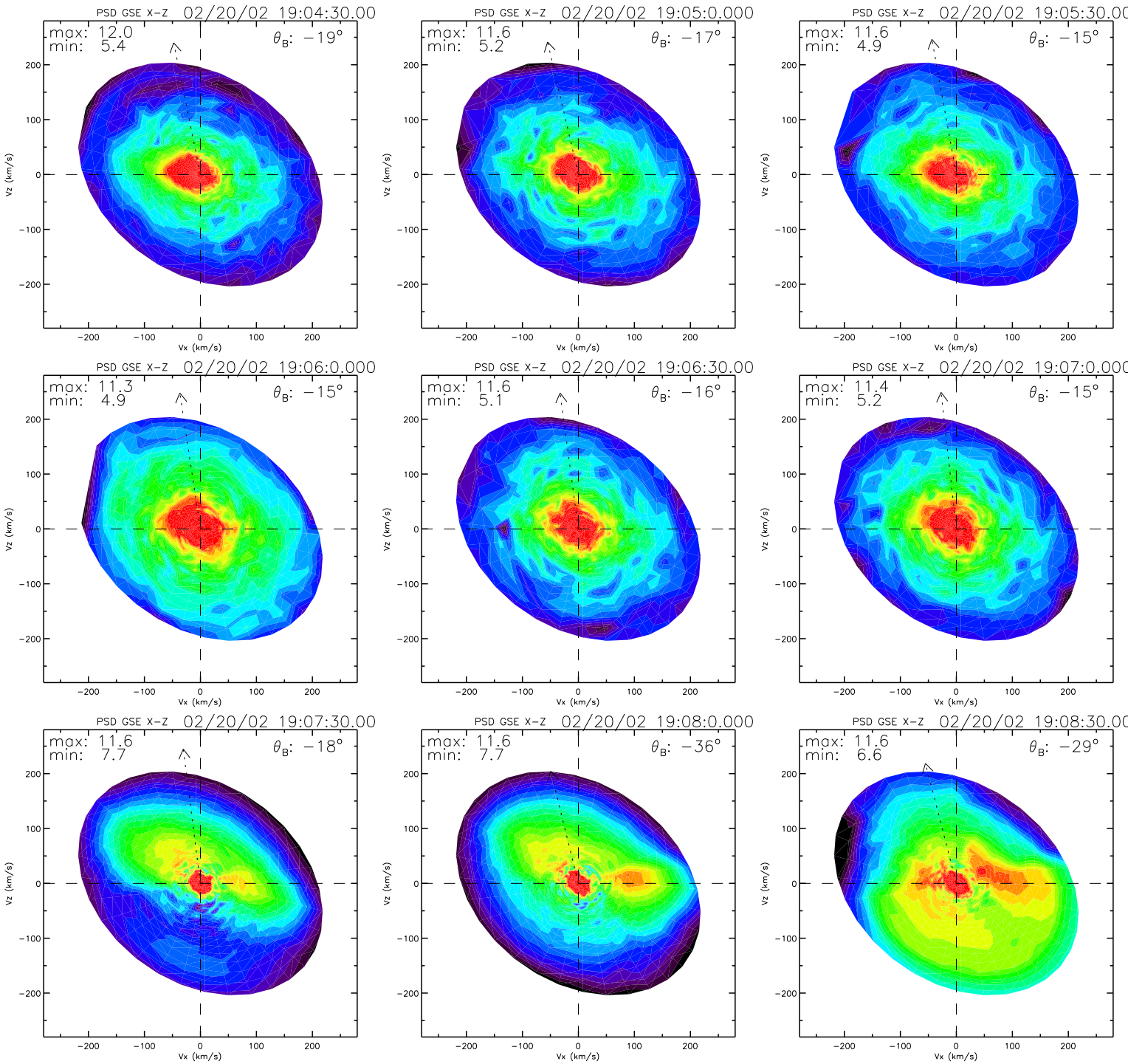
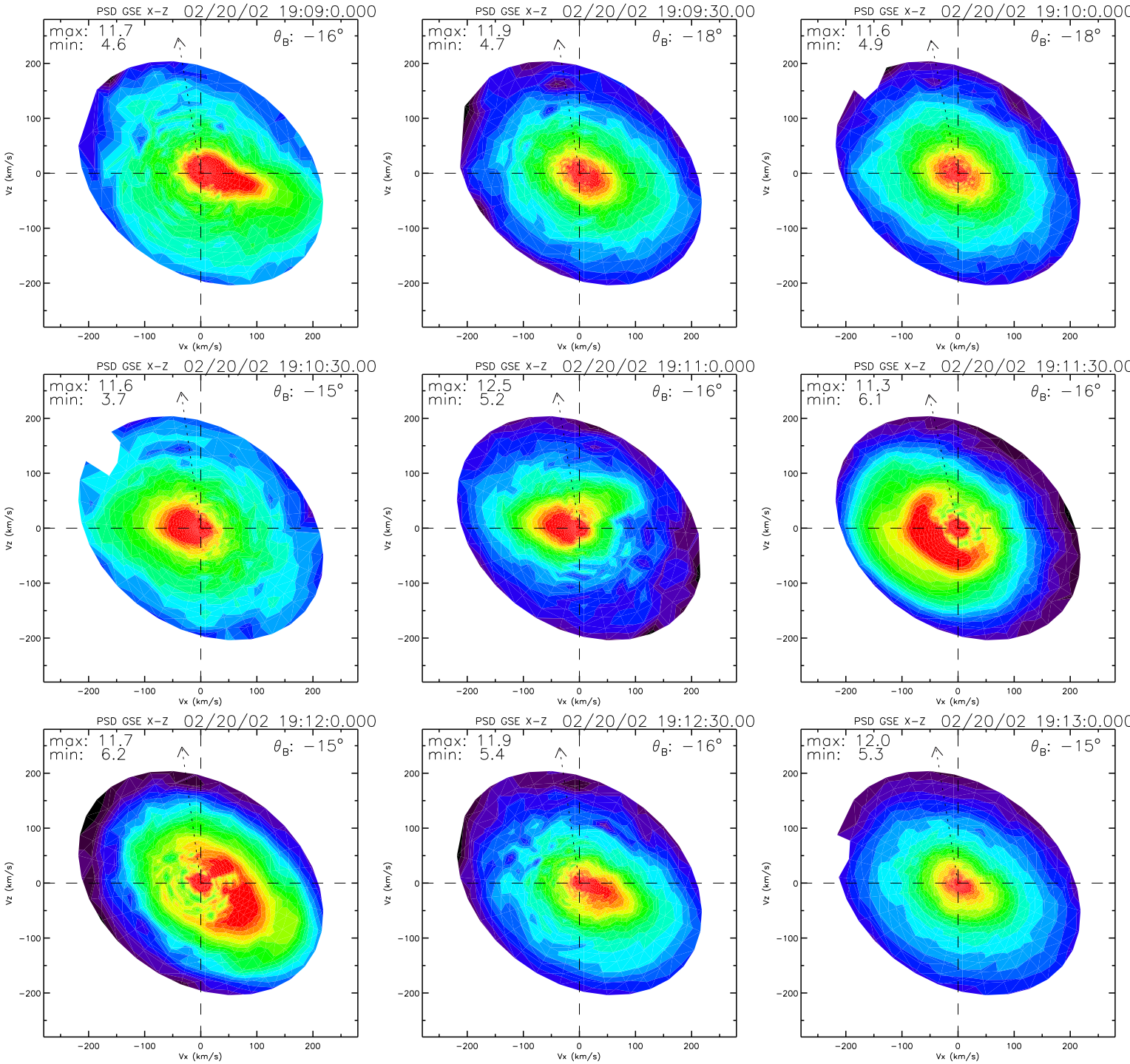
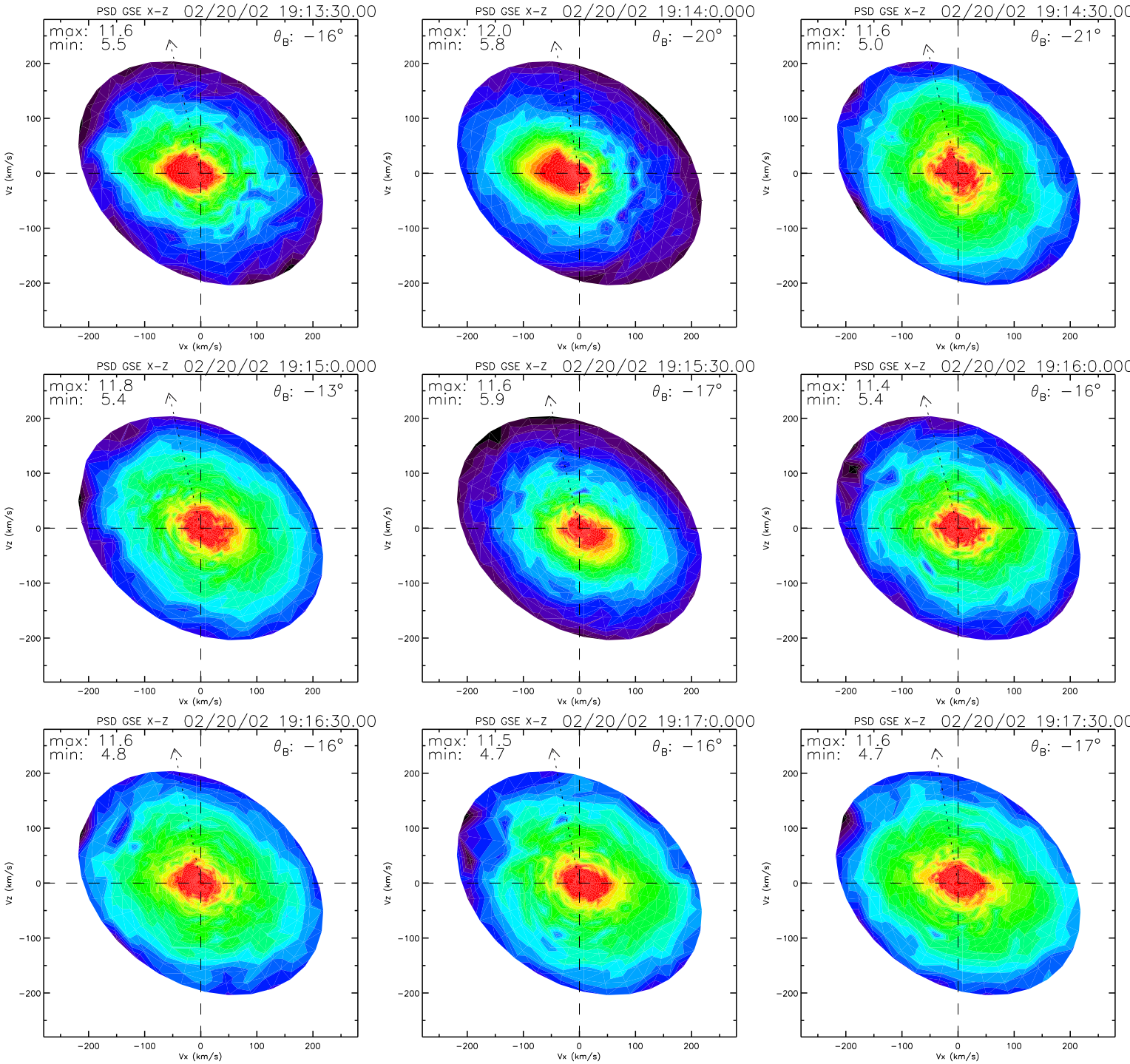
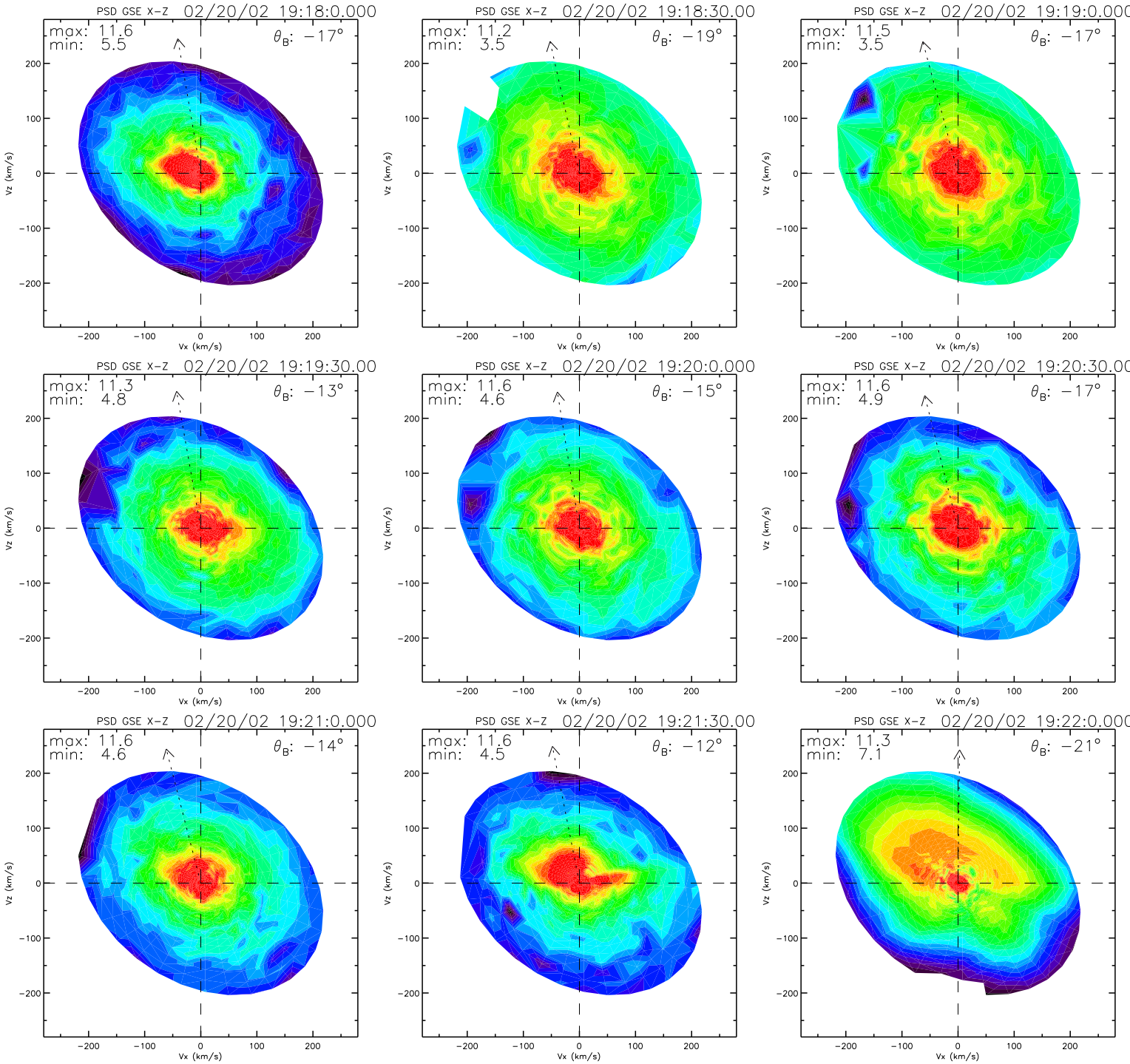
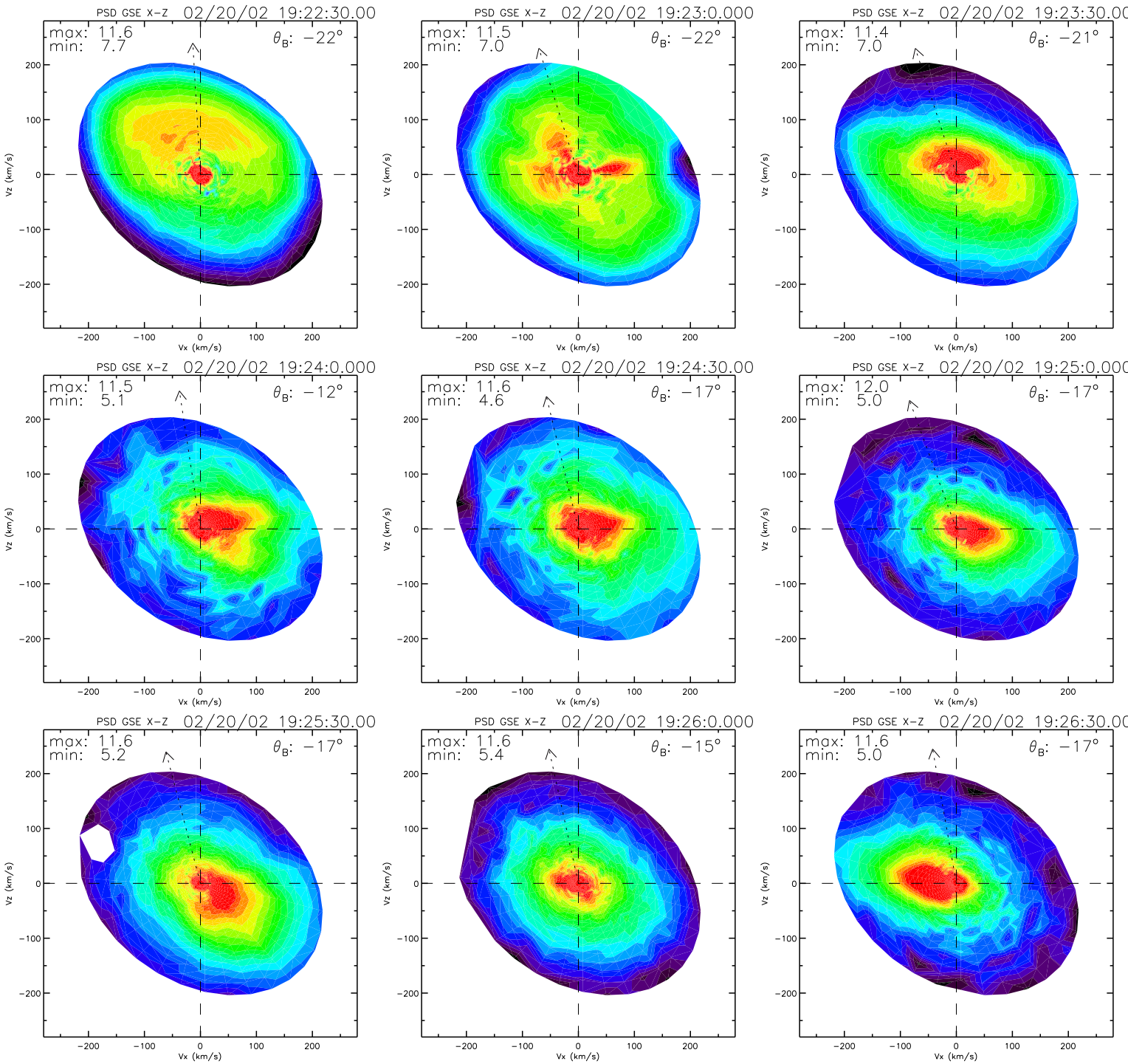

PSD GSE X-Z 02/20/02 19:00:00
max: 11.4
min: 4.7
θ_B: −15°
PSD GSE X-Z 02/20/02 19:00:30.00
max: 11.8
min: 4.6
θ_B: −15°
PSD GSE X-Z 02/20/02 19:01:0.000
max: 11.8
min: 4.7
θ_B: −17°
PSD GSE X-Z 02/20/02 19:01:30.00
max: 11.6
min: 4.2
θ_B: −17°
PSD GSE X-Z 02/20/02 19:02:0.000
max: 11.6
min: 4.1
θ_B: −17°
PSD GSE X-Z 02/20/02 19:02:30.00
max: 11.6
min: 4.6
θ_B: −16°
PSD GSE X-Z 02/20/02 19:03:0.000
max: 11.5
min: 4.6
θ_B: −15°
PSD GSE X-Z 02/20/02 19:03:30.00
max: 11.6
min: 4.6
θ_B: −16°
PSD GSE X-Z 02/20/02 19:04:0.000
max: 11.6
min: 4.6
θ_B: −19°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

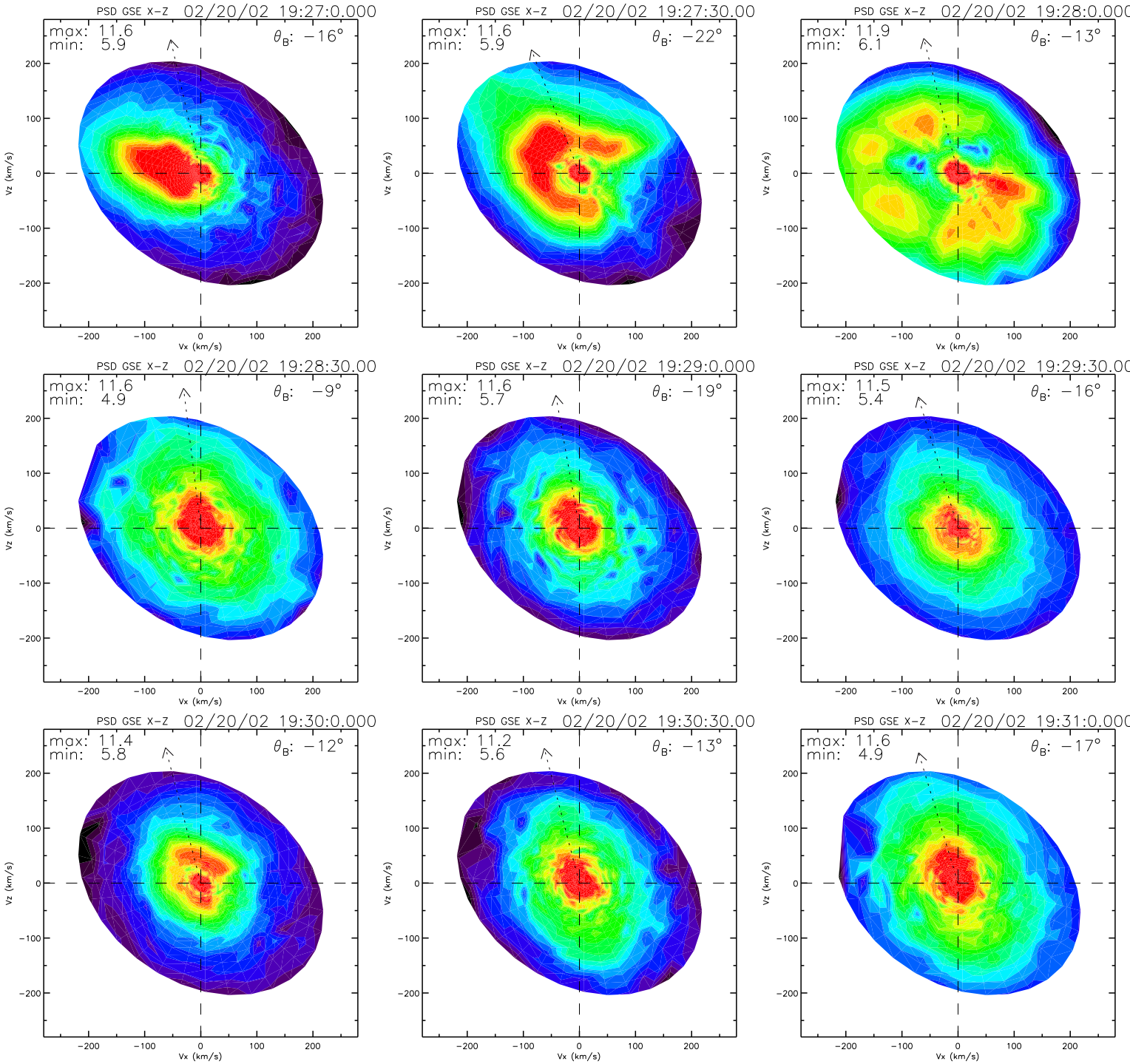

PSD GSE X-Z 02/20/02 19:04:30.00
max: 12.0
min: 5.4
θ_B: −19°
PSD GSE X-Z 02/20/02 19:05:0.000
max: 11.6
min: 5.2
θ_B: −17°
PSD GSE X-Z 02/20/02 19:05:30.00
max: 11.6
min: 4.9
θ_B: −15°
PSD GSE X-Z 02/20/02 19:06:0.000
max: 11.3
min: 4.9
θ_B: −15°
PSD GSE X-Z 02/20/02 19:06:30.00
max: 11.6
min: 5.1
θ_B: −16°
PSD GSE X-Z 02/20/02 19:07:0.000
max: 11.4
min: 5.2
θ_B: −15°
PSD GSE X-Z 02/20/02 19:07:30.00
max: 11.6
min: 7.7
θ_B: −18°
PSD GSE X-Z 02/20/02 19:08:0.000
max: 11.6
min: 7.7
θ_B: −36°
PSD GSE X-Z 02/20/02 19:08:30.00
max: 11.6
min: 6.6
θ_B: −29°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

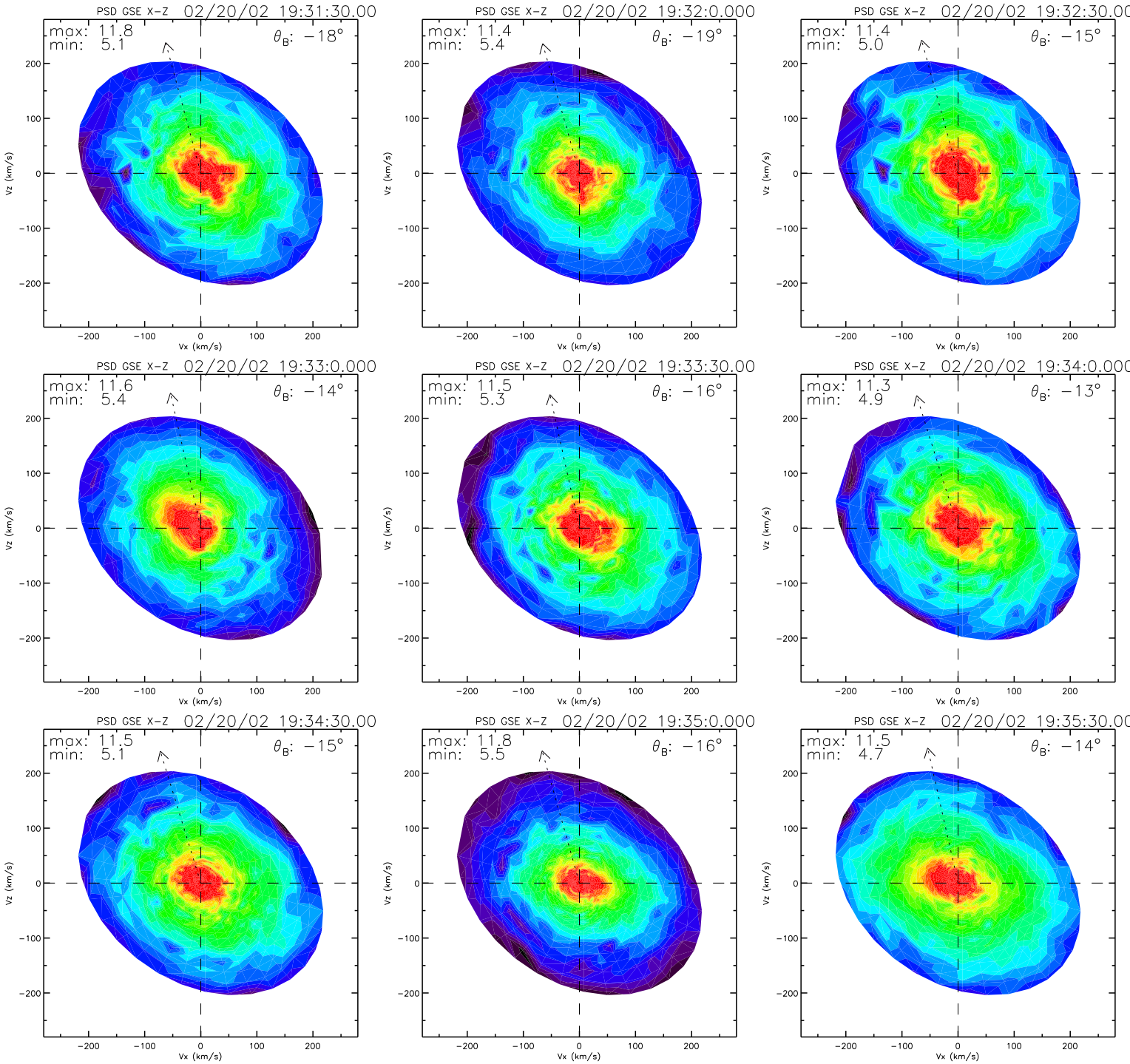

PSD GSE X-Z 02/20/02 19:09:0.000
max: 11.7
min: 4.6
θ_B: −16°
PSD GSE X-Z 02/20/02 19:09:30.00
max: 11.9
min: 4.7
θ_B: −18°
PSD GSE X-Z 02/20/02 19:10:0.000
max: 11.6
min: 4.9
θ_B: −18°
PSD GSE X-Z 02/20/02 19:10:30.00
max: 11.6
min: 3.7
θ_B: −15°
PSD GSE X-Z 02/20/02 19:11:0.000
max: 12.5
min: 5.2
θ_B: −16°
PSD GSE X-Z 02/20/02 19:11:30.00
max: 11.3
min: 6.1
θ_B: −16°
PSD GSE X-Z 02/20/02 19:12:0.000
max: 11.7
min: 6.2
θ_B: −15°
PSD GSE X-Z 02/20/02 19:12:30.00
max: 11.9
min: 5.4
θ_B: −16°
PSD GSE X-Z 02/20/02 19:13:0.000
max: 12.0
min: 5.3
θ_B: −15°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

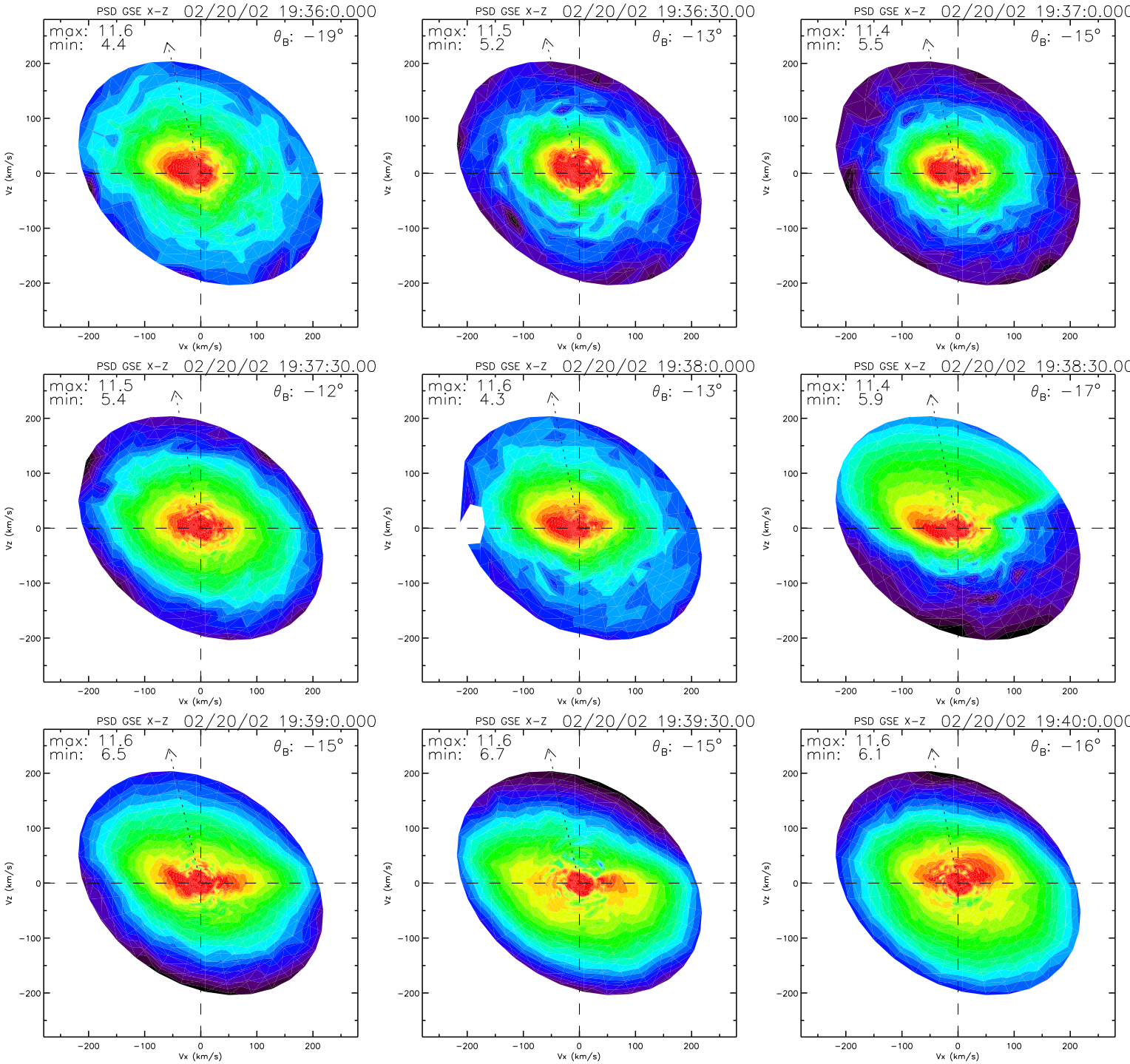

PSD GSE X-Z 02/20/02 19:13:30.00
max: 11.6
min: 5.5
θB: −16°
PSD GSE X-Z 02/20/02 19:14:0.000
max: 12.0
min: 5.8
θB: −20°
PSD GSE X-Z 02/20/02 19:14:30.00
max: 11.6
min: 5.0
θB: −21°
PSD GSE X-Z 02/20/02 19:15:0.000
max: 11.8
min: 5.4
θB: −13°
PSD GSE X-Z 02/20/02 19:15:30.00
max: 11.6
min: 5.9
θB: −17°
PSD GSE X-Z 02/20/02 19:16:0.000
max: 11.4
min: 5.4
θB: −16°
PSD GSE X-Z 02/20/02 19:16:30.00
max: 11.6
min: 4.8
θB: −16°
PSD GSE X-Z 02/20/02 19:17:0.000
max: 11.5
min: 4.7
θB: −16°
PSD GSE X-Z 02/20/02 19:17:30.00
max: 11.6
min: 4.7
θB: −17°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

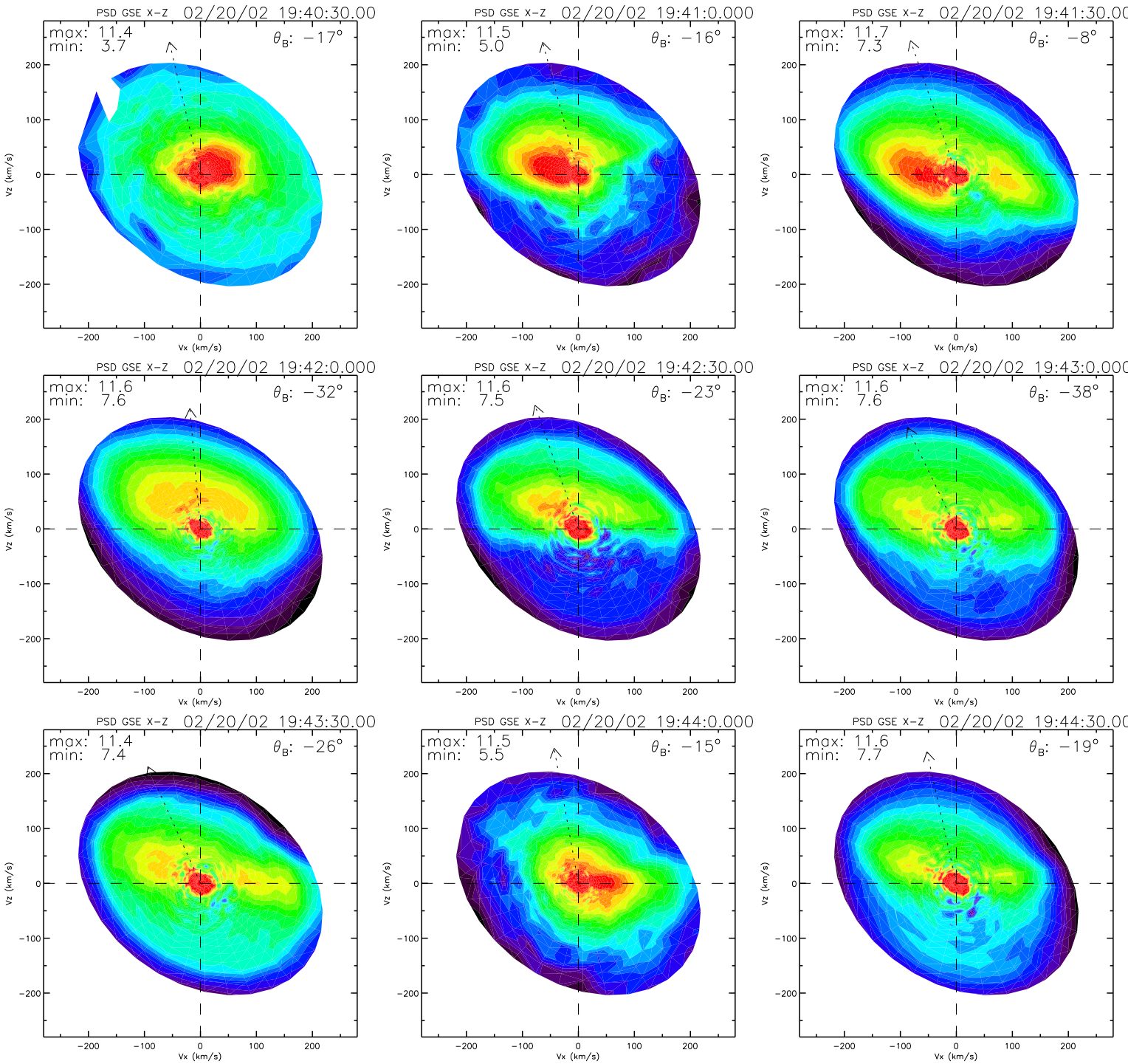

PSD GSE X-Z 02/20/02 19:18:0.000
max: 11.6
min: 5.5
θ_B: −17°
PSD GSE X-Z 02/20/02 19:18:30.00
max: 11.2
min: 3.5
θ_B: −19°
PSD GSE X-Z 02/20/02 19:19:0.000
max: 11.5
min: 3.5
θ_B: −17°
PSD GSE X-Z 02/20/02 19:19:30.00
max: 11.3
min: 4.8
θ_B: −13°
PSD GSE X-Z 02/20/02 19:20:0.000
max: 11.6
min: 4.6
θ_B: −15°
PSD GSE X-Z 02/20/02 19:20:30.00
max: 11.6
min: 4.9
θ_B: −17°
PSD GSE X-Z 02/20/02 19:21:0.000
max: 11.6
min: 4.6
θ_B: −14°
PSD GSE X-Z 02/20/02 19:21:30.00
max: 11.6
min: 4.5
θ_B: −12°
PSD GSE X-Z 02/20/02 19:22:0.000
max: 11.3
min: 7.1
θ_B: −21°
Vx (km/s)
Vz (km/s)
200
100
0
−100
−200

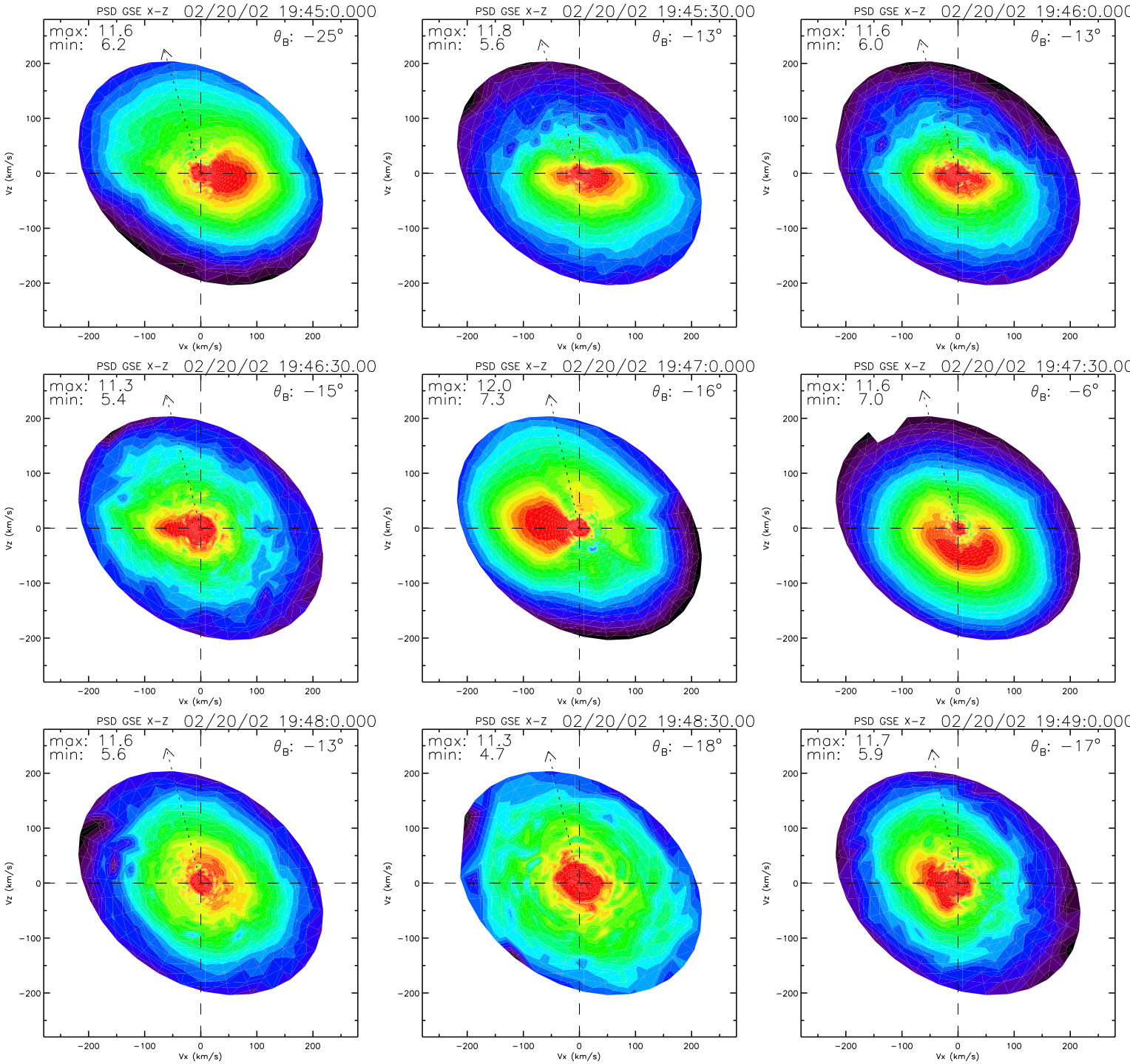

PSD GSE X-Z 02/20/02 19:22:30.00
max: 11.6
min: 7.7
θ_B: −22°
PSD GSE X-Z 02/20/02 19:23:0.000
max: 11.5
min: 7.0
θ_B: −22°
PSD GSE X-Z 02/20/02 19:23:30.00
max: 11.4
min: 7.0
θ_B: −21°
PSD GSE X-Z 02/20/02 19:24:0.000
max: 11.5
min: 5.1
θ_B: −12°
PSD GSE X-Z 02/20/02 19:24:30.00
max: 11.6
min: 4.6
θ_B: −17°
PSD GSE X-Z 02/20/02 19:25:0.000
max: 12.0
min: 5.0
θ_B: −17°
PSD GSE X-Z 02/20/02 19:25:30.00
max: 11.6
min: 5.2
θ_B: −17°
PSD GSE X-Z 02/20/02 19:26:0.000
max: 11.6
min: 5.4
θ_B: −15°
PSD GSE X-Z 02/20/02 19:26:30.00
max: 11.6
min: 5.0
θ_B: −17°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

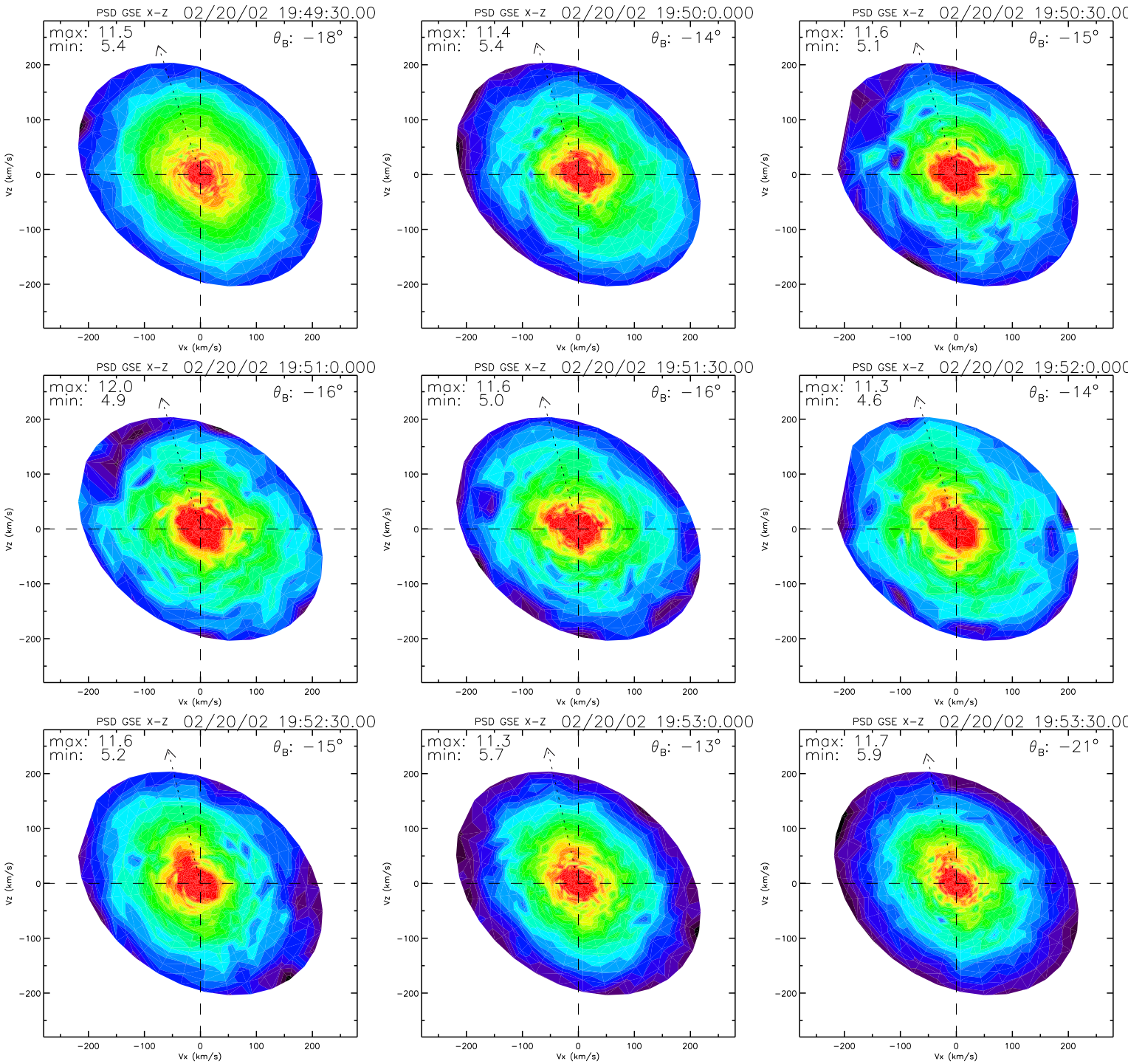

PSD GSE X-Z 02/20/02 19:27:0.000
max: 11.6
min: 5.9
θ_B: −16°
PSD GSE X-Z 02/20/02 19:27:30.00
max: 11.6
min: 5.9
θ_B: −22°
PSD GSE X-Z 02/20/02 19:28:0.000
max: 11.9
min: 6.1
θ_B: −13°
PSD GSE X-Z 02/20/02 19:28:30.00
max: 11.6
min: 4.9
θ_B: −9°
PSD GSE X-Z 02/20/02 19:29:0.000
max: 11.6
min: 5.7
θ_B: −19°
PSD GSE X-Z 02/20/02 19:29:30.00
max: 11.5
min: 5.4
θ_B: −16°
PSD GSE X-Z 02/20/02 19:30:0.000
max: 11.4
min: 5.8
θ_B: −12°
PSD GSE X-Z 02/20/02 19:30:30.00
max: 11.2
min: 5.6
θ_B: −13°
PSD GSE X-Z 02/20/02 19:31:0.000
max: 11.6
min: 4.9
θ_B: −17°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

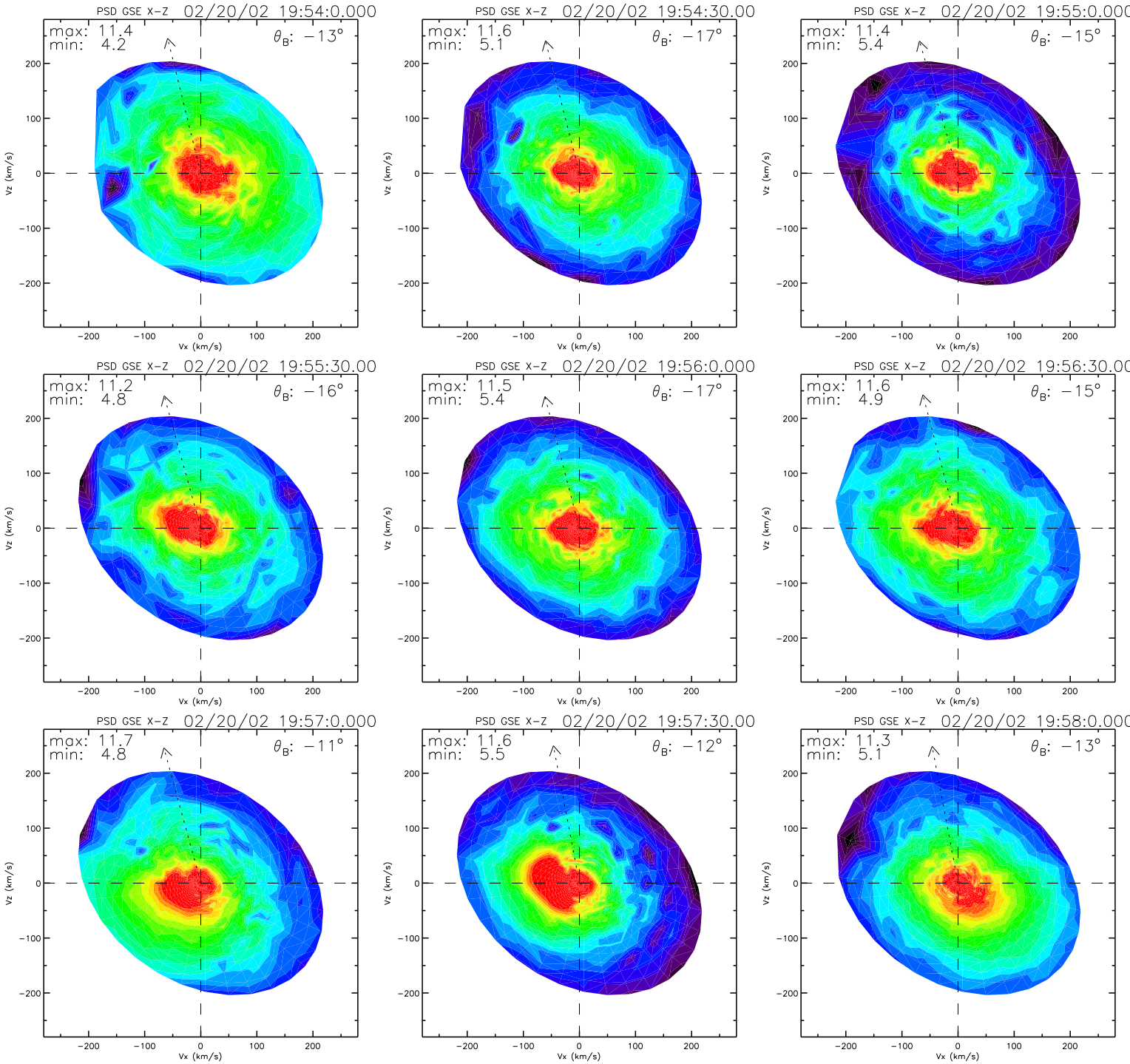

PSD GSE X-Z 02/20/02 19:31:30.00
max: 11.8
min: 5.1
θ_B: −18°
PSD GSE X-Z 02/20/02 19:32:0.000
max: 11.4
min: 5.4
θ_B: −19°
PSD GSE X-Z 02/20/02 19:32:30.00
max: 11.4
min: 5.0
θ_B: −15°
PSD GSE X-Z 02/20/02 19:33:0.000
max: 11.6
min: 5.4
θ_B: −14°
PSD GSE X-Z 02/20/02 19:33:30.00
max: 11.5
min: 5.3
θ_B: −16°
PSD GSE X-Z 02/20/02 19:34:0.000
max: 11.3
min: 4.9
θ_B: −13°
PSD GSE X-Z 02/20/02 19:34:30.00
max: 11.5
min: 5.1
θ_B: −15°
PSD GSE X-Z 02/20/02 19:35:0.000
max: 11.8
min: 5.5
θ_B: −16°
PSD GSE X-Z 02/20/02 19:35:30.00
max: 11.5
min: 4.7
θ_B: −14°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

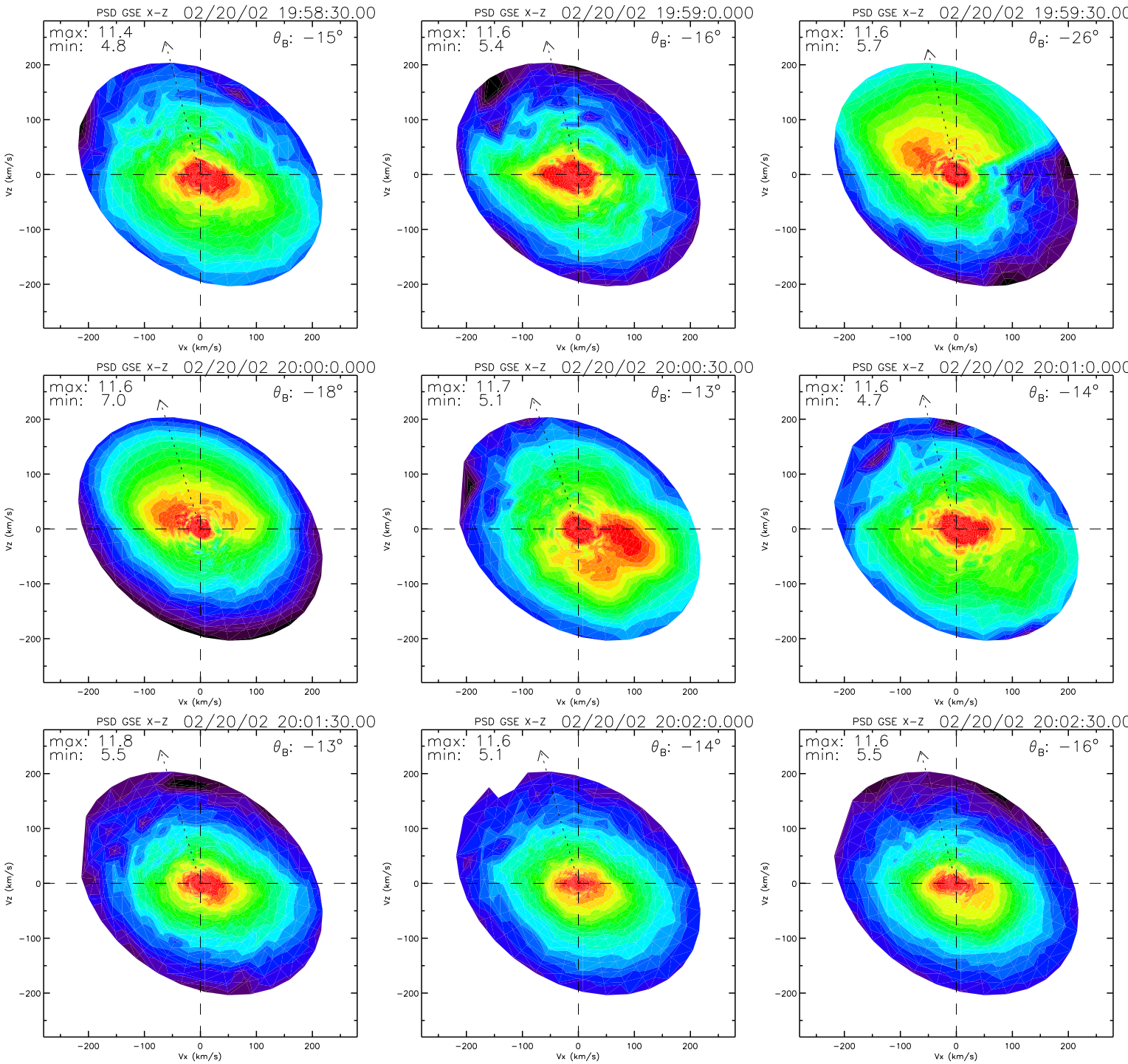

PSD GSE X-Z 02/20/02 19:36:0.000
max: 11.6
min: 4.4
θB: −19°
PSD GSE X-Z 02/20/02 19:36:30.00
max: 11.5
min: 5.2
θB: −13°
PSD GSE X-Z 02/20/02 19:37:0.000
max: 11.4
min: 5.5
θB: −15°
PSD GSE X-Z 02/20/02 19:37:30.00
max: 11.5
min: 5.4
θB: −12°
PSD GSE X-Z 02/20/02 19:38:0.000
max: 11.6
min: 4.3
θB: −13°
PSD GSE X-Z 02/20/02 19:38:30.00
max: 11.4
min: 5.9
θB: −17°
PSD GSE X-Z 02/20/02 19:39:0.000
max: 11.6
min: 6.5
θB: −15°
PSD GSE X-Z 02/20/02 19:39:30.00
max: 11.6
min: 6.7
θB: −15°
PSD GSE X-Z 02/20/02 19:40:0.000
max: 11.6
min: 6.1
θB: −16°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200

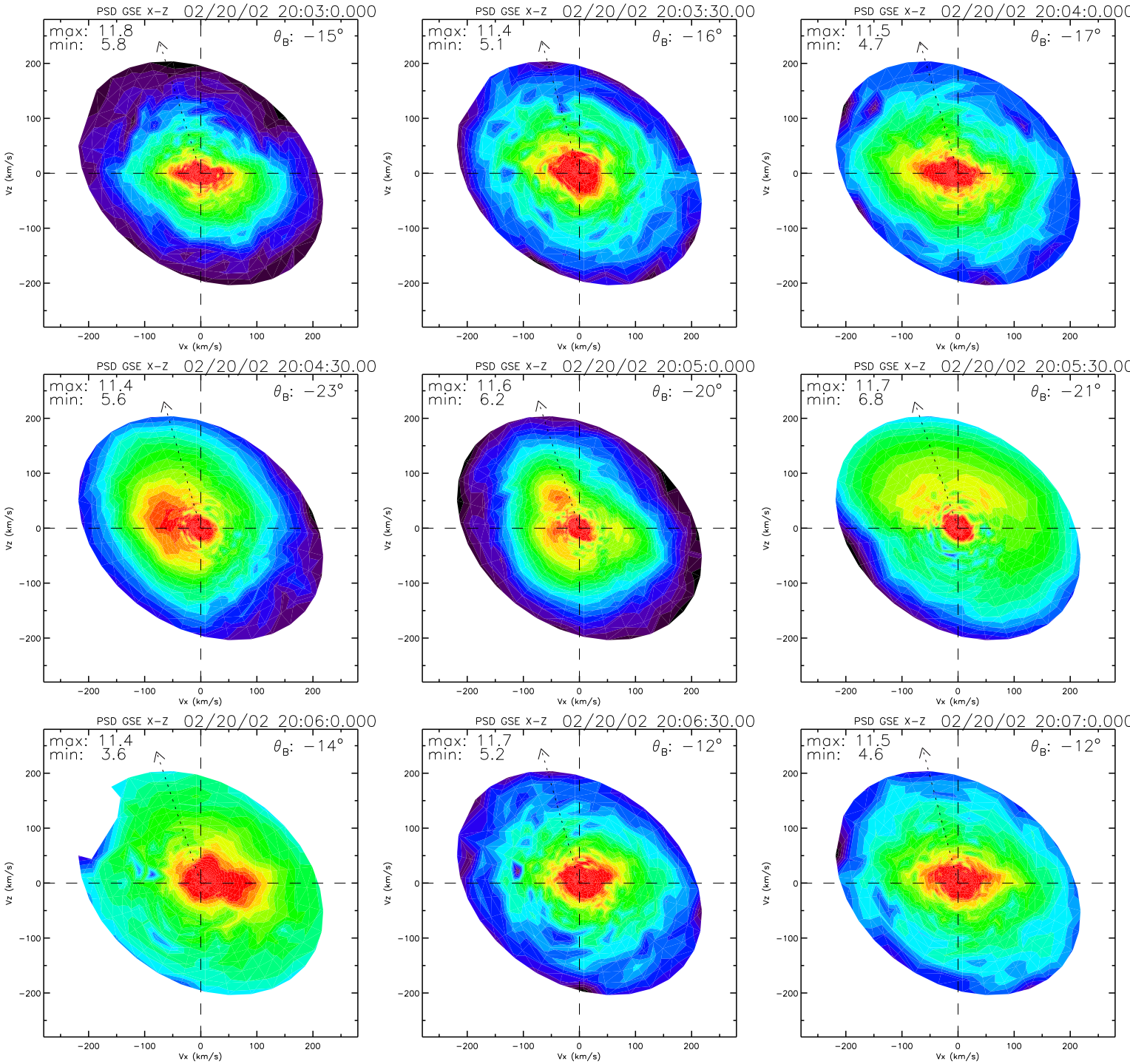

PSD GSE X-Z 02/20/02 19:40:30.00
max: 11.4
min: 3.7
θB: −17°
PSD GSE X-Z 02/20/02 19:41:0.000
max: 11.5
min: 5.0
θB: −16°
PSD GSE X-Z 02/20/02 19:41:30.00
max: 11.7
min: 7.3
θB: −8°
PSD GSE X-Z 02/20/02 19:42:0.000
max: 11.6
min: 7.6
θB: −32°
PSD GSE X-Z 02/20/02 19:42:30.00
max: 11.6
min: 7.5
θB: −23°
PSD GSE X-Z 02/20/02 19:43:0.000
max: 11.6
min: 7.6
θB: −38°
PSD GSE X-Z 02/20/02 19:43:30.00
max: 11.4
min: 7.4
θB: −26°
PSD GSE X-Z 02/20/02 19:44:0.000
max: 11.5
min: 5.5
θB: −15°
PSD GSE X-Z 02/20/02 19:44:30.00
max: 11.6
min: 7.7
θB: −19°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200

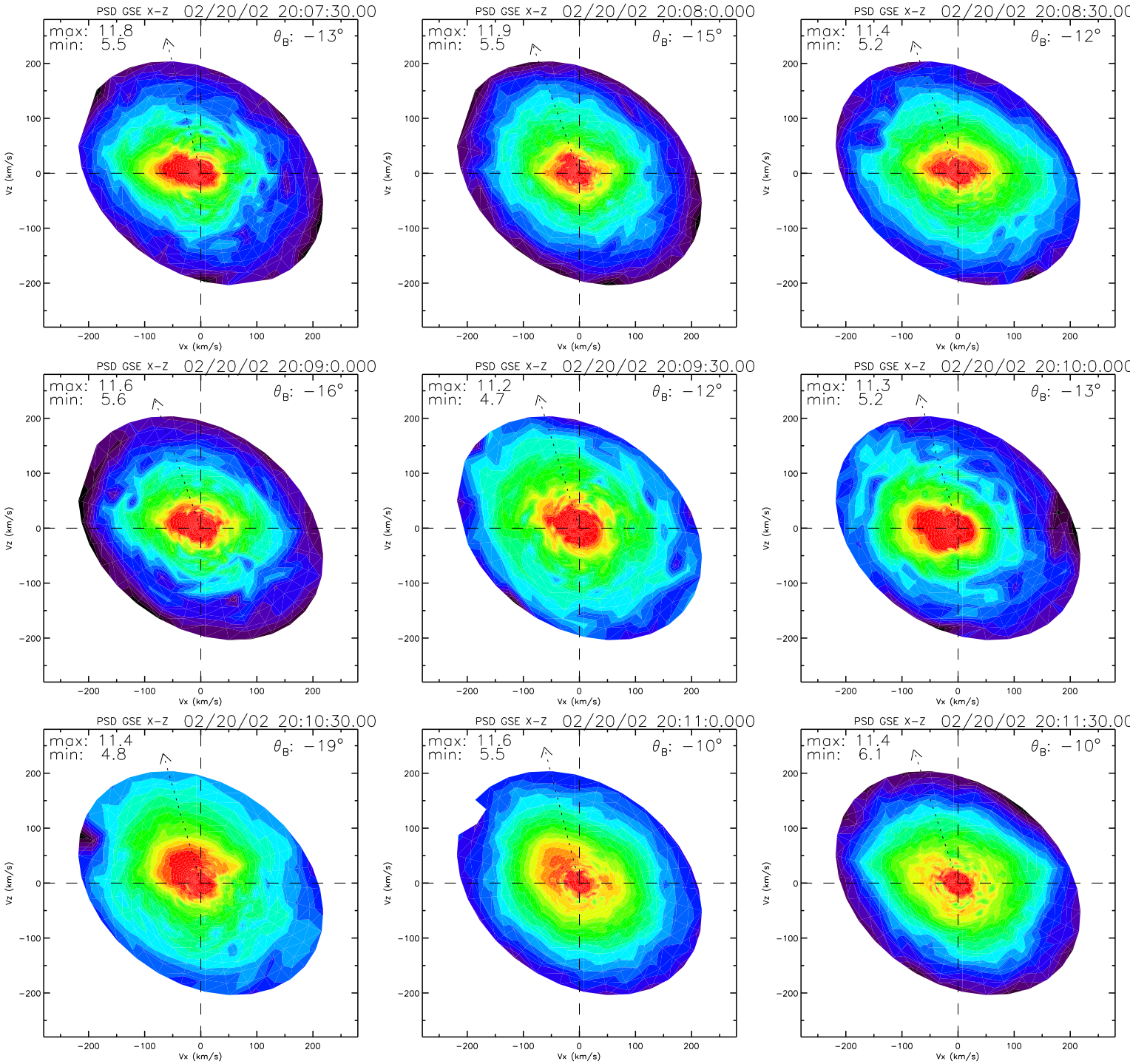

PSD GSE X-Z 02/20/02 19:45:0.000
max: 11.6
min: 6.2
θ_B: −25°
PSD GSE X-Z 02/20/02 19:45:30.00
max: 11.8
min: 5.6
θ_B: −13°
PSD GSE X-Z 02/20/02 19:46:0.000
max: 11.6
min: 6.0
θ_B: −13°
PSD GSE X-Z 02/20/02 19:46:30.00
max: 11.3
min: 5.4
θ_B: −15°
PSD GSE X-Z 02/20/02 19:47:0.000
max: 12.0
min: 7.3
θ_B: −16°
PSD GSE X-Z 02/20/02 19:47:30.00
max: 11.6
min: 7.0
θ_B: −6°
PSD GSE X-Z 02/20/02 19:48:0.000
max: 11.6
min: 5.6
θ_B: −13°
PSD GSE X-Z 02/20/02 19:48:30.00
max: 11.3
min: 4.7
θ_B: −18°
PSD GSE X-Z 02/20/02 19:49:0.000
max: 11.7
min: 5.9
θ_B: −17°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

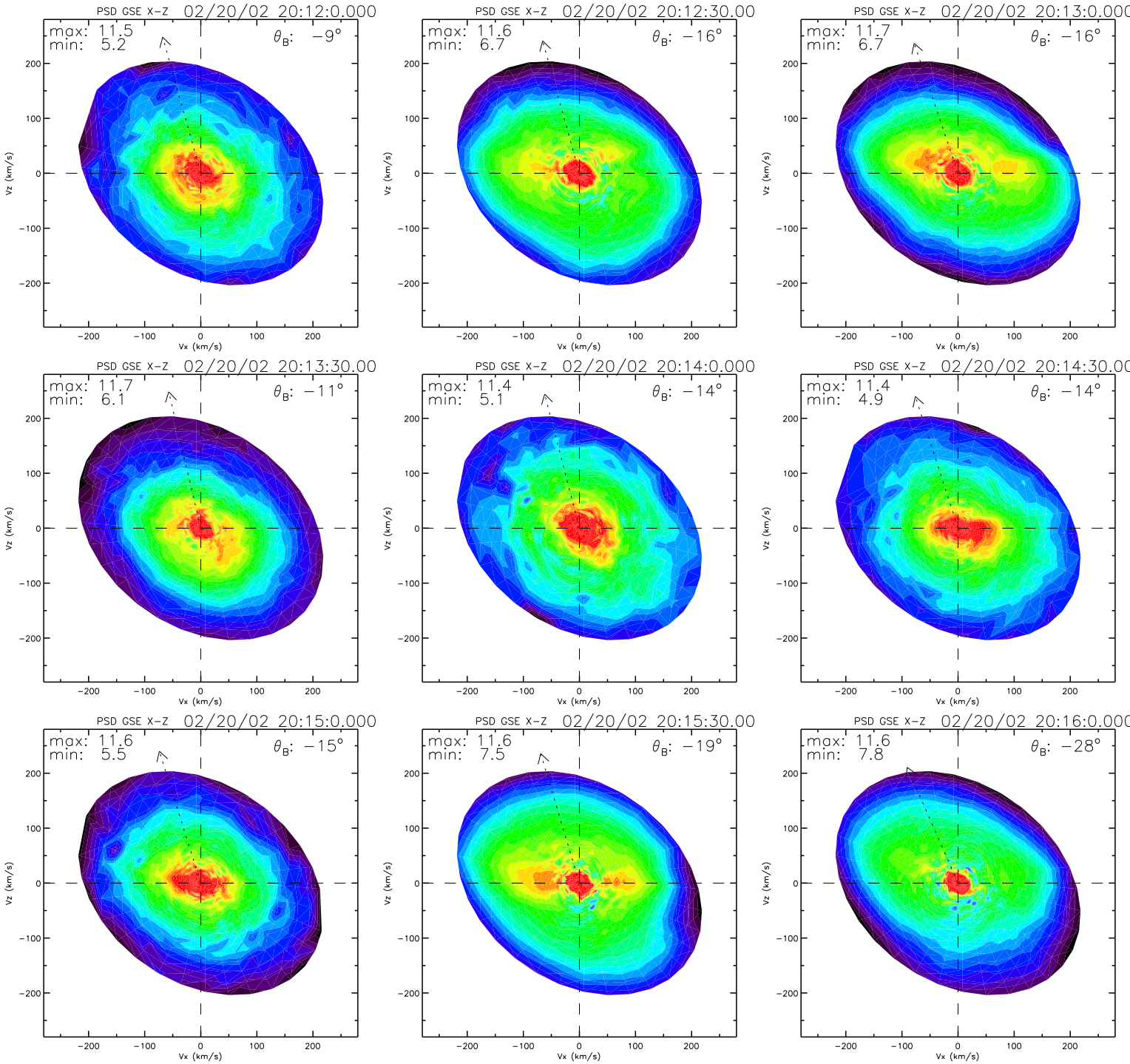

PSD GSE X-Z 02/20/02 19:49:30.00
max: 11.5
min: 5.4
θB: −18°
PSD GSE X-Z 02/20/02 19:50:0.000
max: 11.4
min: 5.4
θB: −14°
PSD GSE X-Z 02/20/02 19:50:30.00
max: 11.6
min: 5.1
θB: −15°
PSD GSE X-Z 02/20/02 19:51:0.000
max: 12.0
min: 4.9
θB: −16°
PSD GSE X-Z 02/20/02 19:51:30.00
max: 11.6
min: 5.0
θB: −16°
PSD GSE X-Z 02/20/02 19:52:0.000
max: 11.3
min: 4.6
θB: −14°
PSD GSE X-Z 02/20/02 19:52:30.00
max: 11.6
min: 5.2
θB: −15°
PSD GSE X-Z 02/20/02 19:53:0.000
max: 11.3
min: 5.7
θB: −13°
PSD GSE X-Z 02/20/02 19:53:30.00
max: 11.7
min: 5.9
θB: −21°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

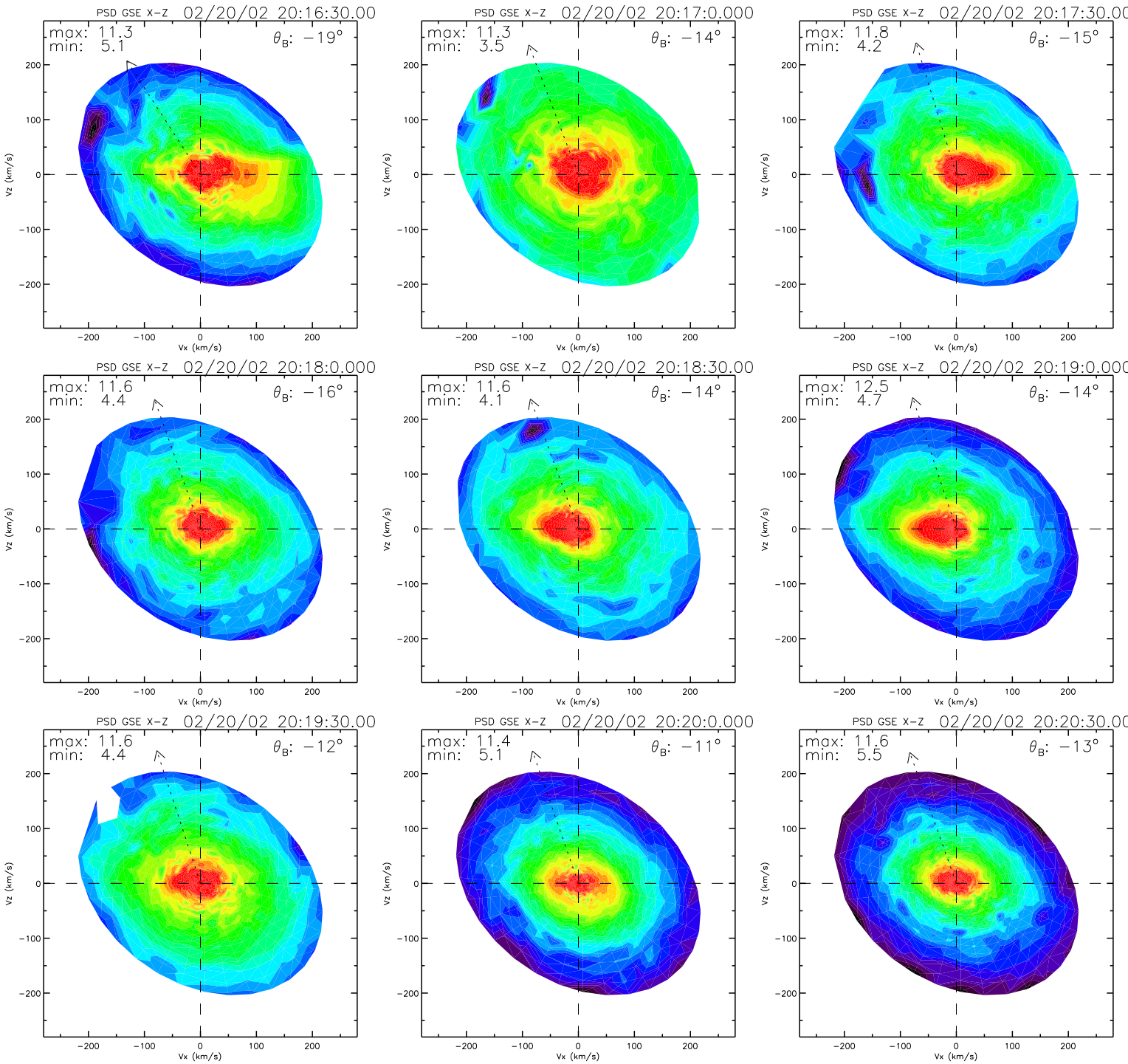

PSD GSE X-Z 02/20/02 19:54:0.000
max: 11.4
min: 4.2
θB: −13°
PSD GSE X-Z 02/20/02 19:54:30.00
max: 11.6
min: 5.1
θB: −17°
PSD GSE X-Z 02/20/02 19:55:0.000
max: 11.4
min: 5.4
θB: −15°
PSD GSE X-Z 02/20/02 19:55:30.00
max: 11.2
min: 4.8
θB: −16°
PSD GSE X-Z 02/20/02 19:56:0.000
max: 11.5
min: 5.4
θB: −17°
PSD GSE X-Z 02/20/02 19:56:30.00
max: 11.6
min: 4.9
θB: −15°
PSD GSE X-Z 02/20/02 19:57:0.000
max: 11.7
min: 4.8
θB: −11°
PSD GSE X-Z 02/20/02 19:57:30.00
max: 11.6
min: 5.5
θB: −12°
PSD GSE X-Z 02/20/02 19:58:0.000
max: 11.3
min: 5.1
θB: −13°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200

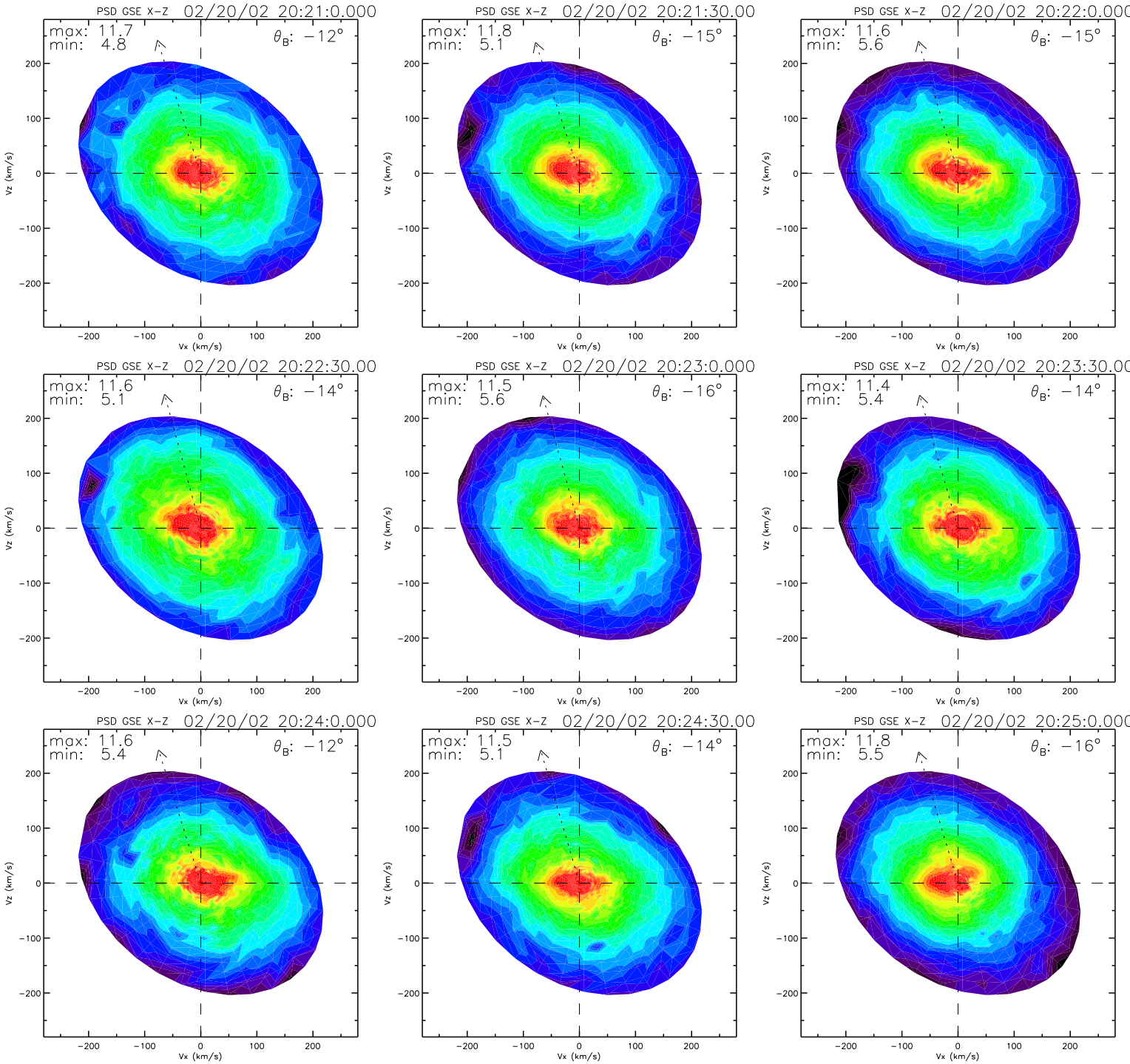

PSD GSE X-Z 02/20/02 19:58:30.00
max: 11.4
min: 4.8
θ_B: −15°
PSD GSE X-Z 02/20/02 19:59:0.000
max: 11.6
min: 5.4
θ_B: −16°
PSD GSE X-Z 02/20/02 19:59:30.00
max: 11.6
min: 5.7
θ_B: −26°
PSD GSE X-Z 02/20/02 20:00:0.000
max: 11.6
min: 7.0
θ_B: −18°
PSD GSE X-Z 02/20/02 20:00:30.00
max: 11.7
min: 5.1
θ_B: −13°
PSD GSE X-Z 02/20/02 20:01:0.000
max: 11.6
min: 4.7
θ_B: −14°
PSD GSE X-Z 02/20/02 20:01:30.00
max: 11.8
min: 5.5
θ_B: −13°
PSD GSE X-Z 02/20/02 20:02:0.000
max: 11.6
min: 5.1
θ_B: −14°
PSD GSE X-Z 02/20/02 20:02:30.00
max: 11.6
min: 5.5
θ_B: −16°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

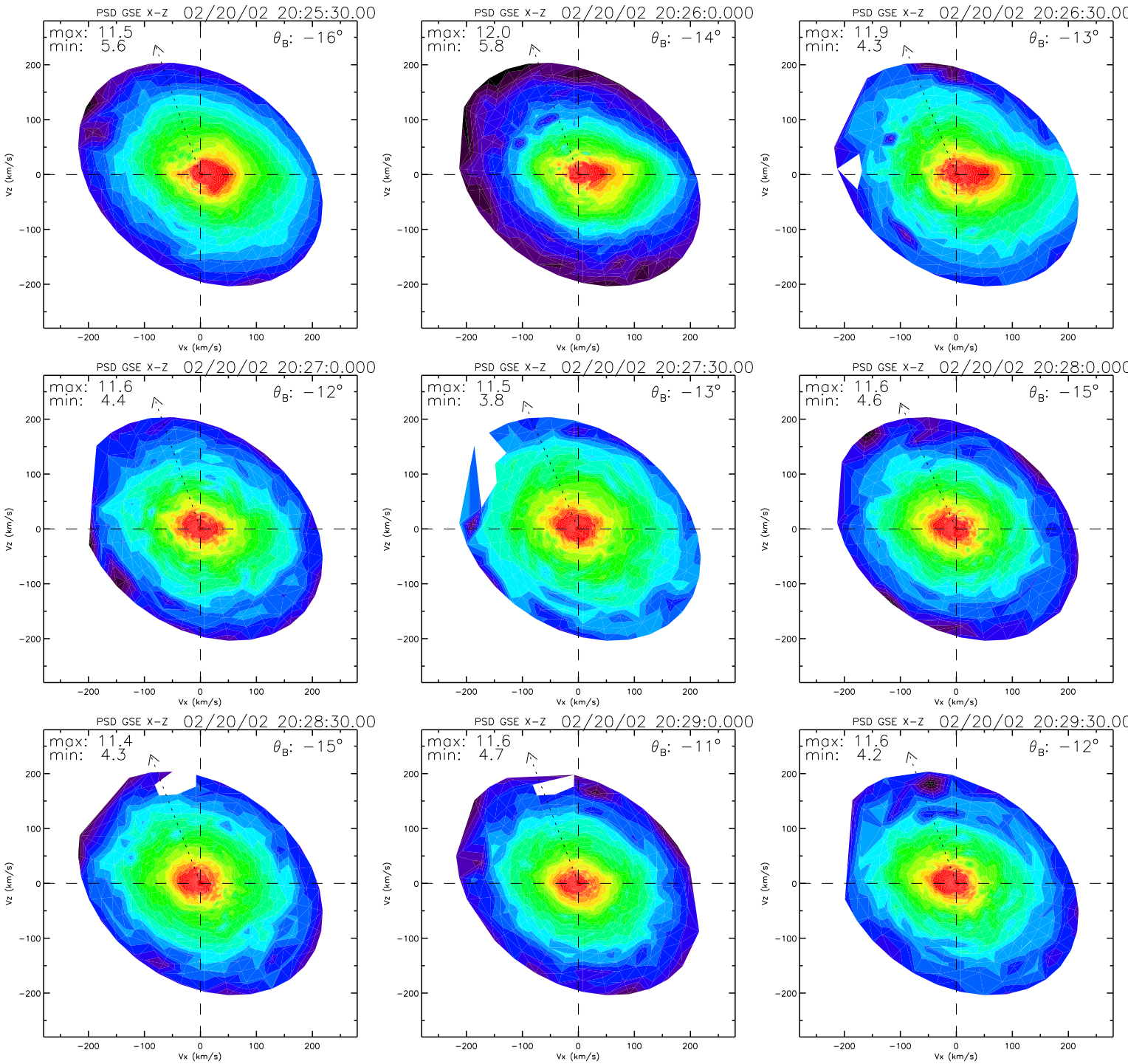

PSD GSE X-Z 02/20/02 20:03:0.000
max: 11.8
min: 5.8
θB: −15°
PSD GSE X-Z 02/20/02 20:03:30.00
max: 11.4
min: 5.1
θB: −16°
PSD GSE X-Z 02/20/02 20:04:0.000
max: 11.5
min: 4.7
θB: −17°
PSD GSE X-Z 02/20/02 20:04:30.00
max: 11.4
min: 5.6
θB: −23°
PSD GSE X-Z 02/20/02 20:05:0.000
max: 11.6
min: 6.2
θB: −20°
PSD GSE X-Z 02/20/02 20:05:30.00
max: 11.7
min: 6.8
θB: −21°
PSD GSE X-Z 02/20/02 20:06:0.000
max: 11.4
min: 3.6
θB: −14°
PSD GSE X-Z 02/20/02 20:06:30.00
max: 11.7
min: 5.2
θB: −12°
PSD GSE X-Z 02/20/02 20:07:0.000
max: 11.5
min: 4.6
θB: −12°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

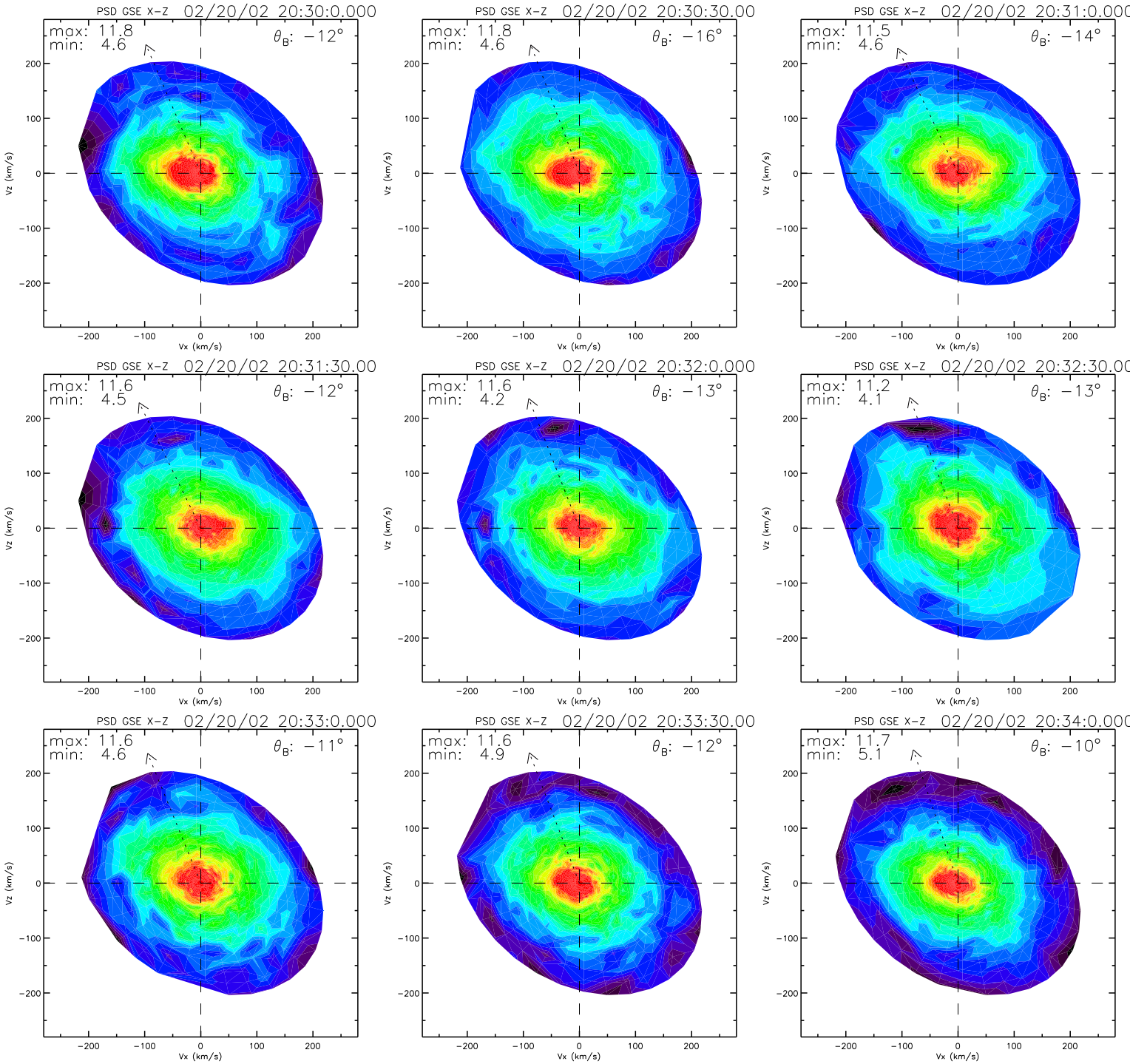

PSD GSE X-Z 02/20/02 20:07:30.00
max: 11.8
min: 5.5
θB: −13°
PSD GSE X-Z 02/20/02 20:08:0.000
max: 11.9
min: 5.5
θB: −15°
PSD GSE X-Z 02/20/02 20:08:30.00
max: 11.4
min: 5.2
θB: −12°
PSD GSE X-Z 02/20/02 20:09:0.000
max: 11.6
min: 5.6
θB: −16°
PSD GSE X-Z 02/20/02 20:09:30.00
max: 11.2
min: 4.7
θB: −12°
PSD GSE X-Z 02/20/02 20:10:0.000
max: 11.3
min: 5.2
θB: −13°
PSD GSE X-Z 02/20/02 20:10:30.00
max: 11.4
min: 4.8
θB: −19°
PSD GSE X-Z 02/20/02 20:11:0.000
max: 11.6
min: 5.5
θB: −10°
PSD GSE X-Z 02/20/02 20:11:30.00
max: 11.4
min: 6.1
θB: −10°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200

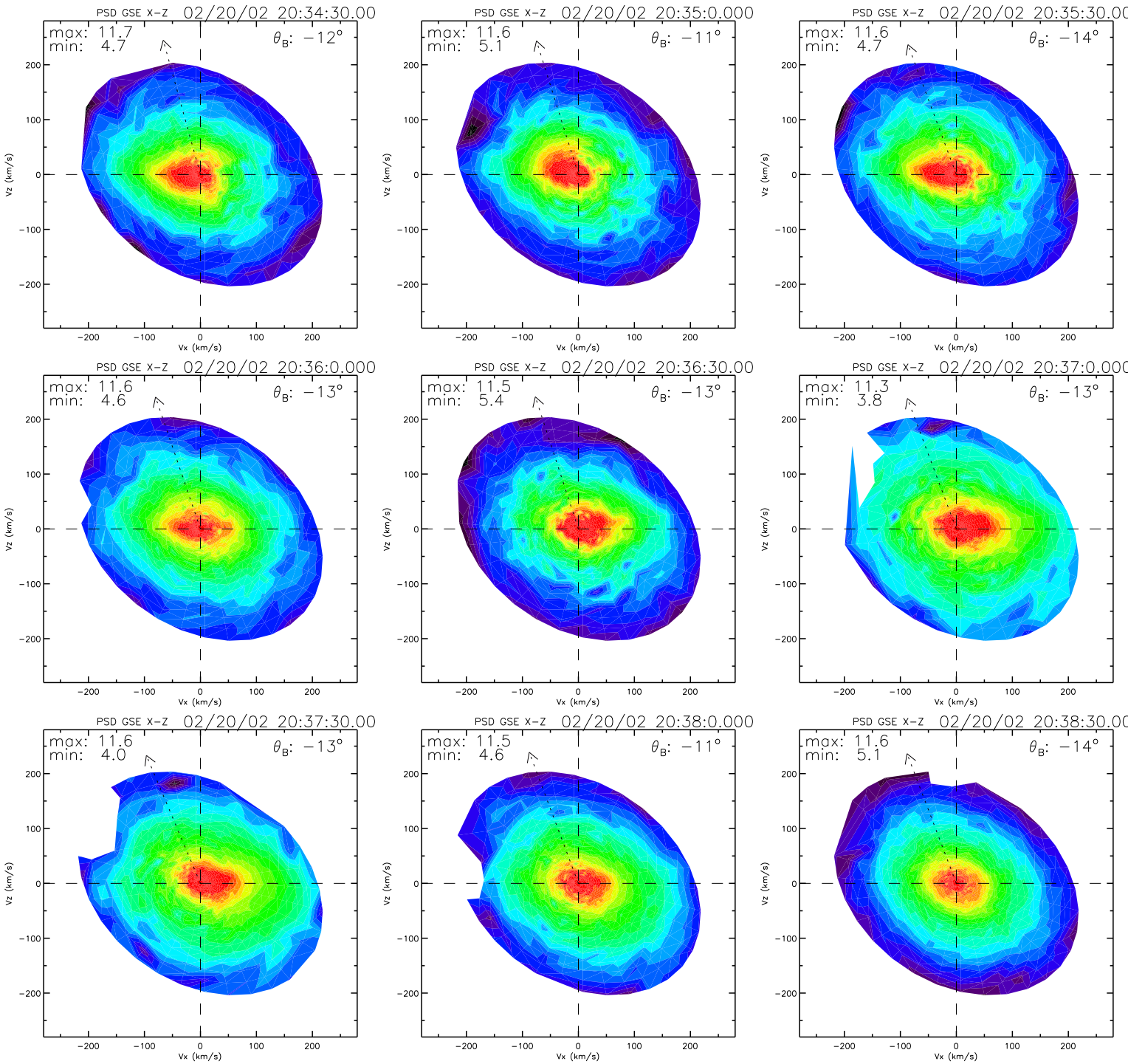

PSD GSE X-Z 02/20/02 20:12:0.000
max: 11.5
min: 5.2
θB: −9°
PSD GSE X-Z 02/20/02 20:12:30.00
max: 11.6
min: 6.7
θB: −16°
PSD GSE X-Z 02/20/02 20:13:0.000
max: 11.7
min: 6.7
θB: −16°
PSD GSE X-Z 02/20/02 20:13:30.00
max: 11.7
min: 6.1
θB: −11°
PSD GSE X-Z 02/20/02 20:14:0.000
max: 11.4
min: 5.1
θB: −14°
PSD GSE X-Z 02/20/02 20:14:30.00
max: 11.4
min: 4.9
θB: −14°
PSD GSE X-Z 02/20/02 20:15:0.000
max: 11.6
min: 5.5
θB: −15°
PSD GSE X-Z 02/20/02 20:15:30.00
max: 11.6
min: 7.5
θB: −19°
PSD GSE X-Z 02/20/02 20:16:0.000
max: 11.6
min: 7.8
θB: −28°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

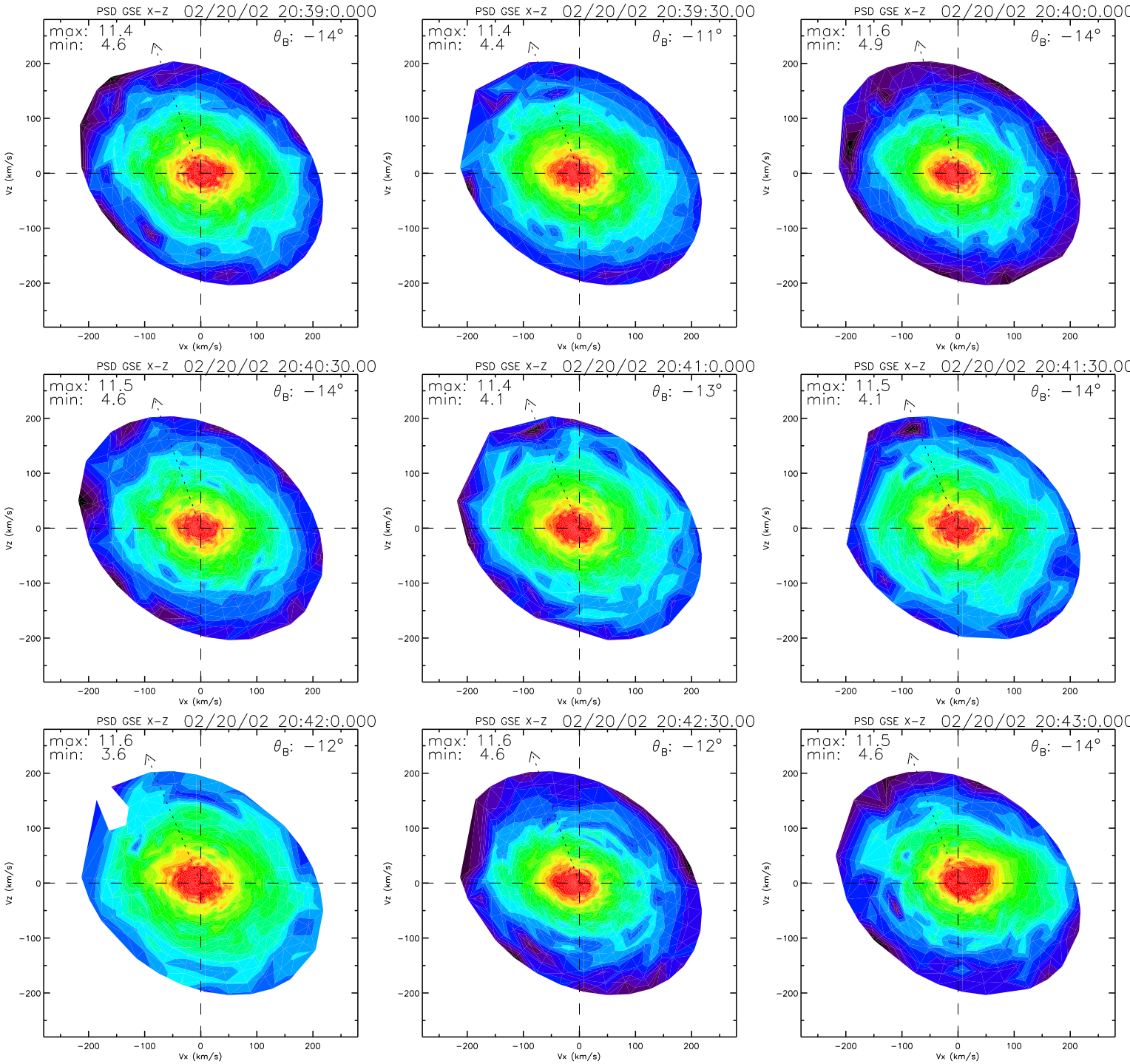

PSD GSE X-Z 02/20/02 20:16:30.00
max: 11.3
min: 5.1
θB: −19°
PSD GSE X-Z 02/20/02 20:17:0.000
max: 11.3
min: 3.5
θB: −14°
PSD GSE X-Z 02/20/02 20:17:30.00
max: 11.8
min: 4.2
θB: −15°
PSD GSE X-Z 02/20/02 20:18:0.000
max: 11.6
min: 4.4
θB: −16°
PSD GSE X-Z 02/20/02 20:18:30.00
max: 11.6
min: 4.1
θB: −14°
PSD GSE X-Z 02/20/02 20:19:0.000
max: 12.5
min: 4.7
θB: −14°
PSD GSE X-Z 02/20/02 20:19:30.00
max: 11.6
min: 4.4
θB: −12°
PSD GSE X-Z 02/20/02 20:20:0.000
max: 11.4
min: 5.1
θB: −11°
PSD GSE X-Z 02/20/02 20:20:30.00
max: 11.6
min: 5.5
θB: −13°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

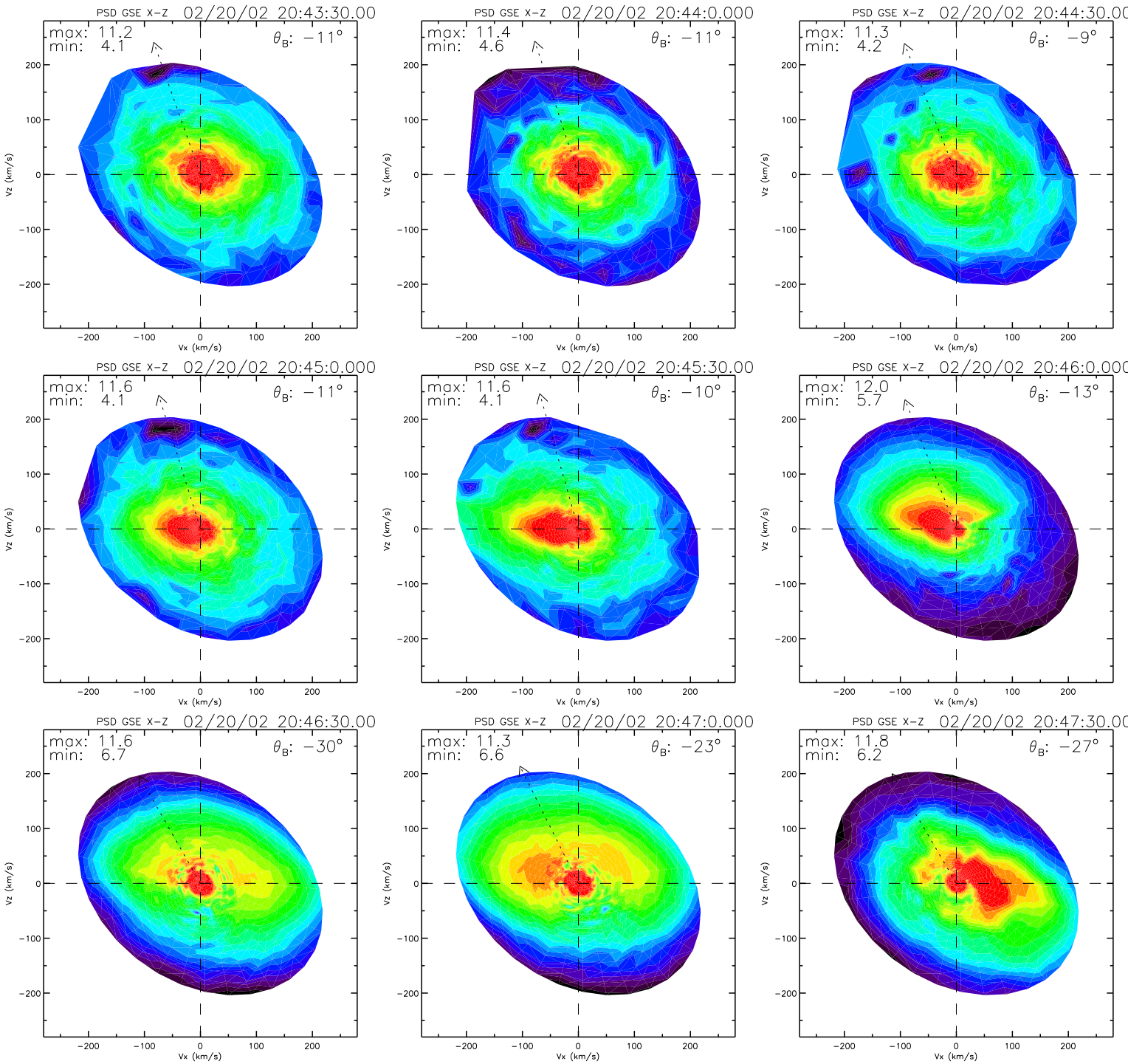

PSD GSE X-Z 02/20/02 20:21:0.000
max: 11.7
min: 4.8
θB: −12°
PSD GSE X-Z 02/20/02 20:21:30.00
max: 11.8
min: 5.1
θB: −15°
PSD GSE X-Z 02/20/02 20:22:0.000
max: 11.6
min: 5.6
θB: −15°
PSD GSE X-Z 02/20/02 20:22:30.00
max: 11.6
min: 5.1
θB: −14°
PSD GSE X-Z 02/20/02 20:23:0.000
max: 11.5
min: 5.6
θB: −16°
PSD GSE X-Z 02/20/02 20:23:30.00
max: 11.4
min: 5.4
θB: −14°
PSD GSE X-Z 02/20/02 20:24:0.000
max: 11.6
min: 5.4
θB: −12°
PSD GSE X-Z 02/20/02 20:24:30.00
max: 11.5
min: 5.1
θB: −14°
PSD GSE X-Z 02/20/02 20:25:0.000
max: 11.8
min: 5.5
θB: −16°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

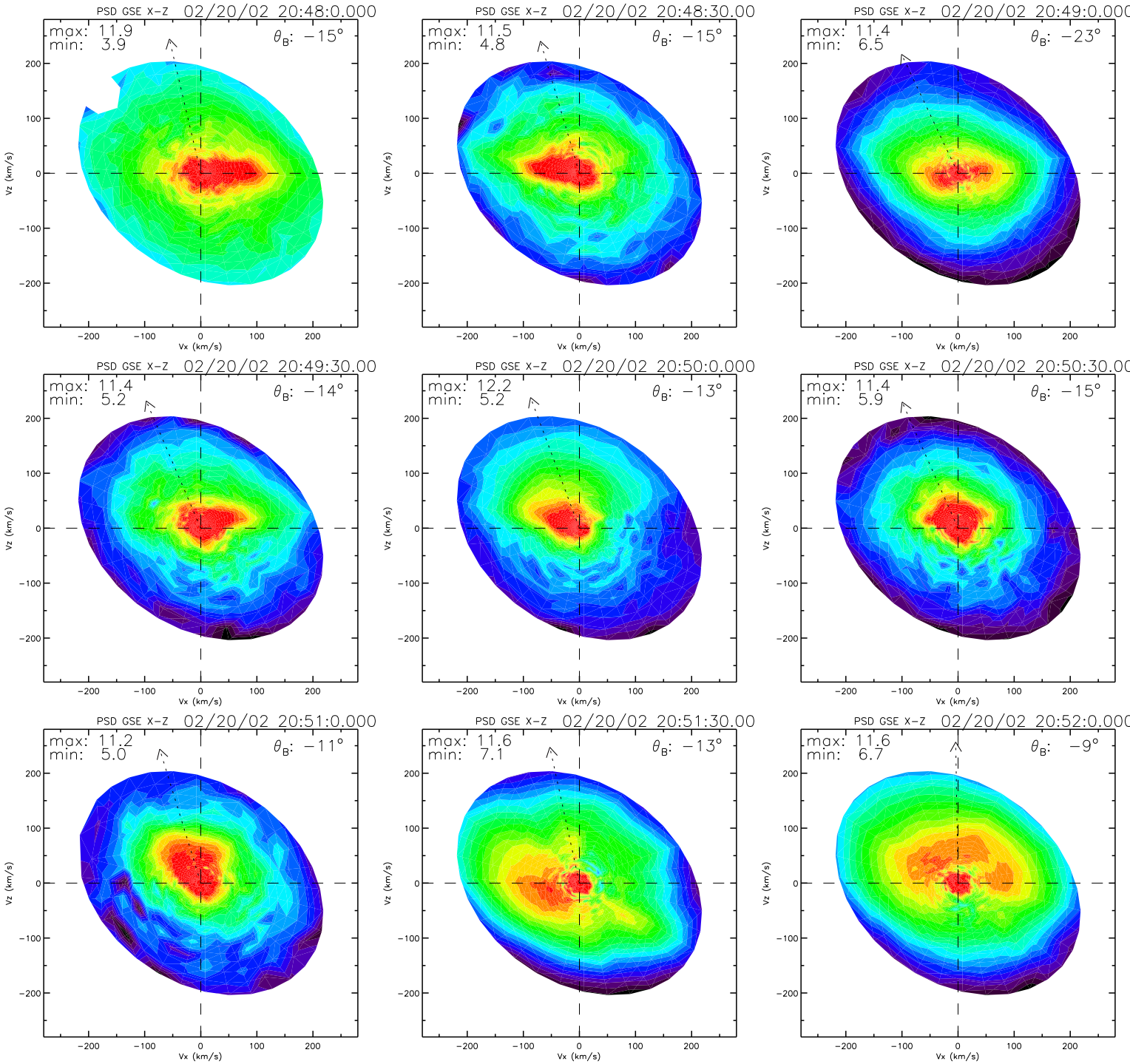

PSD GSE X-Z 02/20/02 20:25:30.00
max: 11.5
min: 5.6
θ_B: −16°
PSD GSE X-Z 02/20/02 20:26:0.000
max: 12.0
min: 5.8
θ_B: −14°
PSD GSE X-Z 02/20/02 20:26:30.00
max: 11.9
min: 4.3
θ_B: −13°
PSD GSE X-Z 02/20/02 20:27:0.000
max: 11.6
min: 4.4
θ_B: −12°
PSD GSE X-Z 02/20/02 20:27:30.00
max: 11.5
min: 3.8
θ_B: −13°
PSD GSE X-Z 02/20/02 20:28:0.000
max: 11.6
min: 4.6
θ_B: −15°
PSD GSE X-Z 02/20/02 20:28:30.00
max: 11.4
min: 4.3
θ_B: −15°
PSD GSE X-Z 02/20/02 20:29:0.000
max: 11.6
min: 4.7
θ_B: −11°
PSD GSE X-Z 02/20/02 20:29:30.00
max: 11.6
min: 4.2
θ_B: −12°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

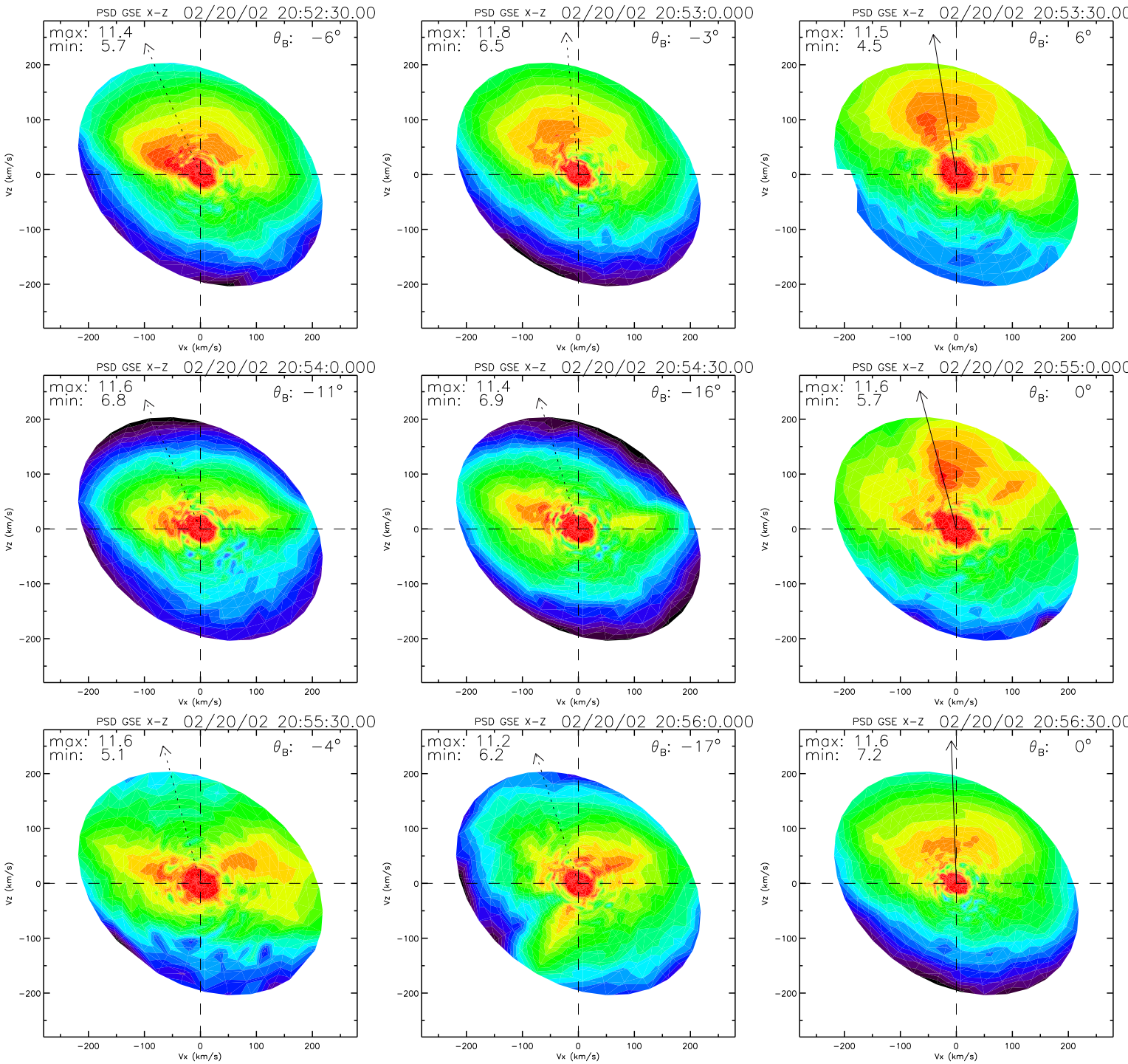

PSD GSE X-Z 02/20/02 20:30:0.000
max: 11.8
min: 4.6
θB: −12°
PSD GSE X-Z 02/20/02 20:30:30.00
max: 11.8
min: 4.6
θB: −16°
PSD GSE X-Z 02/20/02 20:31:0.000
max: 11.5
min: 4.6
θB: −14°
PSD GSE X-Z 02/20/02 20:31:30.00
max: 11.6
min: 4.5
θB: −12°
PSD GSE X-Z 02/20/02 20:32:0.000
max: 11.6
min: 4.2
θB: −13°
PSD GSE X-Z 02/20/02 20:32:30.00
max: 11.2
min: 4.1
θB: −13°
PSD GSE X-Z 02/20/02 20:33:0.000
max: 11.6
min: 4.6
θB: −11°
PSD GSE X-Z 02/20/02 20:33:30.00
max: 11.6
min: 4.9
θB: −12°
PSD GSE X-Z 02/20/02 20:34:0.000
max: 11.7
min: 5.1
θB: −10°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

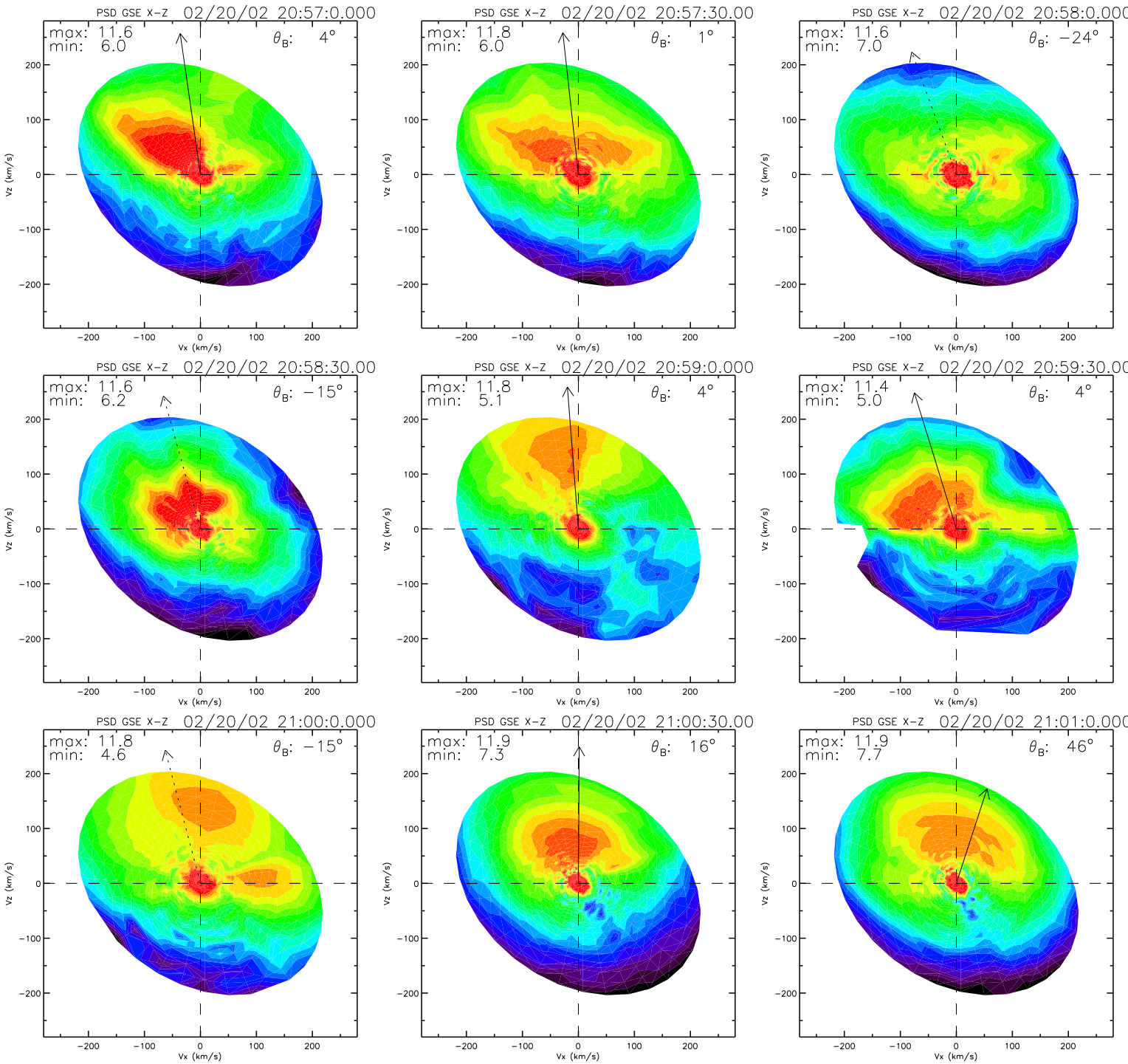

PSD GSE X-Z 02/20/02 20:34:30.00
max: 11.7
min: 4.7
θB: −12°
PSD GSE X-Z 02/20/02 20:35:0.000
max: 11.6
min: 5.1
θB: −11°
PSD GSE X-Z 02/20/02 20:35:30.00
max: 11.6
min: 4.7
θB: −14°
PSD GSE X-Z 02/20/02 20:36:0.000
max: 11.6
min: 4.6
θB: −13°
PSD GSE X-Z 02/20/02 20:36:30.00
max: 11.5
min: 5.4
θB: −13°
PSD GSE X-Z 02/20/02 20:37:0.000
max: 11.3
min: 3.8
θB: −13°
PSD GSE X-Z 02/20/02 20:37:30.00
max: 11.6
min: 4.0
θB: −13°
PSD GSE X-Z 02/20/02 20:38:0.000
max: 11.5
min: 4.6
θB: −11°
PSD GSE X-Z 02/20/02 20:38:30.00
max: 11.6
min: 5.1
θB: −14°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

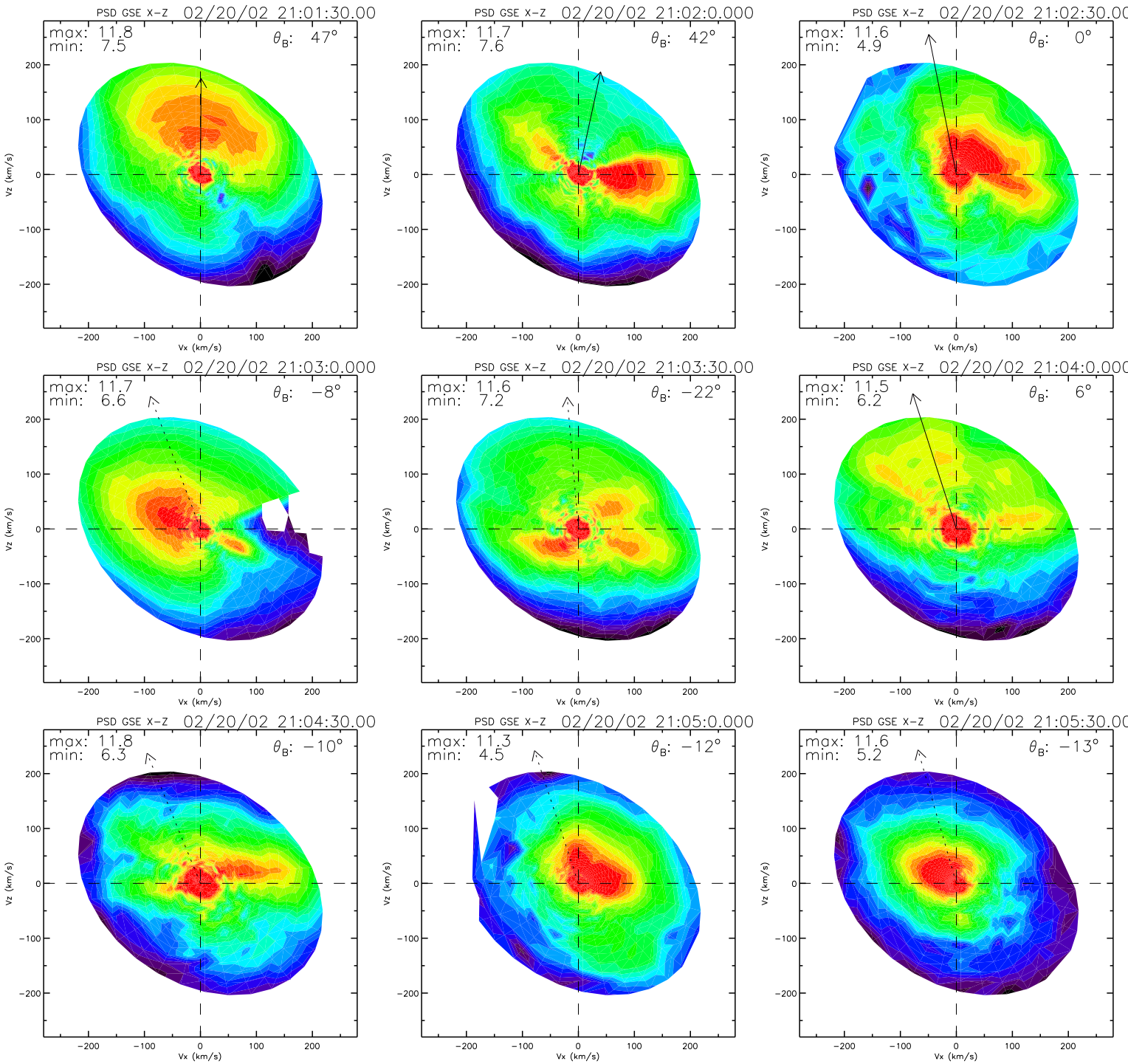

PSD GSE X-Z 02/20/02 20:39:0.000
max: 11.4
min: 4.6
θB: −14°
PSD GSE X-Z 02/20/02 20:39:30.00
max: 11.4
min: 4.4
θB: −11°
PSD GSE X-Z 02/20/02 20:40:0.000
max: 11.6
min: 4.9
θB: −14°
PSD GSE X-Z 02/20/02 20:40:30.00
max: 11.5
min: 4.6
θB: −14°
PSD GSE X-Z 02/20/02 20:41:0.000
max: 11.4
min: 4.1
θB: −13°
PSD GSE X-Z 02/20/02 20:41:30.00
max: 11.5
min: 4.1
θB: −14°
PSD GSE X-Z 02/20/02 20:42:0.000
max: 11.6
min: 3.6
θB: −12°
PSD GSE X-Z 02/20/02 20:42:30.00
max: 11.6
min: 4.6
θB: −12°
PSD GSE X-Z 02/20/02 20:43:0.000
max: 11.5
min: 4.6
θB: −14°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200

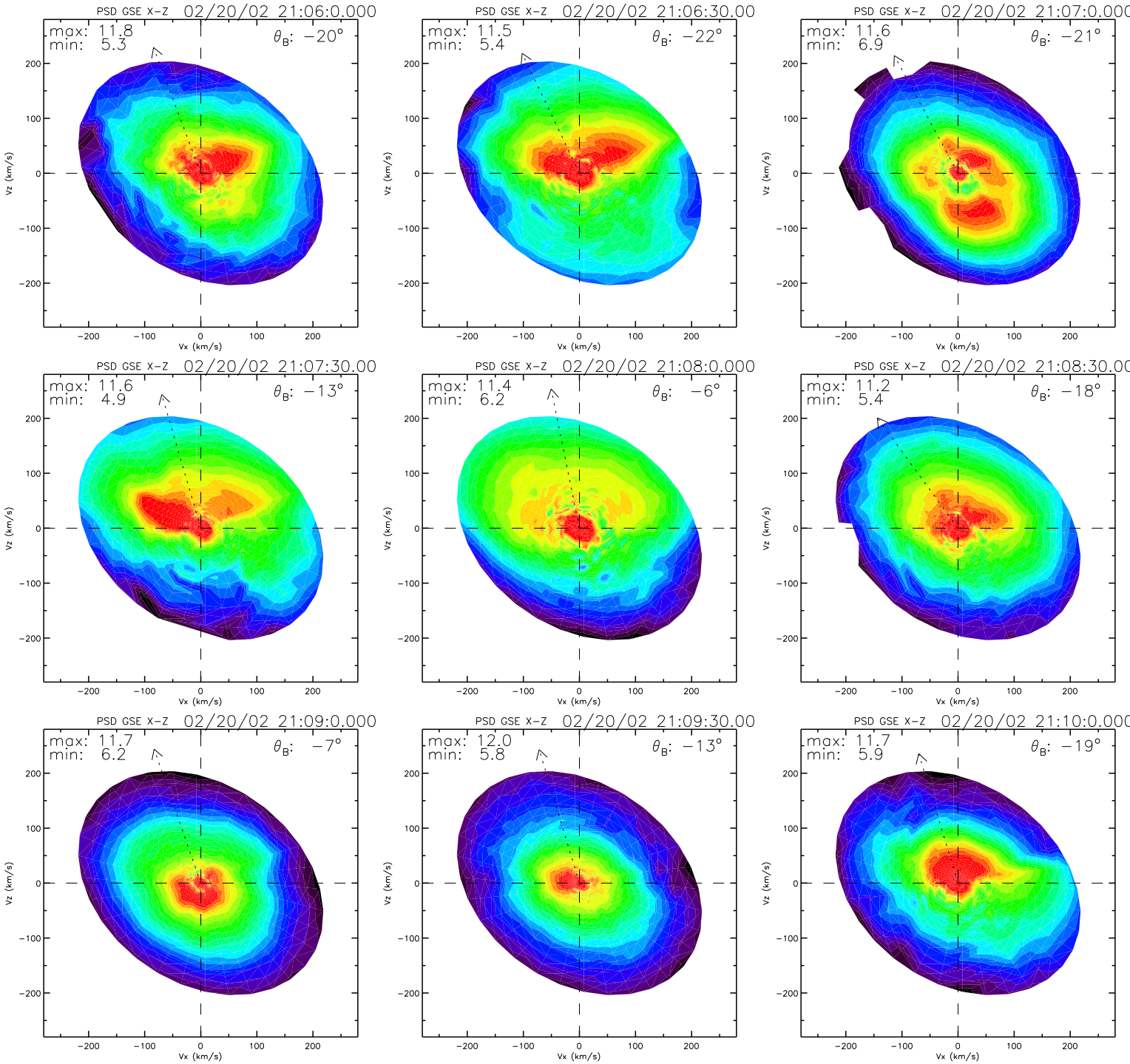

PSD GSE X-Z 02/20/02 20:43:30.00
max: 11.2
min: 4.1
θB: −11°
PSD GSE X-Z 02/20/02 20:44:0.000
max: 11.4
min: 4.6
θB: −11°
PSD GSE X-Z 02/20/02 20:44:30.00
max: 11.3
min: 4.2
θB: −9°
PSD GSE X-Z 02/20/02 20:45:0.000
max: 11.6
min: 4.1
θB: −11°
PSD GSE X-Z 02/20/02 20:45:30.00
max: 11.6
min: 4.1
θB: −10°
PSD GSE X-Z 02/20/02 20:46:0.000
max: 12.0
min: 5.7
θB: −13°
PSD GSE X-Z 02/20/02 20:46:30.00
max: 11.6
min: 6.7
θB: −30°
PSD GSE X-Z 02/20/02 20:47:0.000
max: 11.3
min: 6.6
θB: −23°
PSD GSE X-Z 02/20/02 20:47:30.00
max: 11.8
min: 6.2
θB: −27°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

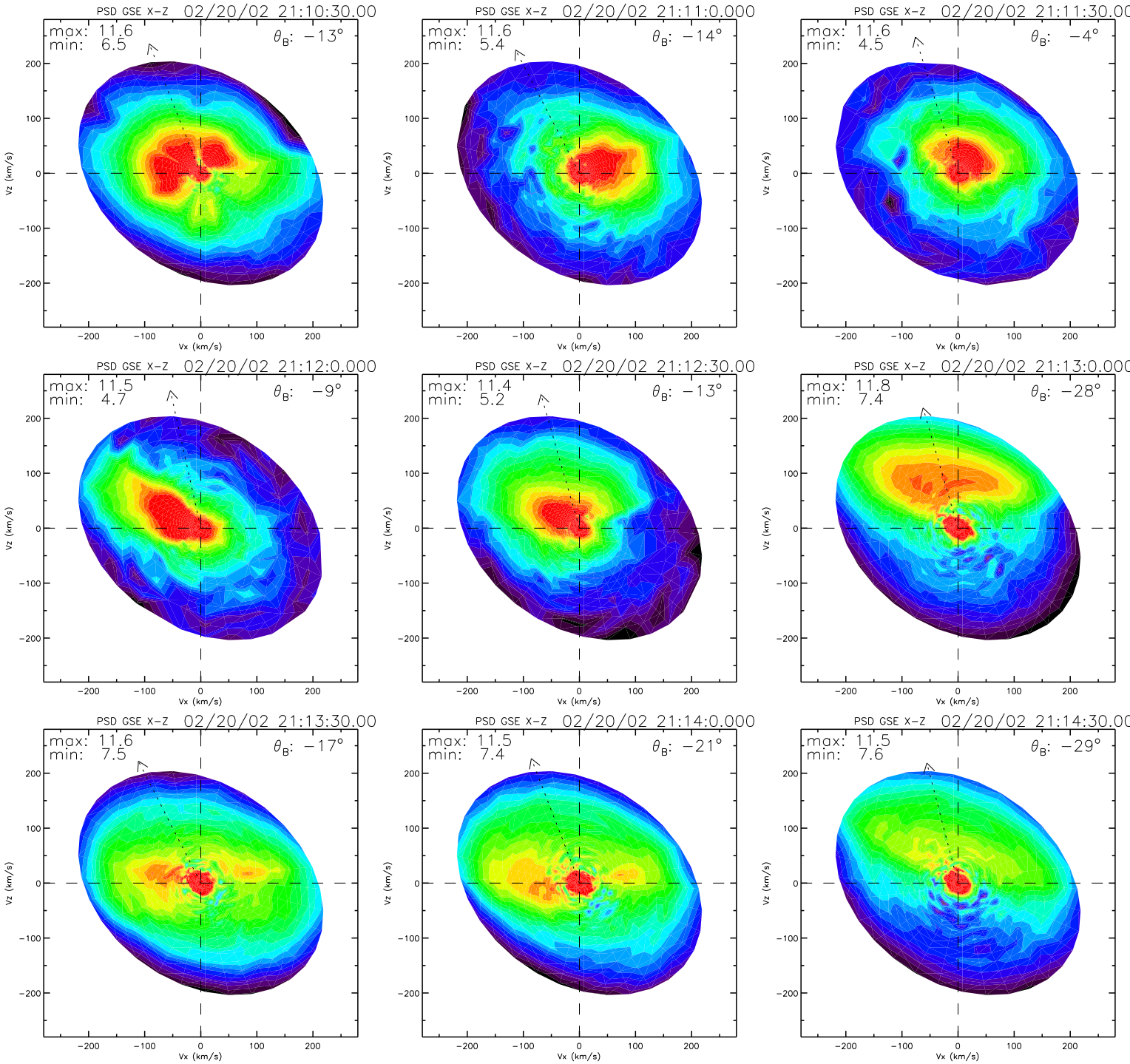

PSD GSE X-Z 02/20/02 20:48:0.000
max: 11.9
min: 3.9
θ_B: −15°
PSD GSE X-Z 02/20/02 20:48:30.00
max: 11.5
min: 4.8
θ_B: −15°
PSD GSE X-Z 02/20/02 20:49:0.000
max: 11.4
min: 6.5
θ_B: −23°
PSD GSE X-Z 02/20/02 20:49:30.00
max: 11.4
min: 5.2
θ_B: −14°
PSD GSE X-Z 02/20/02 20:50:0.000
max: 12.2
min: 5.2
θ_B: −13°
PSD GSE X-Z 02/20/02 20:50:30.00
max: 11.4
min: 5.9
θ_B: −15°
PSD GSE X-Z 02/20/02 20:51:0.000
max: 11.2
min: 5.0
θ_B: −11°
PSD GSE X-Z 02/20/02 20:51:30.00
max: 11.6
min: 7.1
θ_B: −13°
PSD GSE X-Z 02/20/02 20:52:0.000
max: 11.6
min: 6.7
θ_B: −9°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

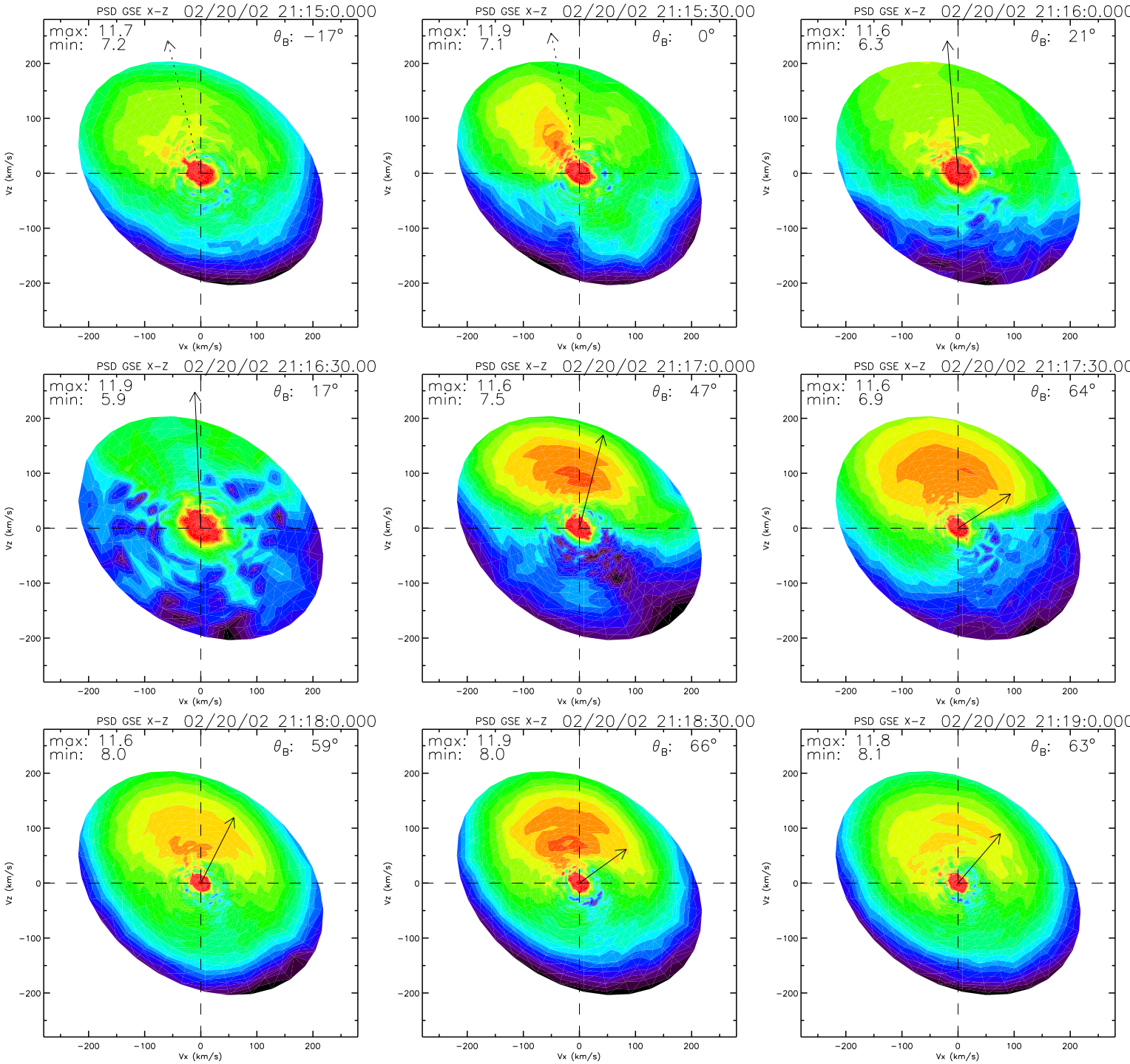

PSD GSE X-Z 02/20/02 20:52:30.00
max: 11.4
min: 5.7
θB: −6°
PSD GSE X-Z 02/20/02 20:53:0.000
max: 11.8
min: 6.5
θB: −3°
PSD GSE X-Z 02/20/02 20:53:30.00
max: 11.5
min: 4.5
θB: 6°
PSD GSE X-Z 02/20/02 20:54:0.000
max: 11.6
min: 6.8
θB: −11°
PSD GSE X-Z 02/20/02 20:54:30.00
max: 11.4
min: 6.9
θB: −16°
PSD GSE X-Z 02/20/02 20:55:0.000
max: 11.6
min: 5.7
θB: 0°
PSD GSE X-Z 02/20/02 20:55:30.00
max: 11.6
min: 5.1
θB: −4°
PSD GSE X-Z 02/20/02 20:56:0.000
max: 11.2
min: 6.2
θB: −17°
PSD GSE X-Z 02/20/02 20:56:30.00
max: 11.6
min: 7.2
θB: 0°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200

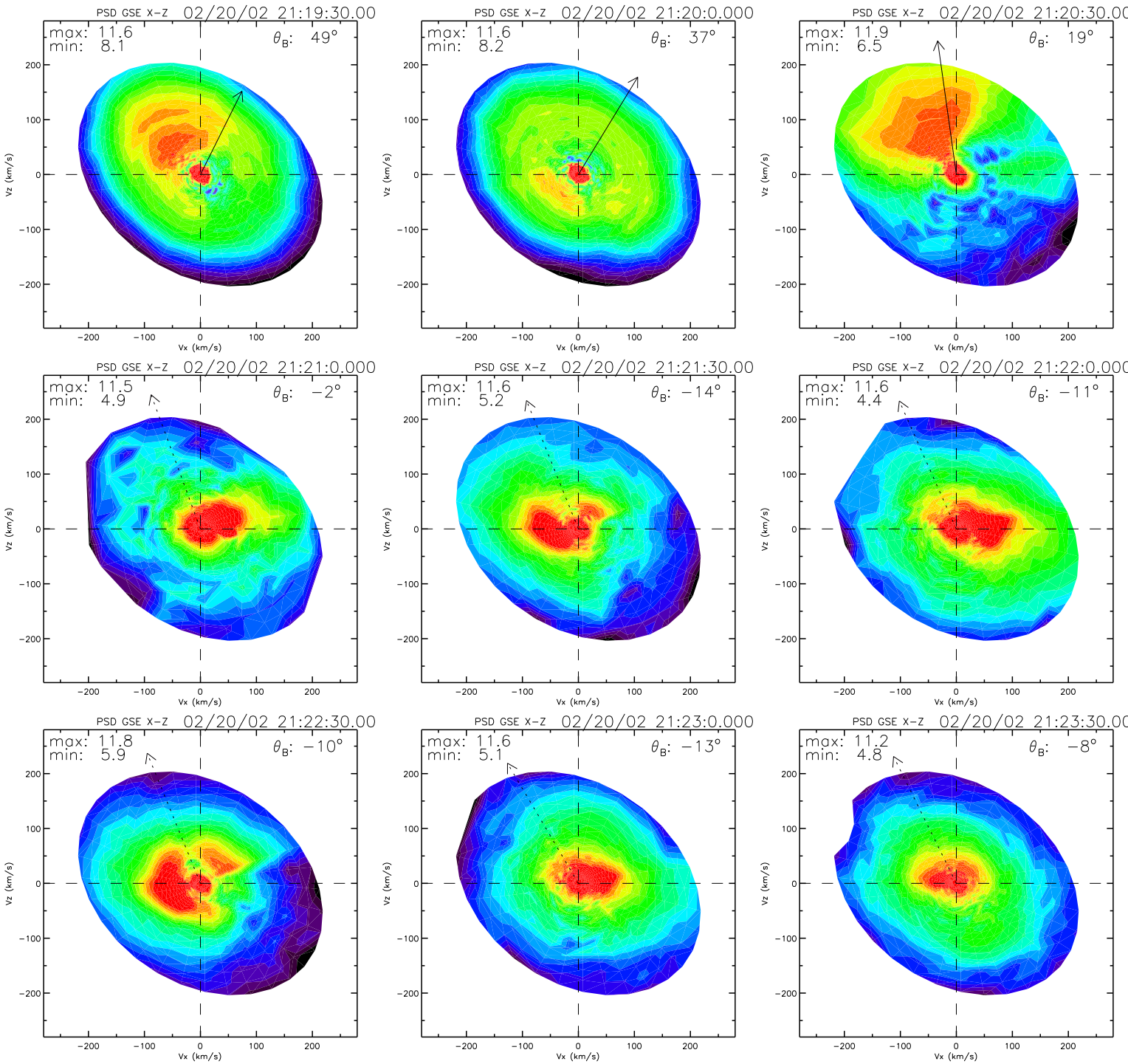

PSD GSE X-Z 02/20/02 20:57:0.000
max: 11.6
min: 6.0
θB: 4°
PSD GSE X-Z 02/20/02 20:57:30.00
max: 11.8
min: 6.0
θB: 1°
PSD GSE X-Z 02/20/02 20:58:0.000
max: 11.6
min: 7.0
θB: −24°
PSD GSE X-Z 02/20/02 20:58:30.00
max: 11.6
min: 6.2
θB: −15°
PSD GSE X-Z 02/20/02 20:59:0.000
max: 11.8
min: 5.1
θB: 4°
PSD GSE X-Z 02/20/02 20:59:30.00
max: 11.4
min: 5.0
θB: 4°
PSD GSE X-Z 02/20/02 21:00:0.000
max: 11.8
min: 4.6
θB: −15°
PSD GSE X-Z 02/20/02 21:00:30.00
max: 11.9
min: 7.3
θB: 16°
PSD GSE X-Z 02/20/02 21:01:0.000
max: 11.9
min: 7.7
θB: 46°
Vx (km/s)
Vz (km/s)

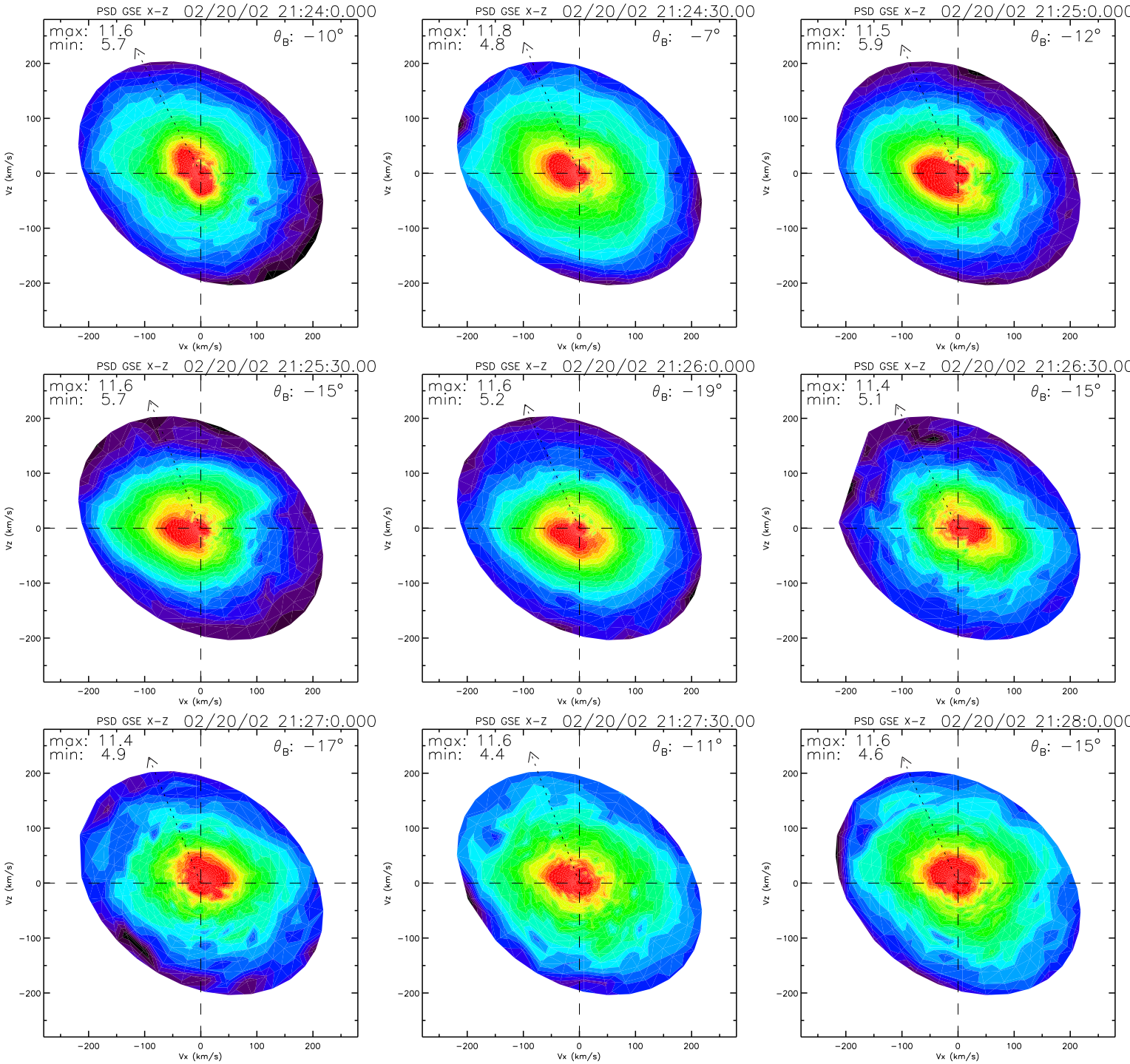

PSD GSE X-Z 02/20/02 21:01:30.00
max: 11.8
min: 7.5
θB: 47°
PSD GSE X-Z 02/20/02 21:02:0.000
max: 11.7
min: 7.6
θB: 42°
PSD GSE X-Z 02/20/02 21:02:30.00
max: 11.6
min: 4.9
θB: 0°
PSD GSE X-Z 02/20/02 21:03:0.000
max: 11.7
min: 6.6
θB: −8°
PSD GSE X-Z 02/20/02 21:03:30.00
max: 11.6
min: 7.2
θB: −22°
PSD GSE X-Z 02/20/02 21:04:0.000
max: 11.5
min: 6.2
θB: 6°
PSD GSE X-Z 02/20/02 21:04:30.00
max: 11.8
min: 6.3
θB: −10°
PSD GSE X-Z 02/20/02 21:05:0.000
max: 11.3
min: 4.5
θB: −12°
PSD GSE X-Z 02/20/02 21:05:30.00
max: 11.6
min: 5.2
θB: −13°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

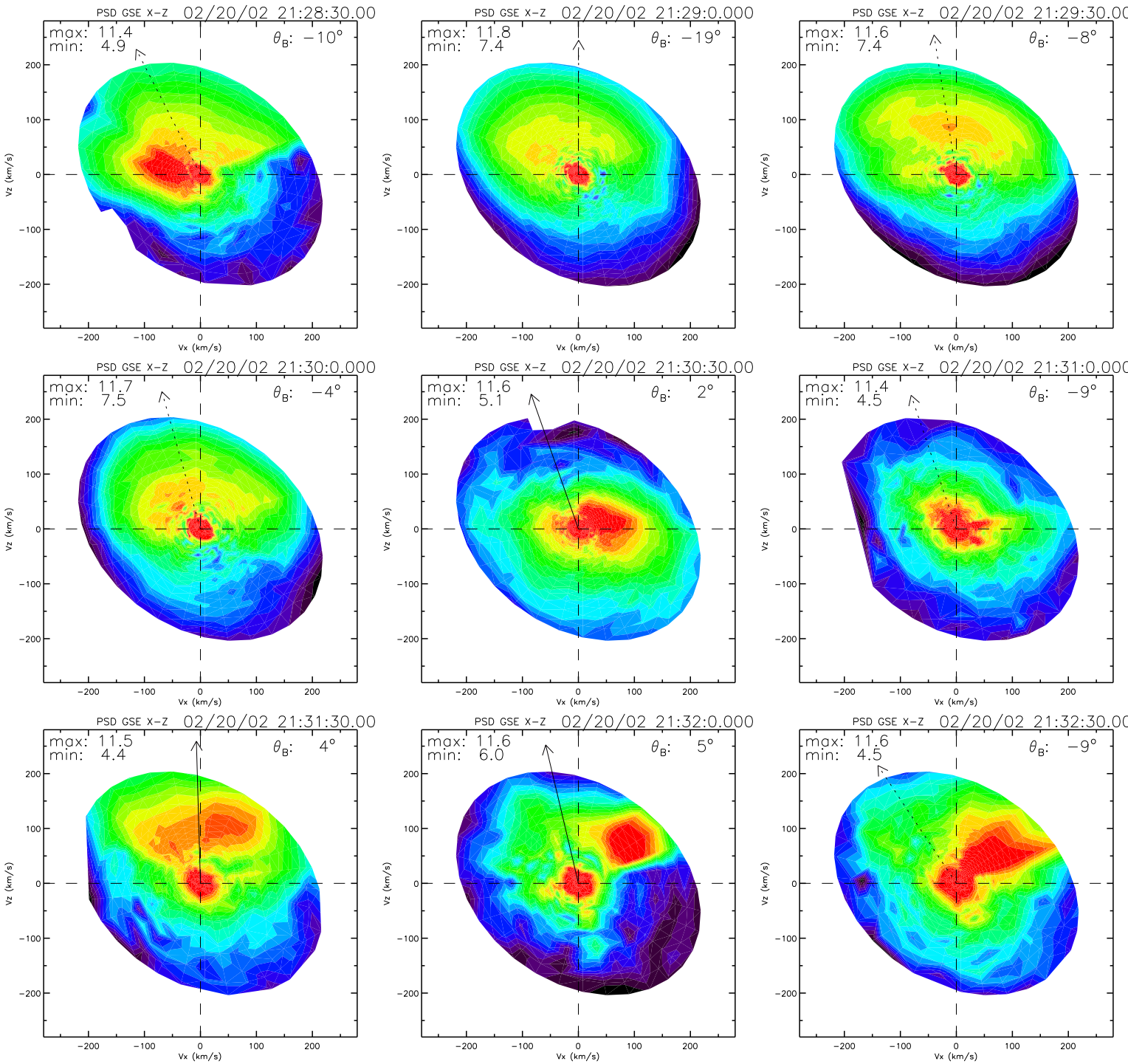

PSD GSE X-Z 02/20/02 21:06:0.000
max: 11.8
min: 5.3
θ_B: −20°
PSD GSE X-Z 02/20/02 21:06:30.00
max: 11.5
min: 5.4
θ_B: −22°
PSD GSE X-Z 02/20/02 21:07:0.000
max: 11.6
min: 6.9
θ_B: −21°
PSD GSE X-Z 02/20/02 21:07:30.00
max: 11.6
min: 4.9
θ_B: −13°
PSD GSE X-Z 02/20/02 21:08:0.000
max: 11.4
min: 6.2
θ_B: −6°
PSD GSE X-Z 02/20/02 21:08:30.00
max: 11.2
min: 5.4
θ_B: −18°
PSD GSE X-Z 02/20/02 21:09:0.000
max: 11.7
min: 6.2
θ_B: −7°
PSD GSE X-Z 02/20/02 21:09:30.00
max: 12.0
min: 5.8
θ_B: −13°
PSD GSE X-Z 02/20/02 21:10:0.000
max: 11.7
min: 5.9
θ_B: −19°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

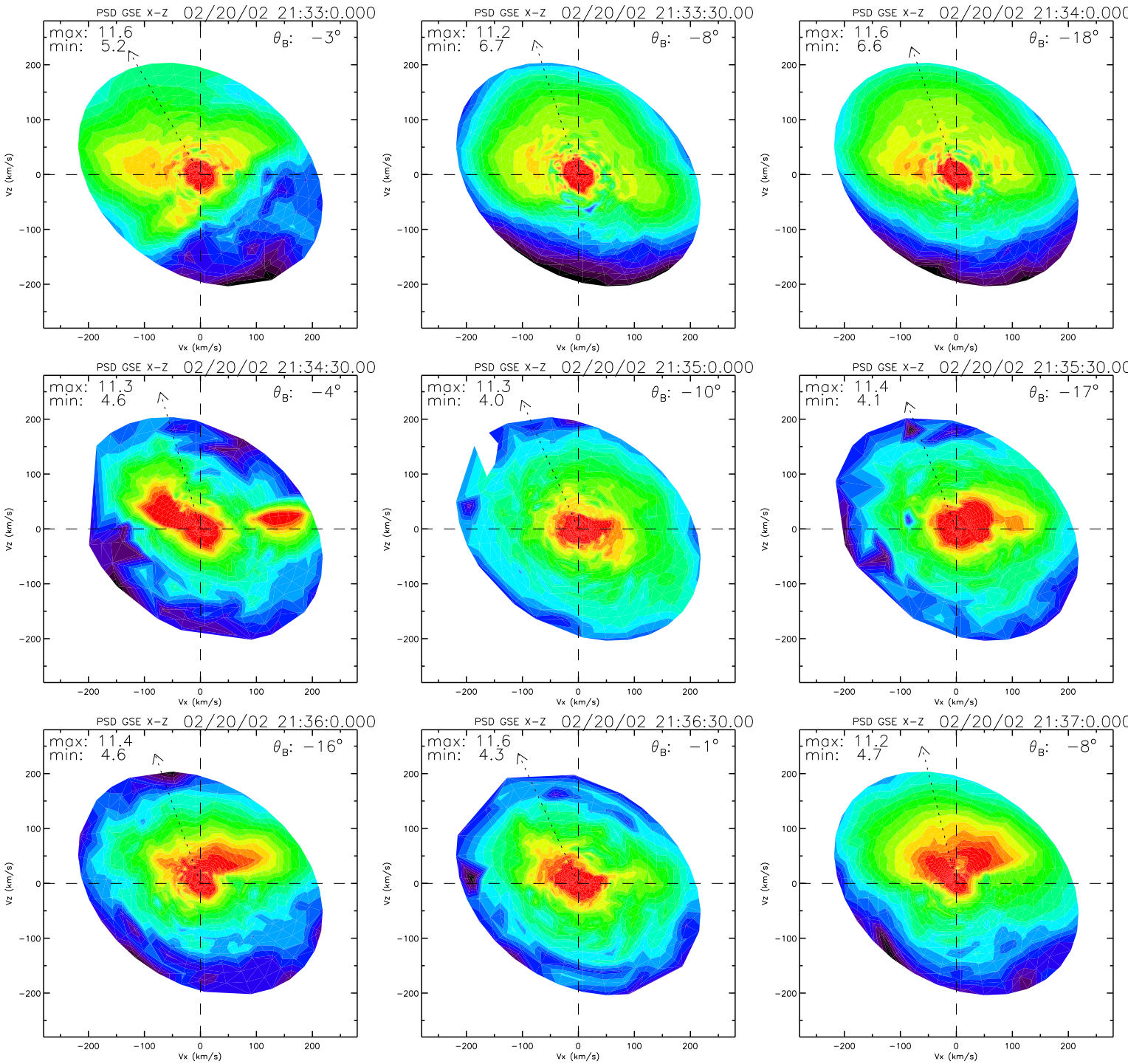

PSD GSE X-Z 02/20/02 21:10:30.00
max: 11.6
min: 6.5
θB: −13°
PSD GSE X-Z 02/20/02 21:11:0.000
max: 11.6
min: 5.4
θB: −14°
PSD GSE X-Z 02/20/02 21:11:30.00
max: 11.6
min: 4.5
θB: −4°
PSD GSE X-Z 02/20/02 21:12:0.000
max: 11.5
min: 4.7
θB: −9°
PSD GSE X-Z 02/20/02 21:12:30.00
max: 11.4
min: 5.2
θB: −13°
PSD GSE X-Z 02/20/02 21:13:0.000
max: 11.8
min: 7.4
θB: −28°
PSD GSE X-Z 02/20/02 21:13:30.00
max: 11.6
min: 7.5
θB: −17°
PSD GSE X-Z 02/20/02 21:14:0.000
max: 11.5
min: 7.4
θB: −21°
PSD GSE X-Z 02/20/02 21:14:30.00
max: 11.5
min: 7.6
θB: −29°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200

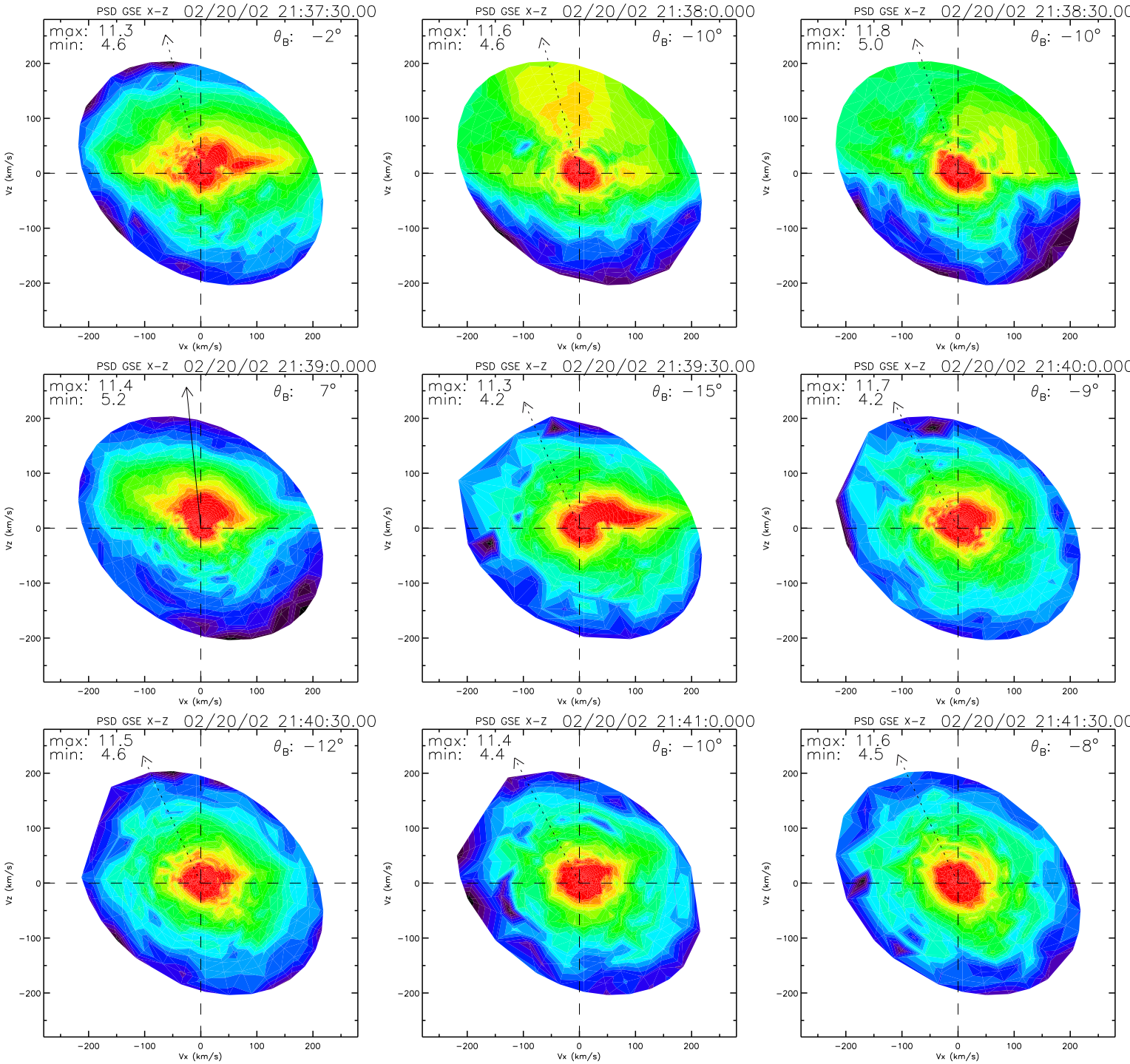

PSD GSE X-Z 02/20/02 21:15:0.000
max: 11.7
min: 7.2
θB: −17°
PSD GSE X-Z 02/20/02 21:15:30.00
max: 11.9
min: 7.1
θB: 0°
PSD GSE X-Z 02/20/02 21:16:0.000
max: 11.6
min: 6.3
θB: 21°
PSD GSE X-Z 02/20/02 21:16:30.00
max: 11.9
min: 5.9
θB: 17°
PSD GSE X-Z 02/20/02 21:17:0.000
max: 11.6
min: 7.5
θB: 47°
PSD GSE X-Z 02/20/02 21:17:30.00
max: 11.6
min: 6.9
θB: 64°
PSD GSE X-Z 02/20/02 21:18:0.000
max: 11.6
min: 8.0
θB: 59°
PSD GSE X-Z 02/20/02 21:18:30.00
max: 11.9
min: 8.0
θB: 66°
PSD GSE X-Z 02/20/02 21:19:0.000
max: 11.8
min: 8.1
θB: 63°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

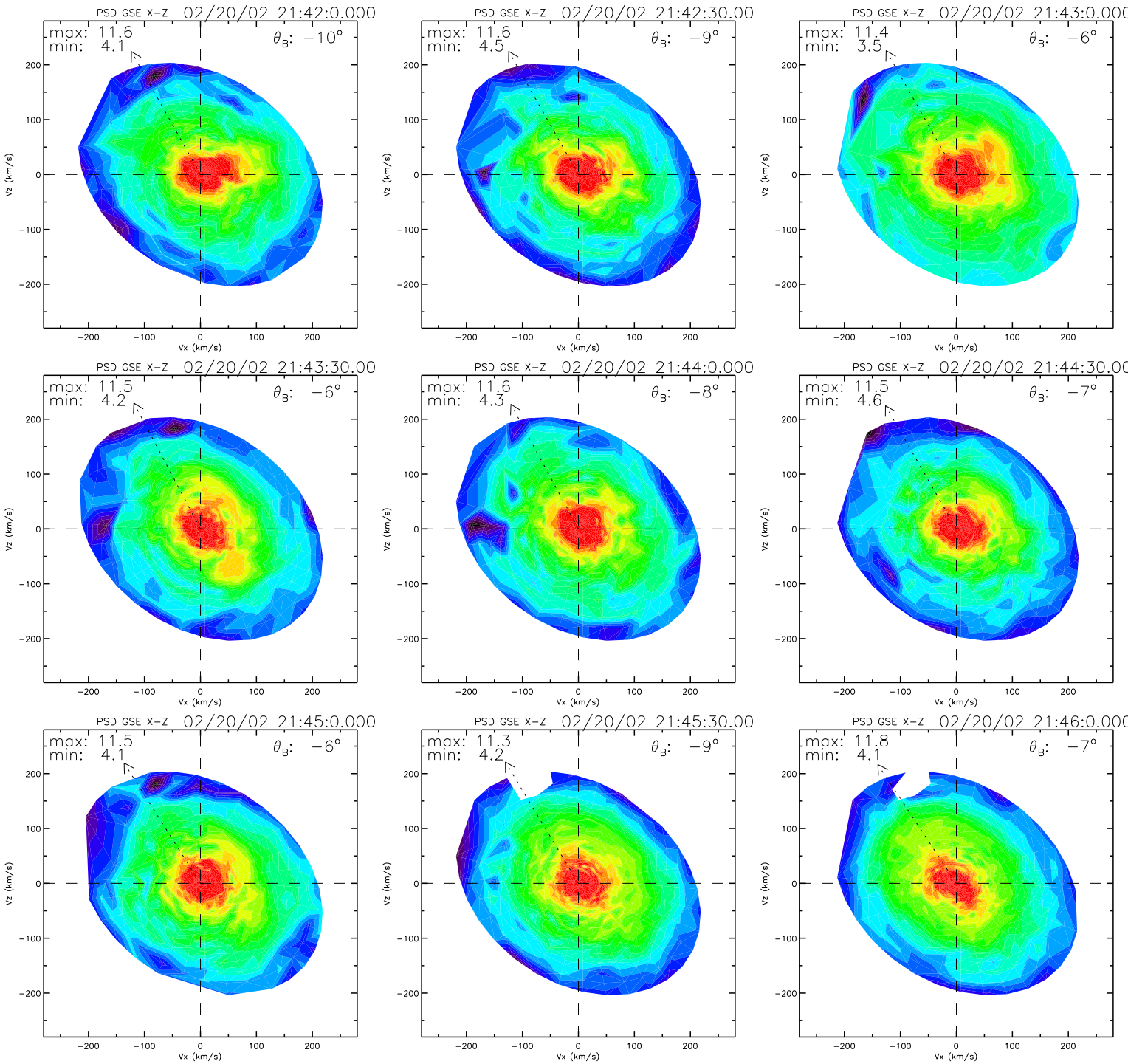

PSD GSE X-Z 02/20/02 21:19:30.00
max: 11.6
min: 8.1
θB: 49°
PSD GSE X-Z 02/20/02 21:20:0.000
max: 11.6
min: 8.2
θB: 37°
PSD GSE X-Z 02/20/02 21:20:30.00
max: 11.9
min: 6.5
θB: 19°
PSD GSE X-Z 02/20/02 21:21:0.000
max: 11.5
min: 4.9
θB: −2°
PSD GSE X-Z 02/20/02 21:21:30.00
max: 11.6
min: 5.2
θB: −14°
PSD GSE X-Z 02/20/02 21:22:0.000
max: 11.6
min: 4.4
θB: −11°
PSD GSE X-Z 02/20/02 21:22:30.00
max: 11.8
min: 5.9
θB: −10°
PSD GSE X-Z 02/20/02 21:23:0.000
max: 11.6
min: 5.1
θB: −13°
PSD GSE X-Z 02/20/02 21:23:30.00
max: 11.2
min: 4.8
θB: −8°
Vx (km/s)
Vz (km/s)

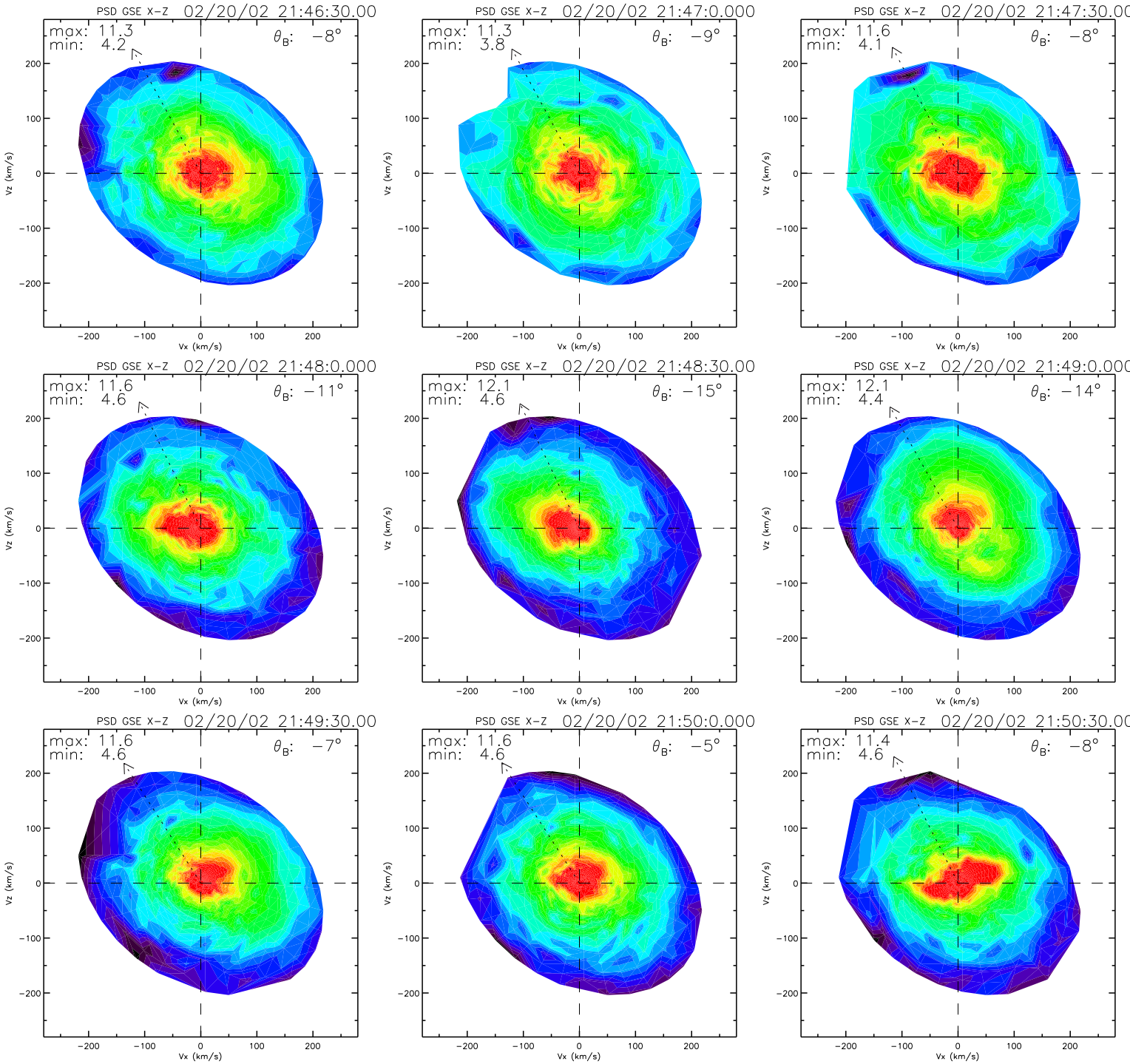

PSD GSE X-Z 02/20/02 21:24:0.000
max: 11.6
min: 5.7
θ_B: −10°
PSD GSE X-Z 02/20/02 21:24:30.00
max: 11.8
min: 4.8
θ_B: −7°
PSD GSE X-Z 02/20/02 21:25:0.000
max: 11.5
min: 5.9
θ_B: −12°
PSD GSE X-Z 02/20/02 21:25:30.00
max: 11.6
min: 5.7
θ_B: −15°
PSD GSE X-Z 02/20/02 21:26:0.000
max: 11.6
min: 5.2
θ_B: −19°
PSD GSE X-Z 02/20/02 21:26:30.00
max: 11.4
min: 5.1
θ_B: −15°
PSD GSE X-Z 02/20/02 21:27:0.000
max: 11.4
min: 4.9
θ_B: −17°
PSD GSE X-Z 02/20/02 21:27:30.00
max: 11.6
min: 4.4
θ_B: −11°
PSD GSE X-Z 02/20/02 21:28:0.000
max: 11.6
min: 4.6
θ_B: −15°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

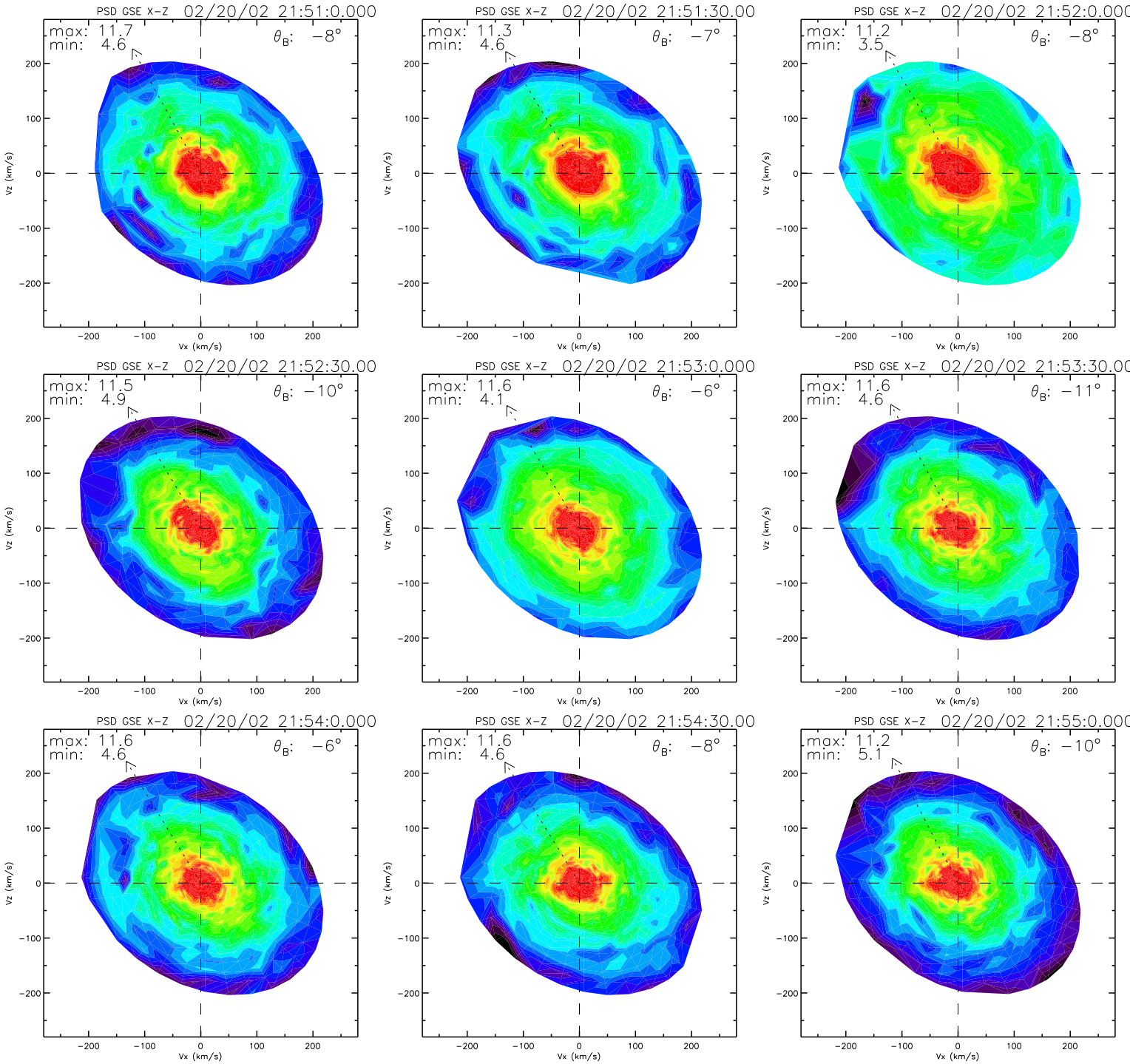

PSD GSE X-Z 02/20/02 21:28:30.00
max: 11.4
min: 4.9
θB: −10°
PSD GSE X-Z 02/20/02 21:29:0.000
max: 11.8
min: 7.4
θB: −19°
PSD GSE X-Z 02/20/02 21:29:30.00
max: 11.6
min: 7.4
θB: −8°
PSD GSE X-Z 02/20/02 21:30:0.000
max: 11.7
min: 7.5
θB: −4°
PSD GSE X-Z 02/20/02 21:30:30.00
max: 11.6
min: 5.1
θB: 2°
PSD GSE X-Z 02/20/02 21:31:0.000
max: 11.4
min: 4.5
θB: −9°
PSD GSE X-Z 02/20/02 21:31:30.00
max: 11.5
min: 4.4
θB: 4°
PSD GSE X-Z 02/20/02 21:32:0.000
max: 11.6
min: 6.0
θB: 5°
PSD GSE X-Z 02/20/02 21:32:30.00
max: 11.6
min: 4.5
θB: −9°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200

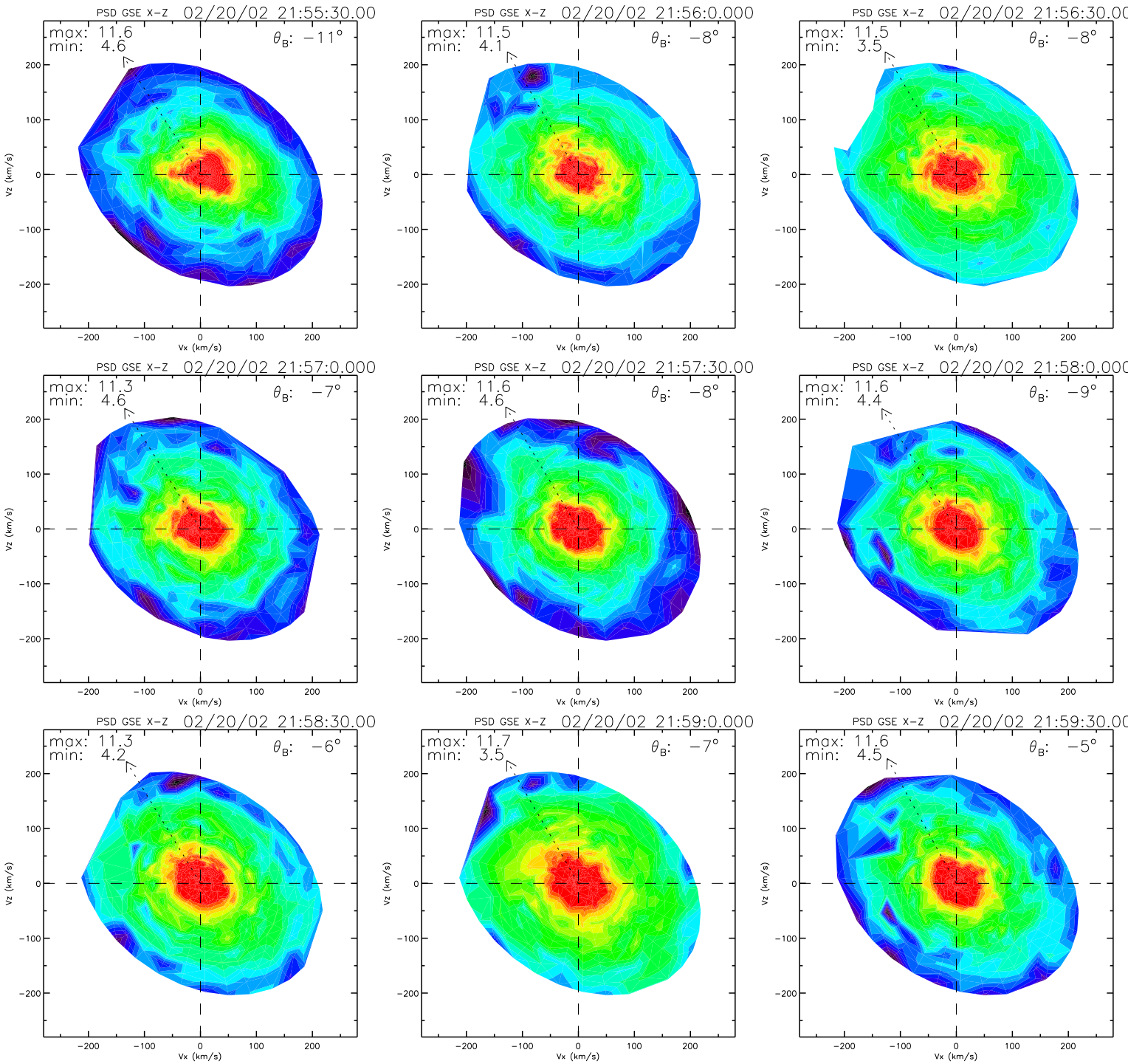

PSD GSE X-Z 02/20/02 21:33:0.000
max: 11.6
min: 5.2
θB: −3°
PSD GSE X-Z 02/20/02 21:33:30.00
max: 11.2
min: 6.7
θB: −8°
PSD GSE X-Z 02/20/02 21:34:0.000
max: 11.6
min: 6.6
θB: −18°
PSD GSE X-Z 02/20/02 21:34:30.00
max: 11.3
min: 4.6
θB: −4°
PSD GSE X-Z 02/20/02 21:35:0.000
max: 11.3
min: 4.0
θB: −10°
PSD GSE X-Z 02/20/02 21:35:30.00
max: 11.4
min: 4.1
θB: −17°
PSD GSE X-Z 02/20/02 21:36:0.000
max: 11.4
min: 4.6
θB: −16°
PSD GSE X-Z 02/20/02 21:36:30.00
max: 11.6
min: 4.3
θB: −1°
PSD GSE X-Z 02/20/02 21:37:0.000
max: 11.2
min: 4.7
θB: −8°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200

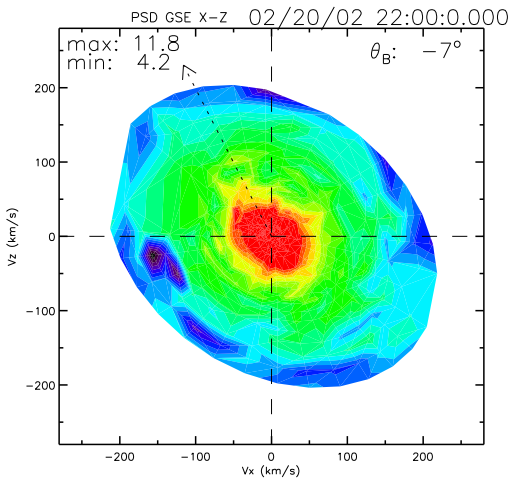

PSD GSE X-Z 02/20/02 21:37:30.00
max: 11.3
min: 4.6
θB: −2°
PSD GSE X-Z 02/20/02 21:38:0.000
max: 11.6
min: 4.6
θB: −10°
PSD GSE X-Z 02/20/02 21:38:30.00
max: 11.8
min: 5.0
θB: −10°
PSD GSE X-Z 02/20/02 21:39:0.000
max: 11.4
min: 5.2
θB: 7°
PSD GSE X-Z 02/20/02 21:39:30.00
max: 11.3
min: 4.2
θB: −15°
PSD GSE X-Z 02/20/02 21:40:0.000
max: 11.7
min: 4.2
θB: −9°
PSD GSE X-Z 02/20/02 21:40:30.00
max: 11.5
min: 4.6
θB: −12°
PSD GSE X-Z 02/20/02 21:41:0.000
max: 11.4
min: 4.4
θB: −10°
PSD GSE X-Z 02/20/02 21:41:30.00
max: 11.6
min: 4.5
θB: −8°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200


PSD GSE X-Z 02/20/02 21:42:0.000
max: 11.6
min: 4.1
θB: −10°
PSD GSE X-Z 02/20/02 21:42:30.00
max: 11.6
min: 4.5
θB: −9°
PSD GSE X-Z 02/20/02 21:43:0.000
max: 11.4
min: 3.5
θB: −6°
PSD GSE X-Z 02/20/02 21:43:30.00
max: 11.5
min: 4.2
θB: −6°
PSD GSE X-Z 02/20/02 21:44:0.000
max: 11.6
min: 4.3
θB: −8°
PSD GSE X-Z 02/20/02 21:44:30.00
max: 11.5
min: 4.6
θB: −7°
PSD GSE X-Z 02/20/02 21:45:0.000
max: 11.5
min: 4.1
θB: −6°
PSD GSE X-Z 02/20/02 21:45:30.00
max: 11.3
min: 4.2
θB: −9°
PSD GSE X-Z 02/20/02 21:46:0.000
max: 11.8
min: 4.1
θB: −7°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200


PSD GSE X-Z 02/20/02 21:46:30.00
max: 11.3
min: 4.2
θB: −8°
PSD GSE X-Z 02/20/02 21:47:0.000
max: 11.3
min: 3.8
θB: −9°
PSD GSE X-Z 02/20/02 21:47:30.00
max: 11.6
min: 4.1
θB: −8°
PSD GSE X-Z 02/20/02 21:48:0.000
max: 11.6
min: 4.6
θB: −11°
PSD GSE X-Z 02/20/02 21:48:30.00
max: 12.1
min: 4.6
θB: −15°
PSD GSE X-Z 02/20/02 21:49:0.000
max: 12.1
min: 4.4
θB: −14°
PSD GSE X-Z 02/20/02 21:49:30.00
max: 11.6
min: 4.6
θB: −7°
PSD GSE X-Z 02/20/02 21:50:0.000
max: 11.6
min: 4.6
θB: −5°
PSD GSE X-Z 02/20/02 21:50:30.00
max: 11.4
min: 4.6
θB: −8°
Vx (km/s)
Vz (km/s)


PSD GSE X-Z 02/20/02 21:51:0.000
max: 11.7
min: 4.6
θB: −8°
PSD GSE X-Z 02/20/02 21:51:30.00
max: 11.3
min: 4.6
θB: −7°
PSD GSE X-Z 02/20/02 21:52:0.000
max: 11.2
min: 3.5
θB: −8°
PSD GSE X-Z 02/20/02 21:52:30.00
max: 11.5
min: 4.9
θB: −10°
PSD GSE X-Z 02/20/02 21:53:0.000
max: 11.6
min: 4.1
θB: −6°
PSD GSE X-Z 02/20/02 21:53:30.00
max: 11.6
min: 4.6
θB: −11°
PSD GSE X-Z 02/20/02 21:54:0.000
max: 11.6
min: 4.6
θB: −6°
PSD GSE X-Z 02/20/02 21:54:30.00
max: 11.6
min: 4.6
θB: −8°
PSD GSE X-Z 02/20/02 21:55:0.000
max: 11.2
min: 5.1
θB: −10°
Vx (km/s)
Vz (km/s)


PSD GSE X-Z 02/20/02 21:55:30.00
max: 11.6
min: 4.6
θB: −11°
PSD GSE X-Z 02/20/02 21:56:0.000
max: 11.5
min: 4.1
θB: −8°
PSD GSE X-Z 02/20/02 21:56:30.00
max: 11.5
min: 3.5
θB: −8°
PSD GSE X-Z 02/20/02 21:57:0.000
max: 11.3
min: 4.6
θB: −7°
PSD GSE X-Z 02/20/02 21:57:30.00
max: 11.6
min: 4.6
θB: −8°
PSD GSE X-Z 02/20/02 21:58:0.000
max: 11.6
min: 4.4
θB: −9°
PSD GSE X-Z 02/20/02 21:58:30.00
max: 11.3
min: 4.2
θB: −6°
PSD GSE X-Z 02/20/02 21:59:0.000
max: 11.7
min: 3.5
θB: −7°
PSD GSE X-Z 02/20/02 21:59:30.00
max: 11.6
min: 4.5
θB: −5°
Vx (km/s)
Vz (km/s)
−200
−100
0
100
200


PSD GSE X-Z 02/20/02 22:00:0.000
max: 11.8
min: 4.2
θ_B: −7°
Vz (km/s)
Vx (km/s)
200
100
0
−100
−200
−200
−100
0
100
200