1. Available data and cloud screening at Bondville station, IL

Year	Month	Day	Hr	Min	Clr/Cld
2000	5	3	17	9	Cloud
2000	6	13	17	2	Cloud
2000	6	29	17	2	Cloud
2000	8	23	17	7	Cloud
2000	10	10	17	7	Clear
2000	11	27	17	5	Clear
2000	12	22	16	59	Clear
2000	12	29	17	5	Cloud
2001	4	29	16	56	Cloud
2001	5	22	17	2	Cloud
2001	7	18	16	54	Cloud
2001	7	19	3	59	Cloud
2001	8	27	4	5	Cloud
2001	9	5	3	58	Clear
2001	9	27	16	58	Cloud
2001	10	23	3	57	Cloud
2001	11	7	16	51	Clear
2001	11	8	3	56	Clear
2001	11	14	16	57	Clear
2001	11	15	4	2	Clear
2001	11	23	16	51	Cloud
2001	12	9	16	50	Clear
2001	12	10	3	55	Clear
2002	1	1	16	55	Clear
2002	1	2	4	0	Clear
2002	2	2	16	55	Cloud
2002	2	3	4	0	Cloud
2002	2	18	16	54	Cloud
2002	2	27	16	48	Clear
2002	3	6	16	54	Clear
2002	3	15	16	48	Cloud
2002	4	24	3	59	Clear
2002	5	25	16	54	Clear
2002	5	26	3	59	Clear
2002	6	19	16	48	Cloud
2002	7	22	3	53	Cloud
2002	9	7	16	48	Cloud
2002	9	14	16	54	Cloud
2002	11	2	3	59	Clear
2002	11	18	3	58	Clear
2002	12	28	16	48	Clear

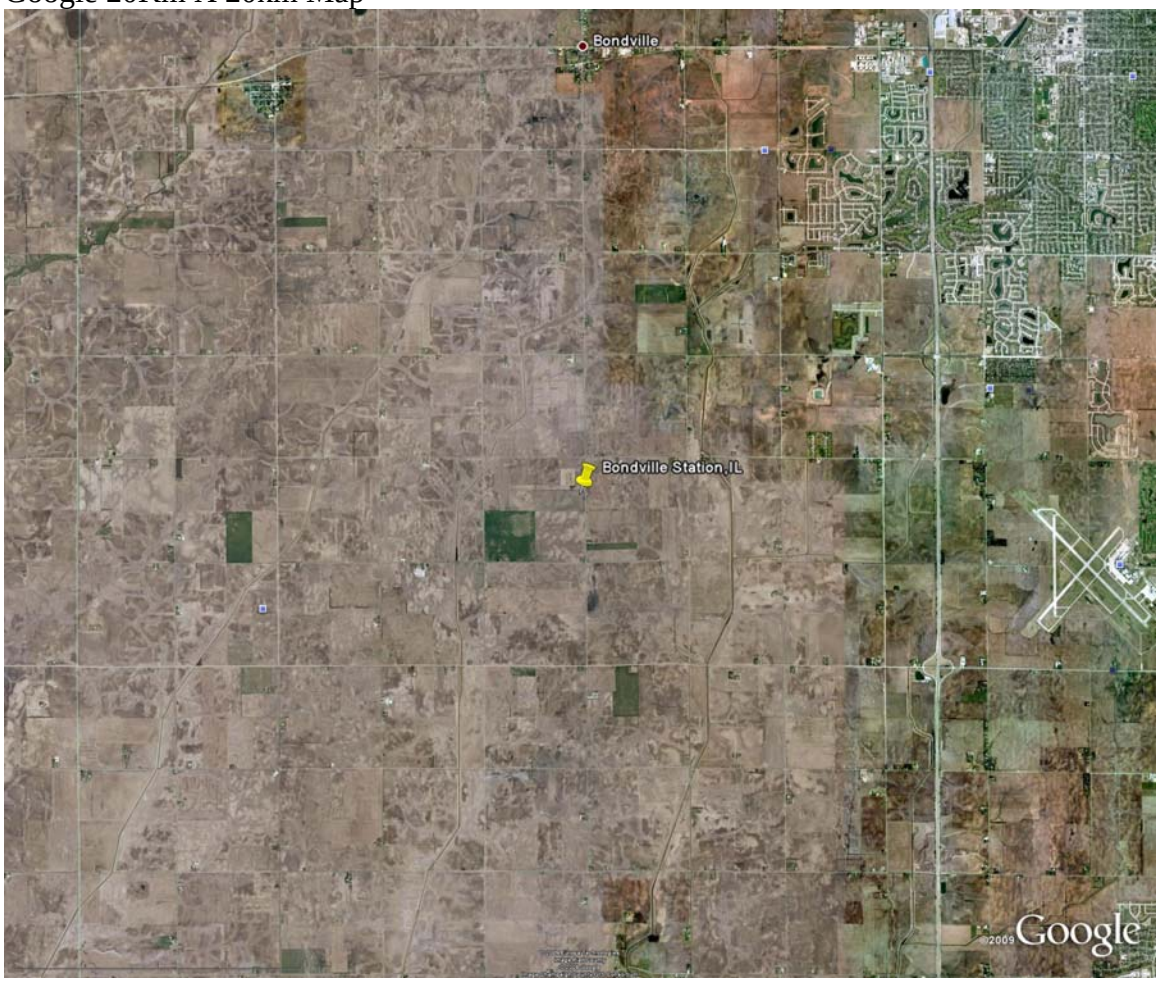
2002	12	29	3	52	Clear
2003	3	9	16	53	Clear
2003	4	19	16	47	Cloud
2003	5	5	16	47	Cloud
2003	5	6	3	51	Clear
2003	5	22	3	52	Clear
2003	6	14	3	58	Cloud
2003	6	23	3	51	Clear
2003	6	30	3	57	Cloud
2003	7	24	16	45	Clear
2003	9	2	3	57	Cloud
2003	9	18	3	57	Clear
2003	10	4	3	57	Cloud
2003	10	12	16	46	Cloud
2003	10	19	16	53	Cloud
2003	10	20	3	57	Clear
2003	11	13	16	47	Clear
2003	11	20	16	53	Clear
2003	12	31	16	47	Clear
2004	2	8	16	53	Clear
2004	3	5	3	52	Cloud
2004	3	11	16	53	Clear
2004	3	12	3	58	Clear
2004	3	27	16	53	Clear
2004	5	30	16	53	Cloud
2004	7	10	16	46	Cloud
2004	7	11	3	51	Cloud
2004	7	26	16	46	Cloud
2004	7	27	3	51	Clear
2004	8	3	3	57	Clear
2004	9	13	3	51	Clear
2004	9	19	16	52	Cloud
2004	10	30	16	45	Clear
2004	11	7	3	56	Clear
2004	12	8	16	51	Cloud
2005	1	18	16	46	Clear
2005	2	11	3	57	Clear
2005	3	7	16	46	Cloud
2005	3	24	3	51	Clear
2005	4	9	3	51	Clear
2005	4	15	16	52	Cloud
2005	4	24	16	46	Clear
2005	5	26	16	46	Cloud
2005	6	3	3	57	Cloud
2005	6	27	16	46	Cloud
2005	7	5	3	57	Cloud
2005	7	13	16	46	Cloud
2005	7	29	16	46	Cloud

2005	8	30	16	46	Cloud
2005	8	31	3	50	Cloud
2005	10	25	3	57	Cloud
2005	11	10	3	57	Clear
2005	11	18	16	46	Clear
2005	12	5	3	50	Clear
2006	1	29	3	56	Cloud
2006	2	7	3	50	Clear
2006	2	22	16	45	Cloud
2006	3	10	16	46	Clear
2006	3	17	16	52	Clear
2006	3	26	16	46	Cloud
2006	3	27	3	51	Clear
2006	4	11	16	46	Cloud
2006	5	14	3	51	Cloud
2006	5	20	16	52	Cloud
2006	5	21	3	57	Clear
2006	5	29	16	46	Cloud
2006	6	30	16	46	Cloud
2006	7	16	16	46	Cloud
2006	7	23	16	52	Cloud
2006	8	1	16	46	Clear
2006	8	17	16	46	Cloud
2006	11	13	3	57	Cloud
2007	7	10	16	53	Cloud
2007	7	26	16	53	Cloud

2. Figures of ASTER Channel-14 BT (about 20KmX20Km)

Each image of pages 6-24 has 238 color levels between Max and Min of the selected area. So, topographic features may be identified from such images under clear-sky conditions.

Google 20Km X 20km Map

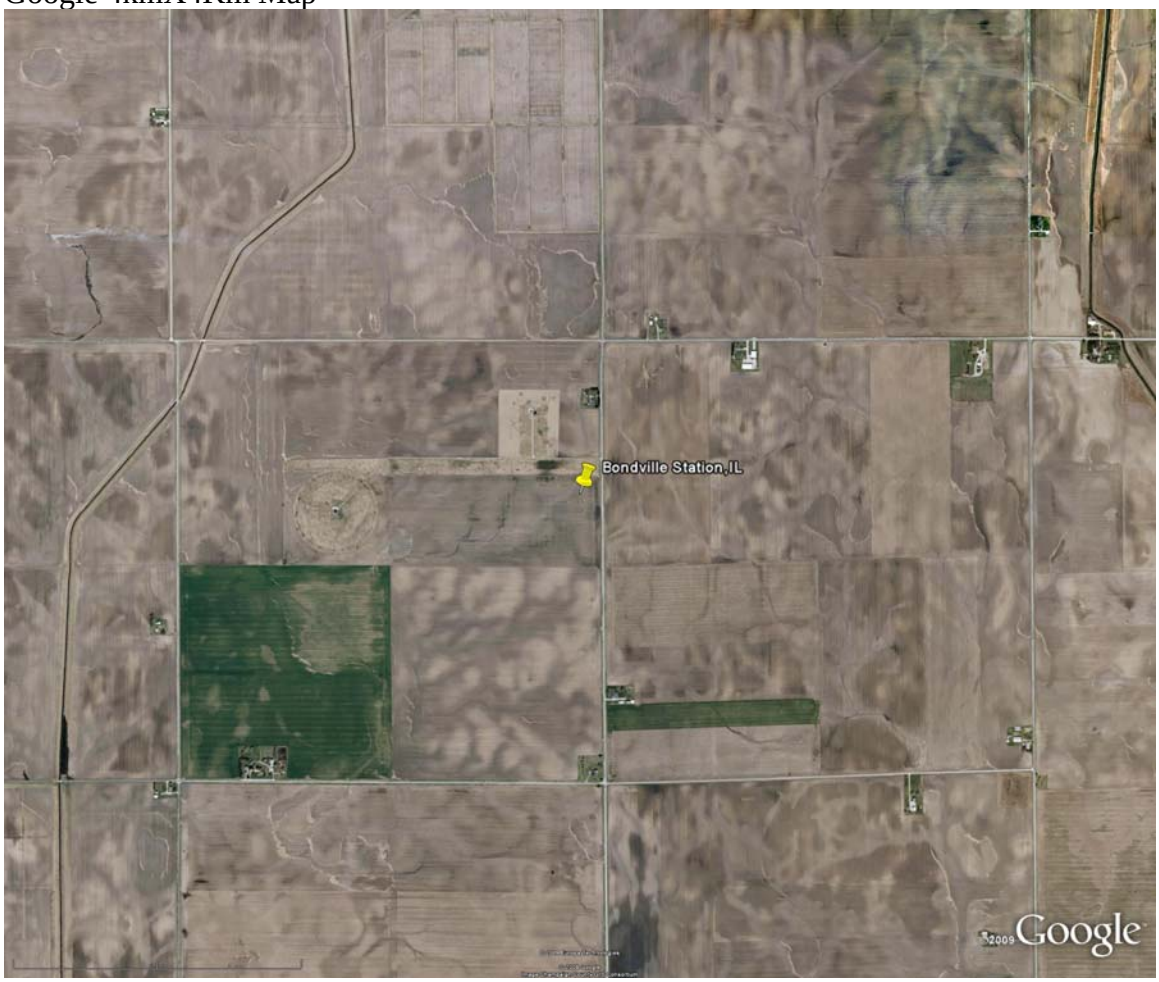


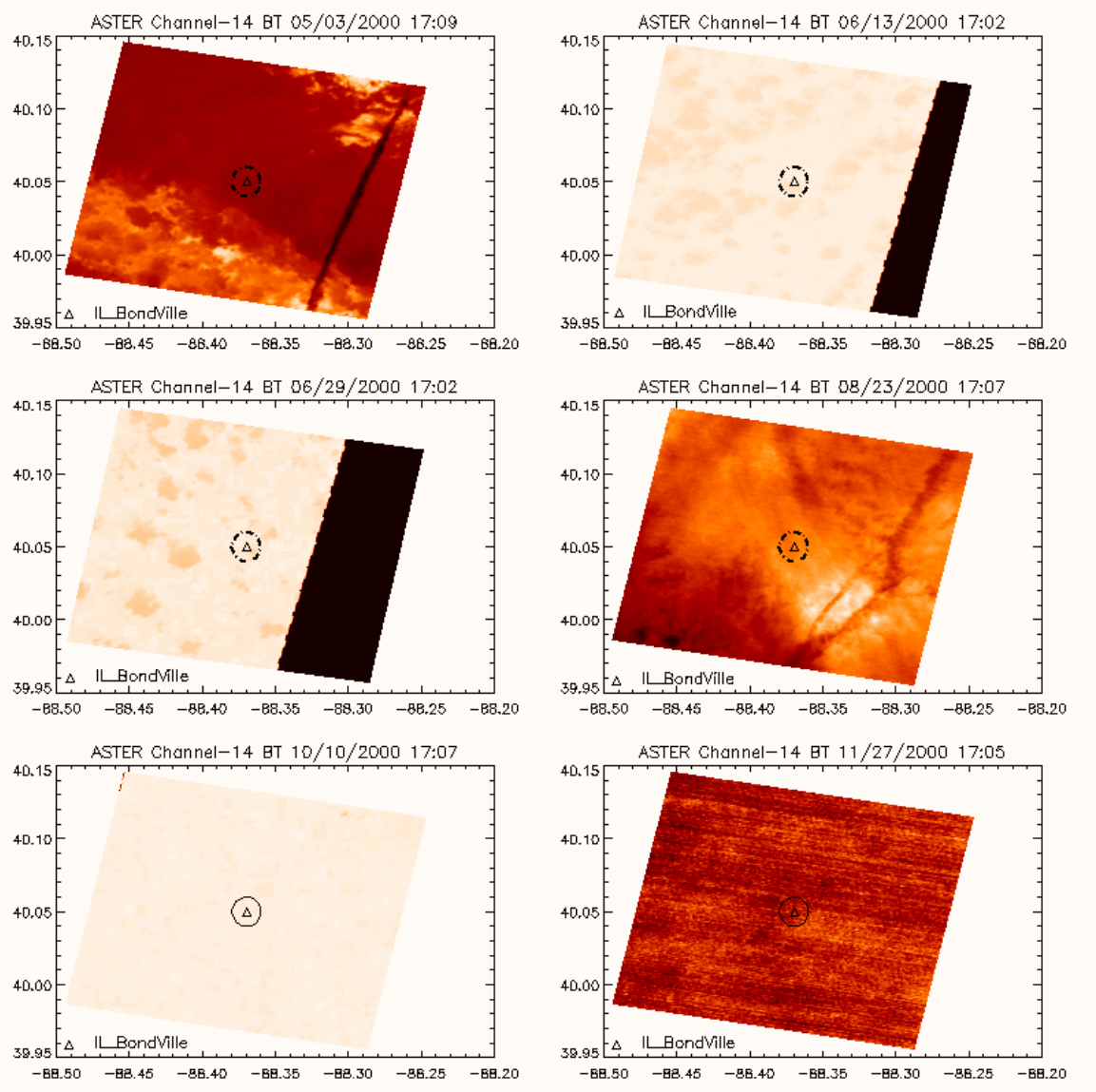
3. Figures of ASTER Channel-14 BT used for augmented cloud screening

The images of pages 25-43 are used for the purpose of cloud screening. The image size is about 4KmX 4Km. The circle size is about 1Km, which is about the surrounding area used to generate the 1Km synthetic pixels.

- Images without circle mark indicate both original ASTER cloud mask data and additional cloud screening show the cases as the cloudy ones.
- Images with dotted circle mark indicate the original ASTER cloud mask data show the cases as the cloudy ones, but additional cloud screening doesn't.
- Images with solid circle mark indicate both original ASTER cloud mask data and additional cloud screening show the cases as the clear ones.

Google 4kmX4Km Map

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ASTER Channel-14 BT 06/13/2000 17:02
ASTER Channel-14 BT 06/29/2000 17:02
ASTER Channel-14 BT 08/23/2000 17:07
ASTER Channel-14 BT 10/10/2000 17:07
ASTER Channel-14 BT 11/27/2000 17:05
IL_BondVille
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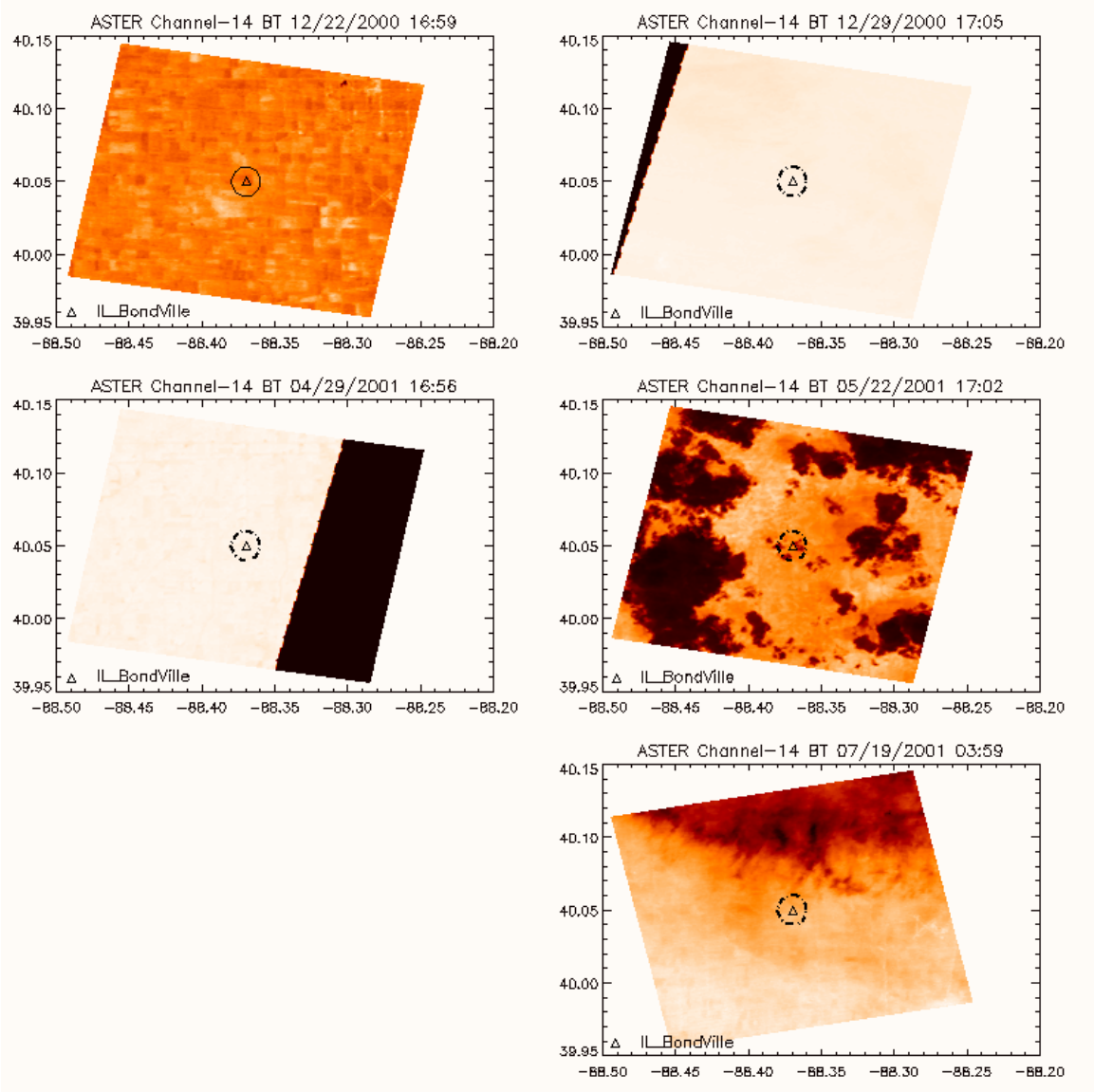
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ASTER Channel-14 BT 07/19/2001 03:59
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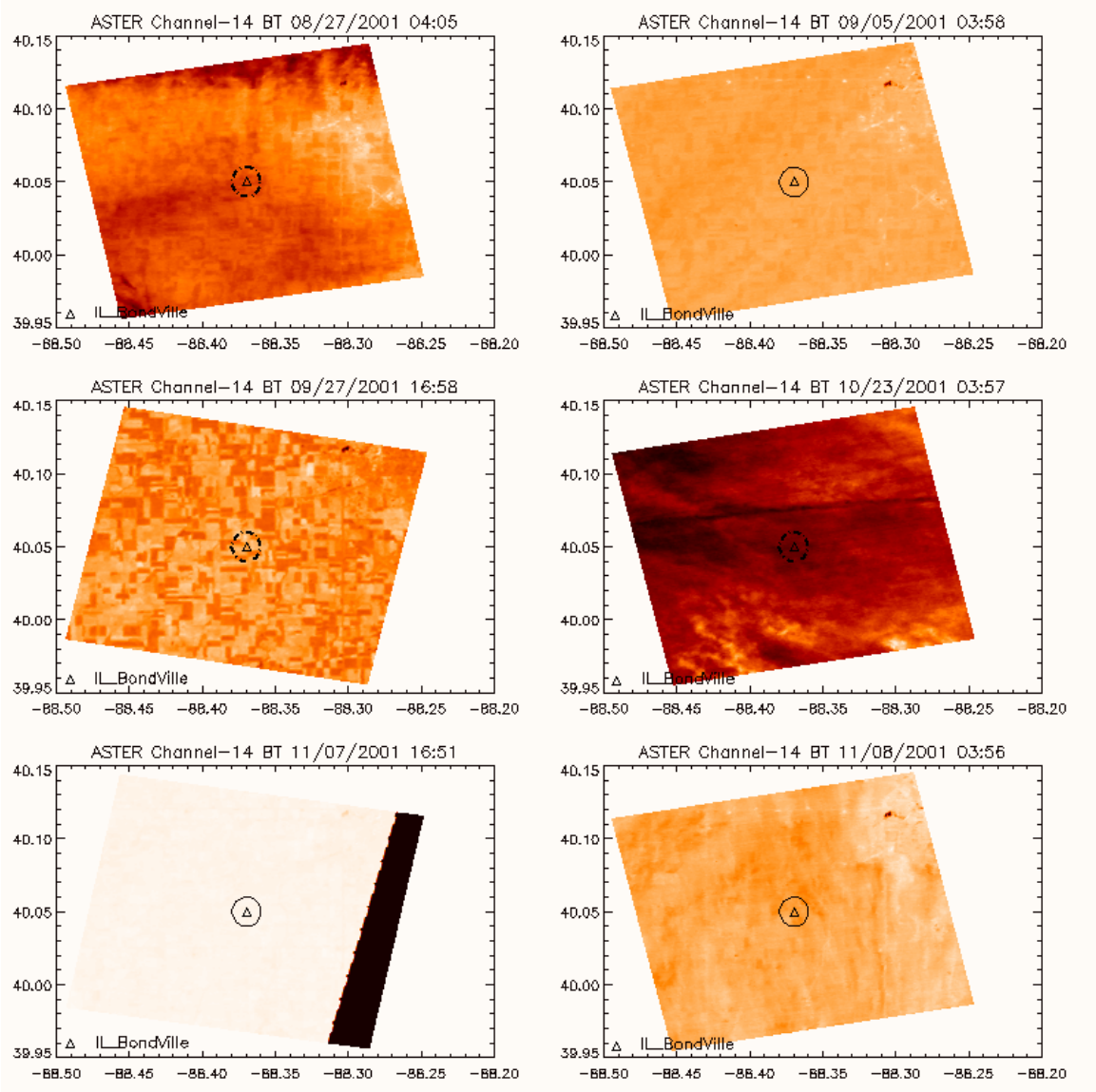
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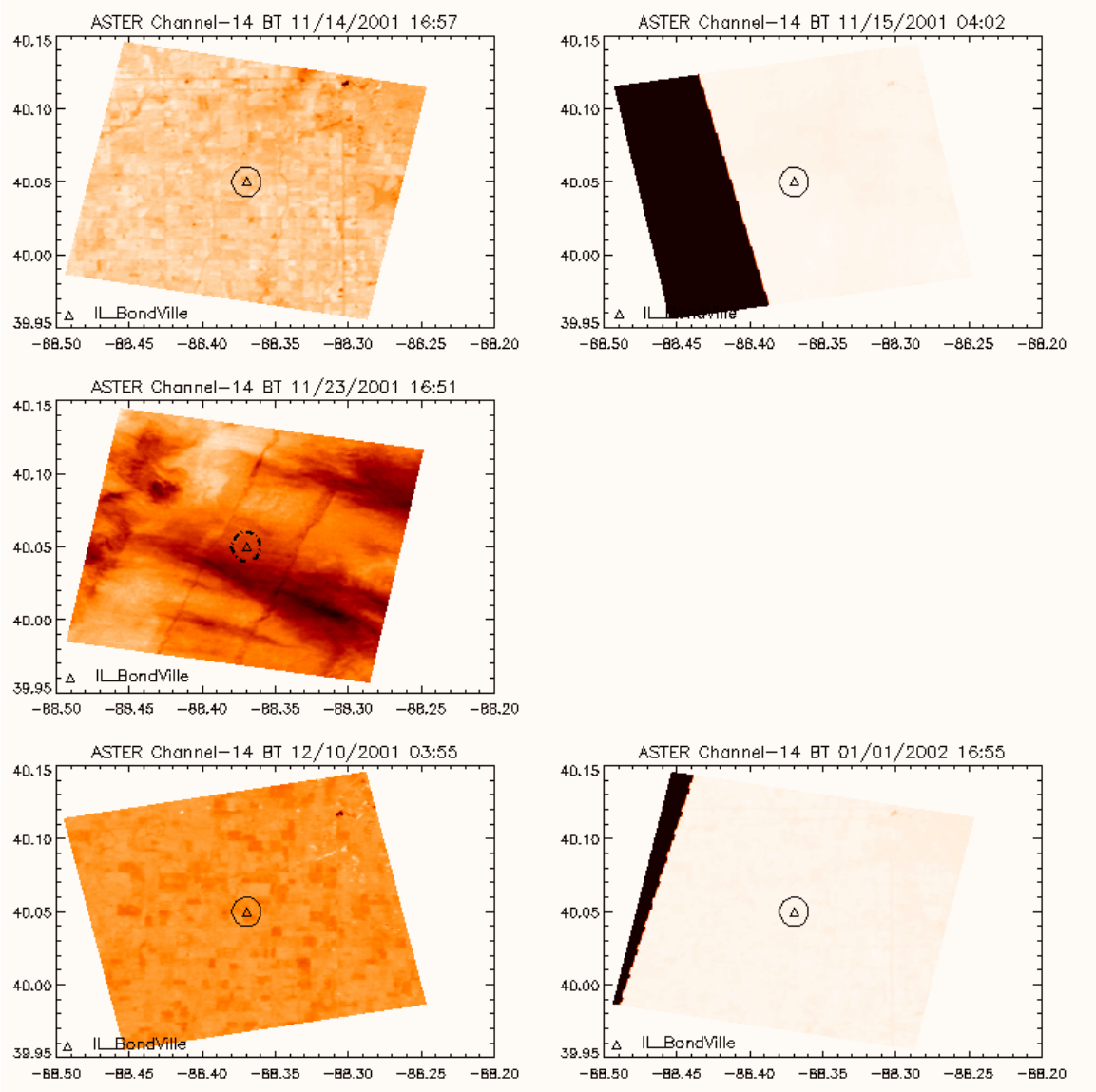
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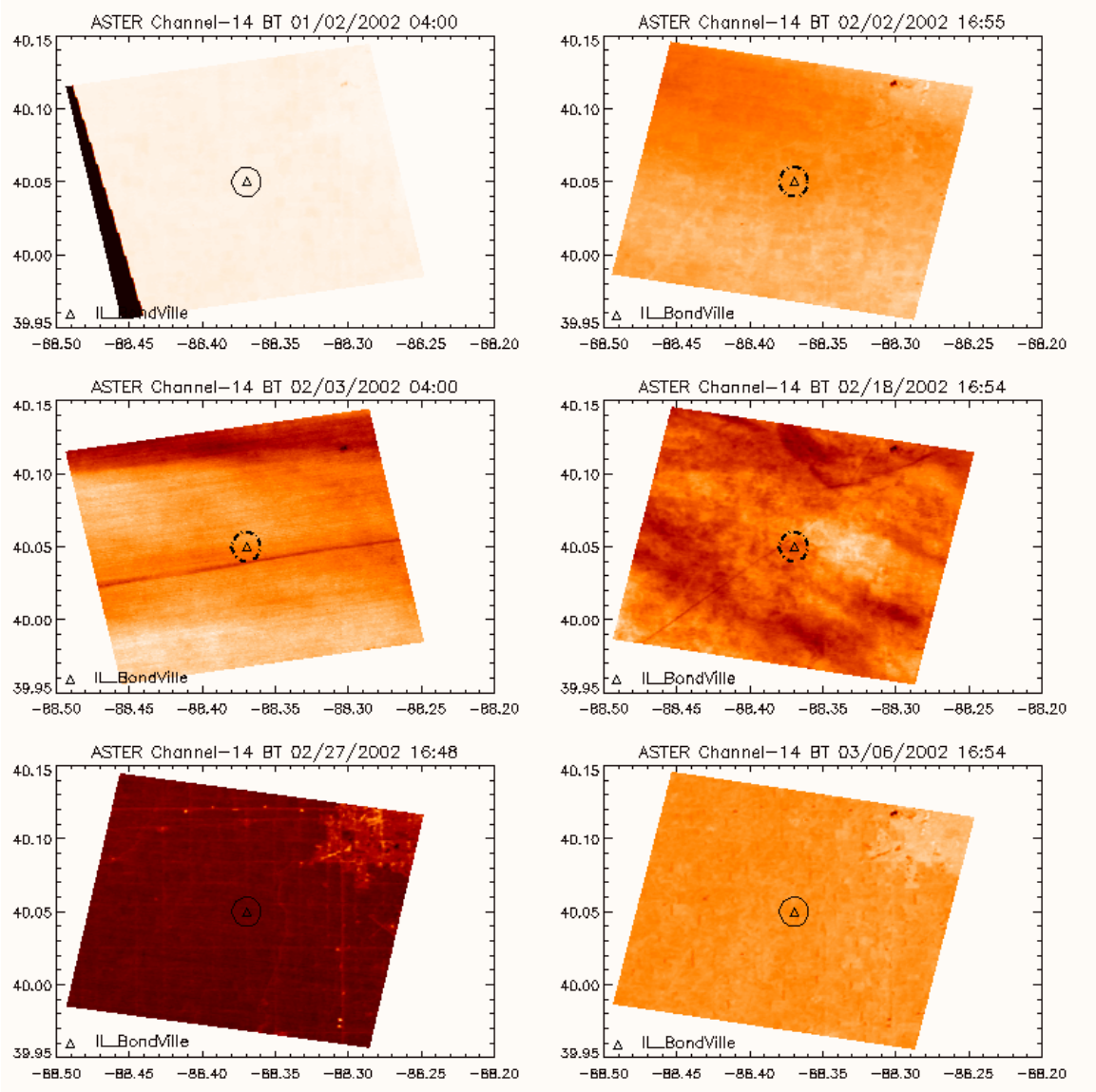
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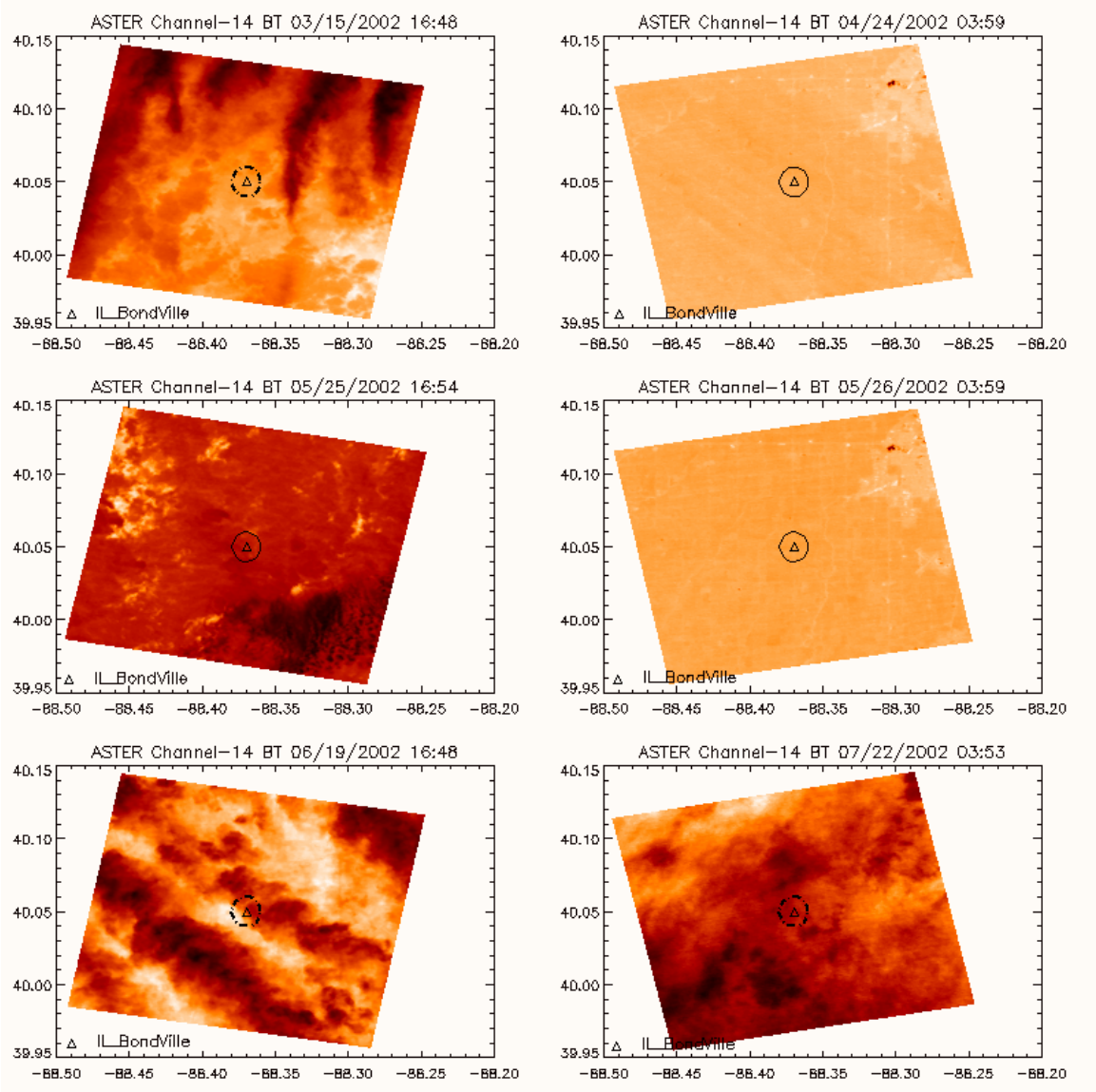
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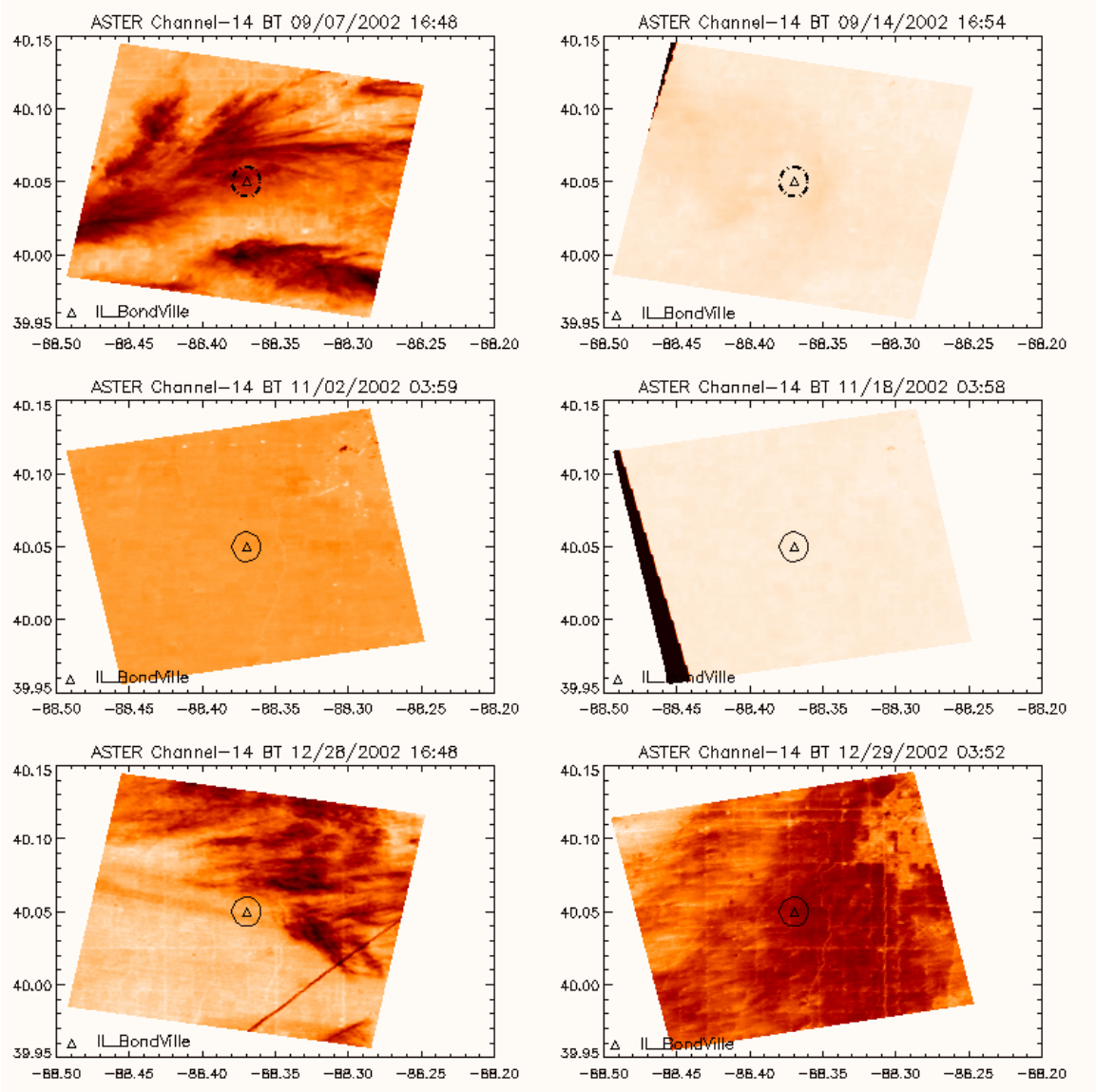
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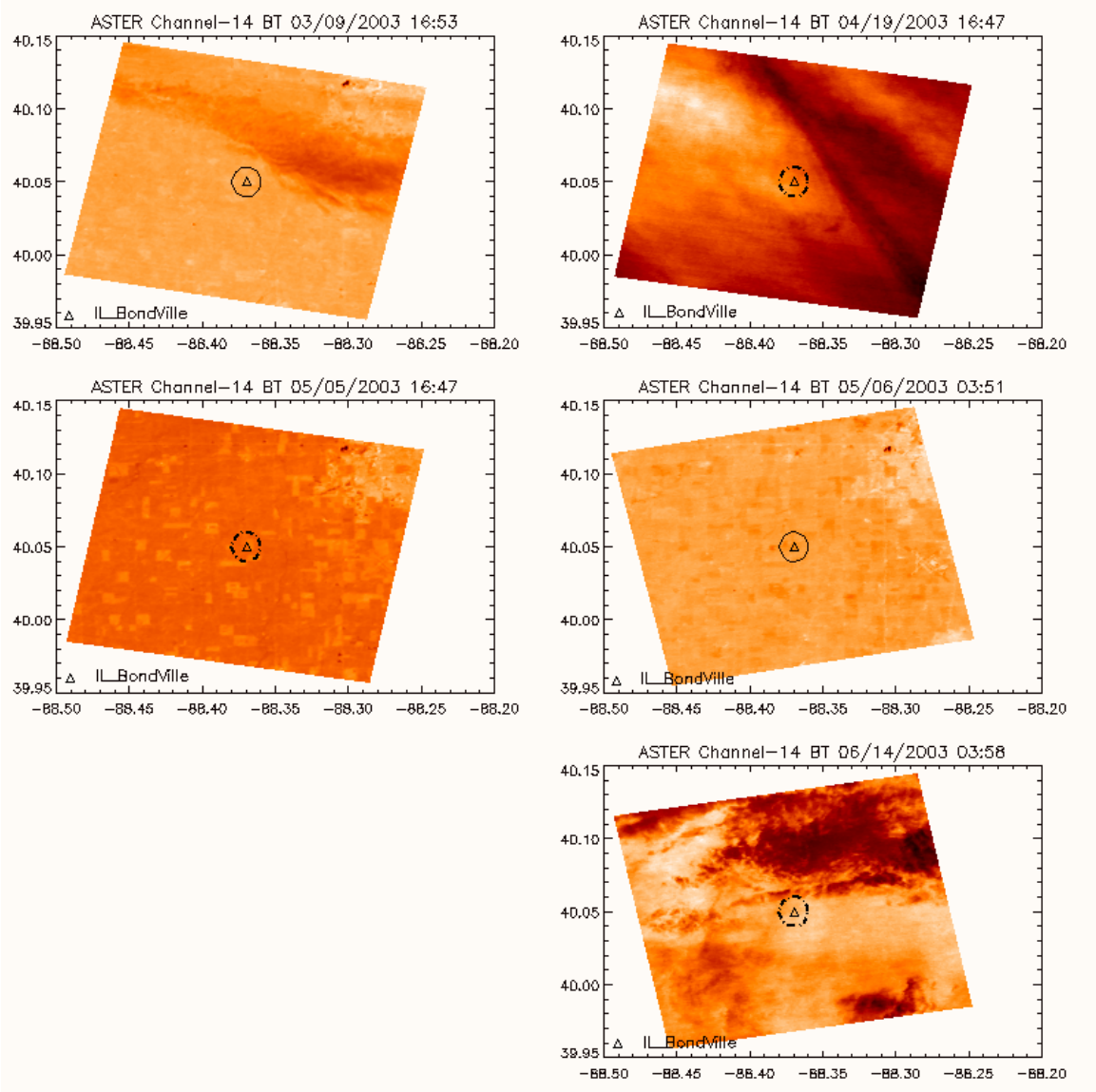
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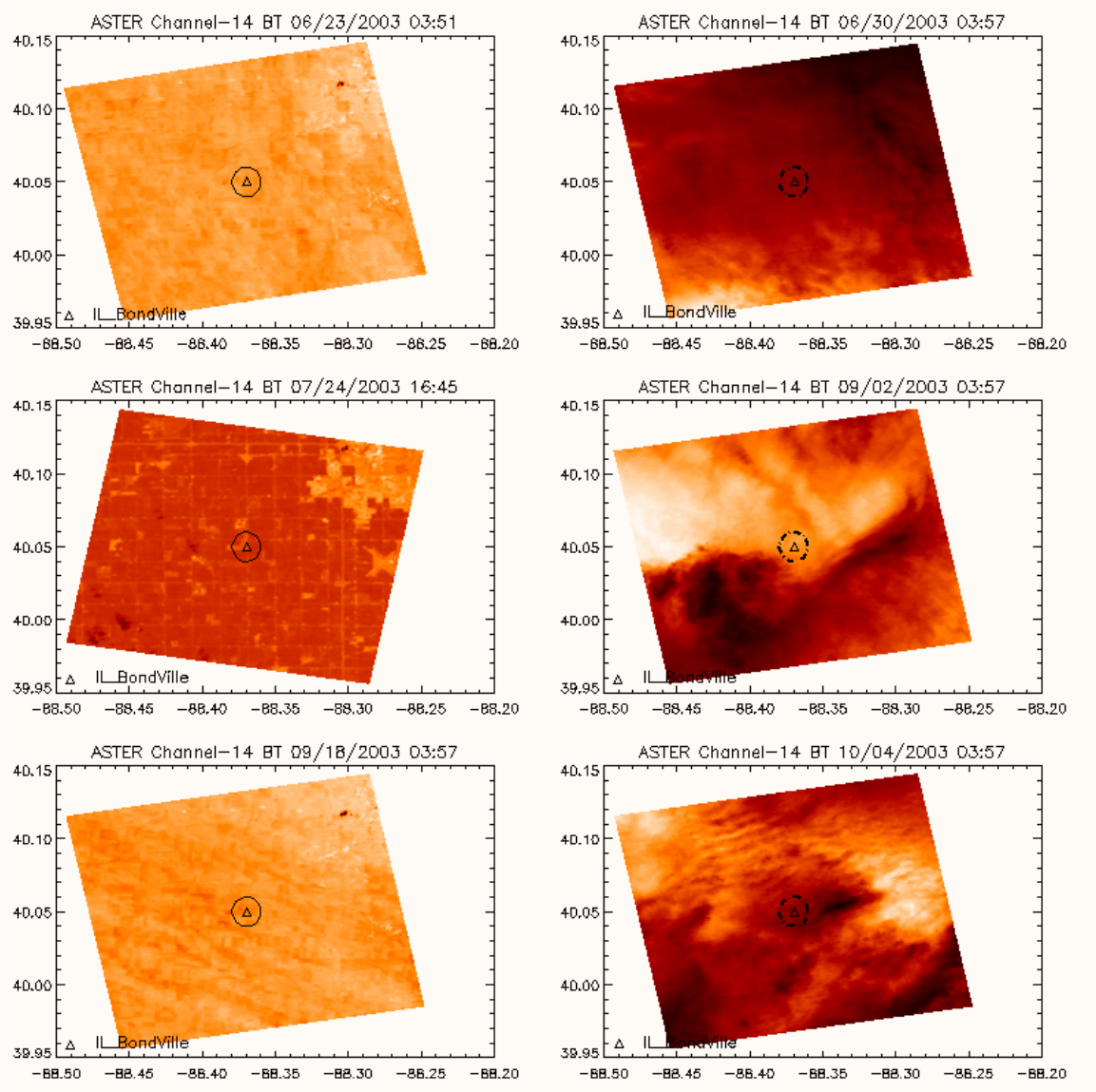
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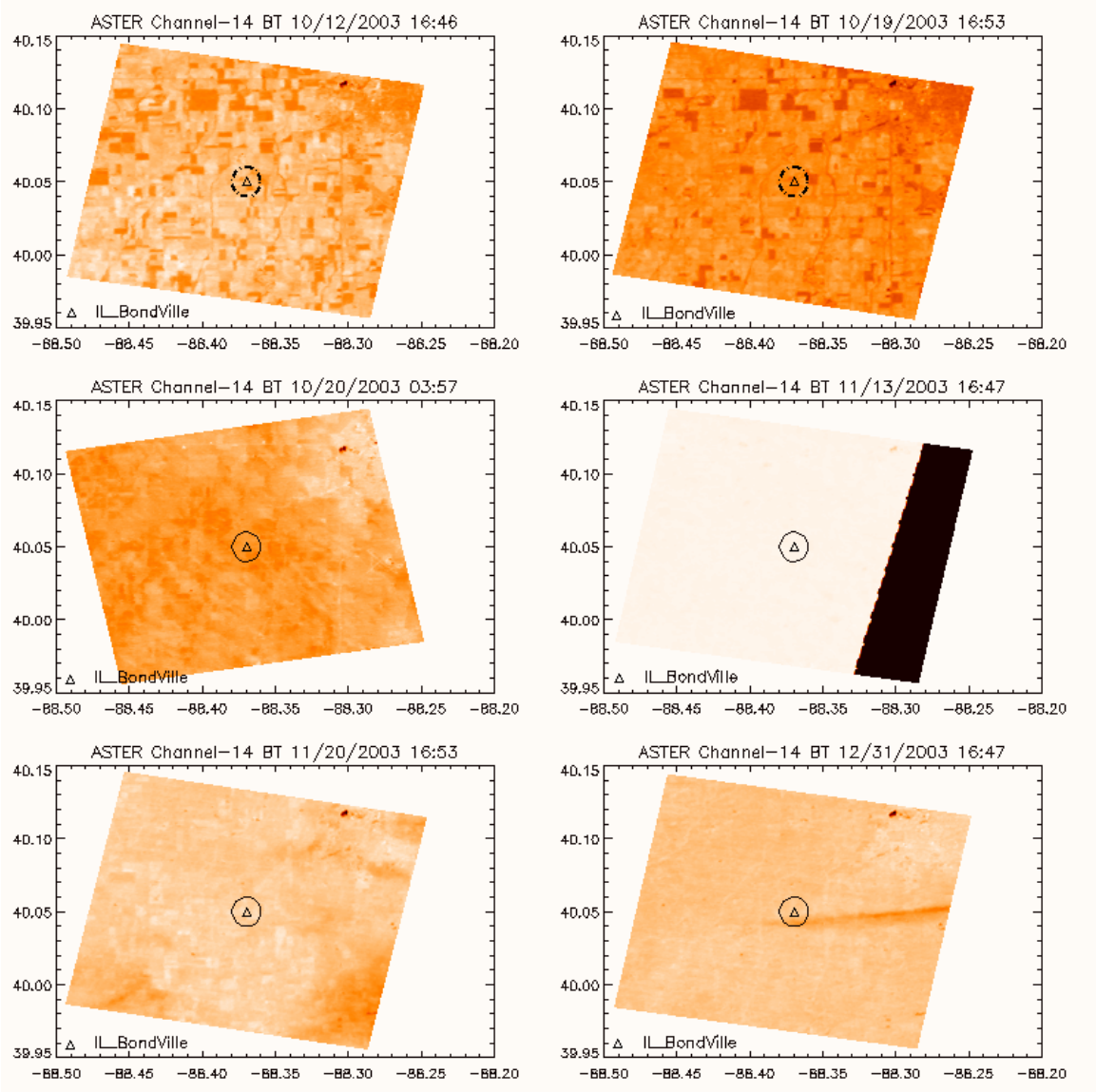
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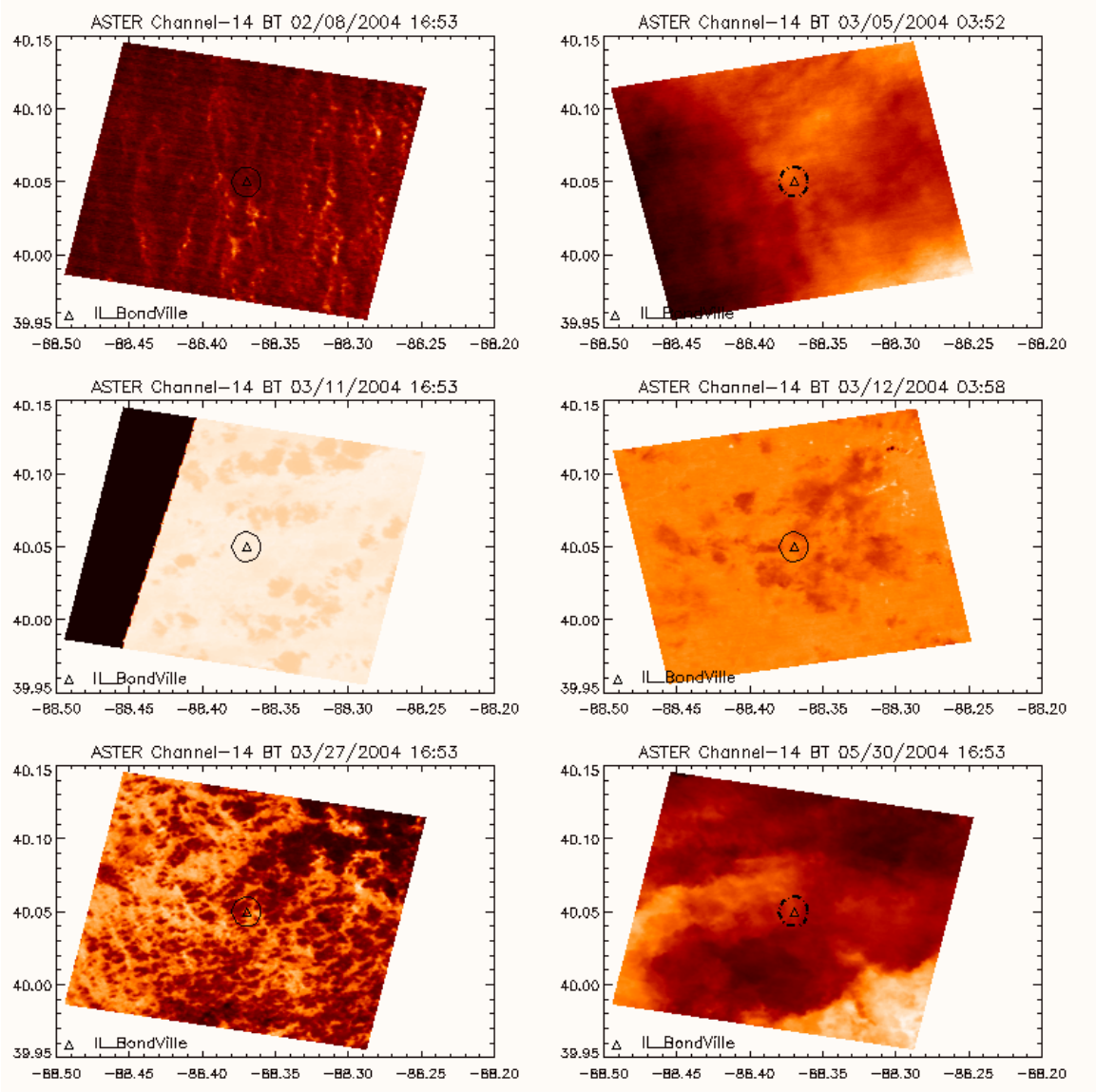
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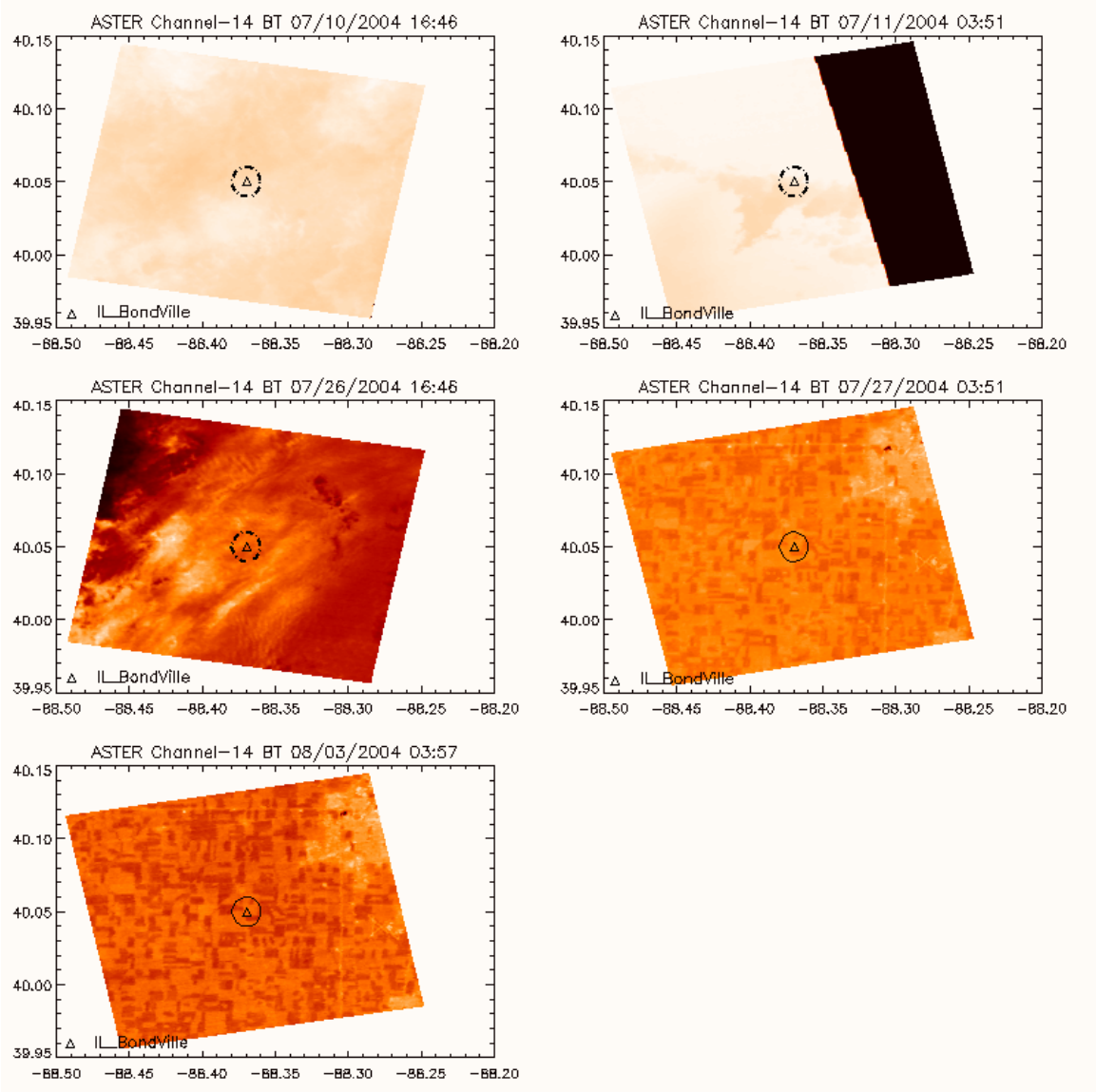
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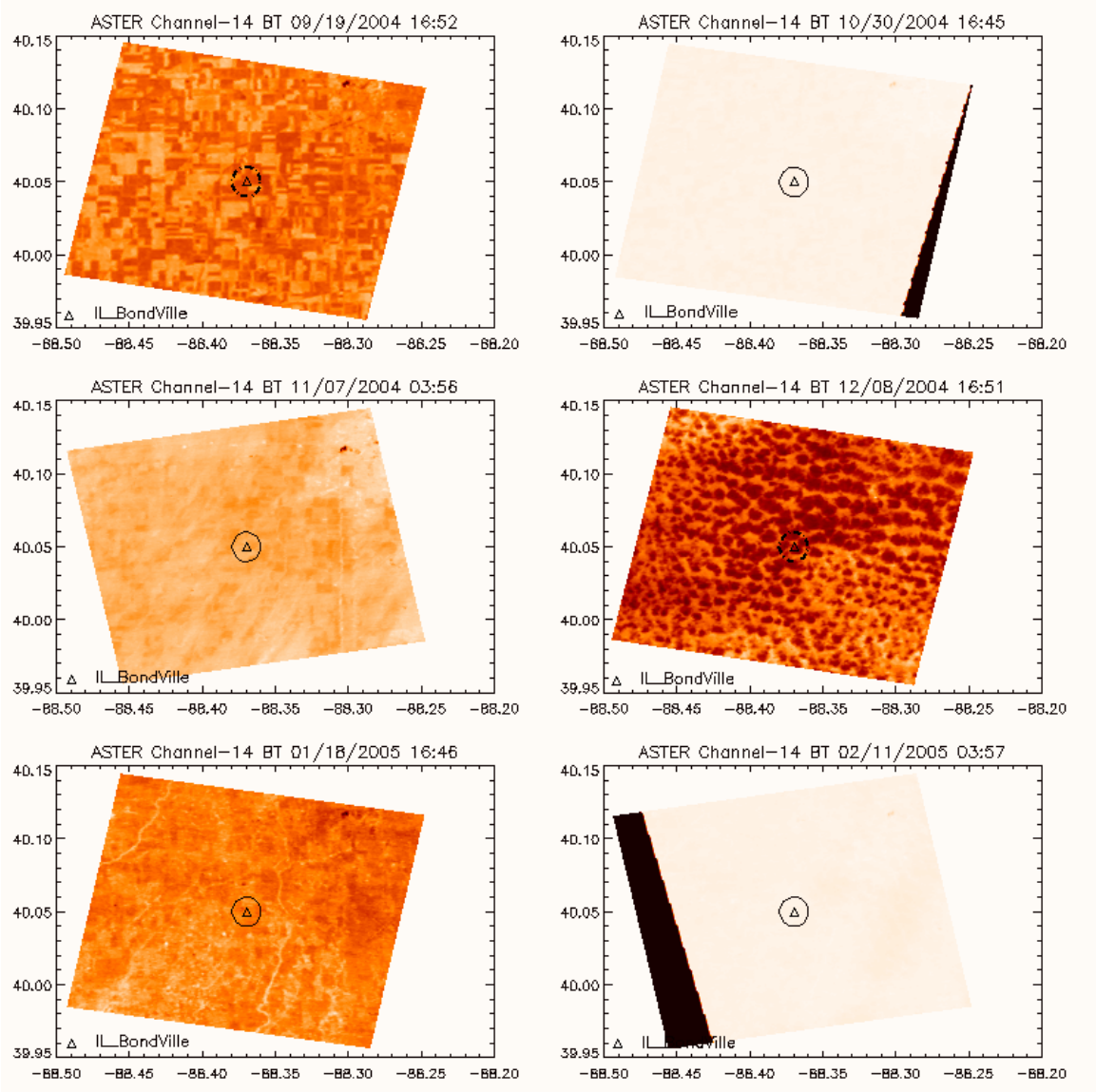
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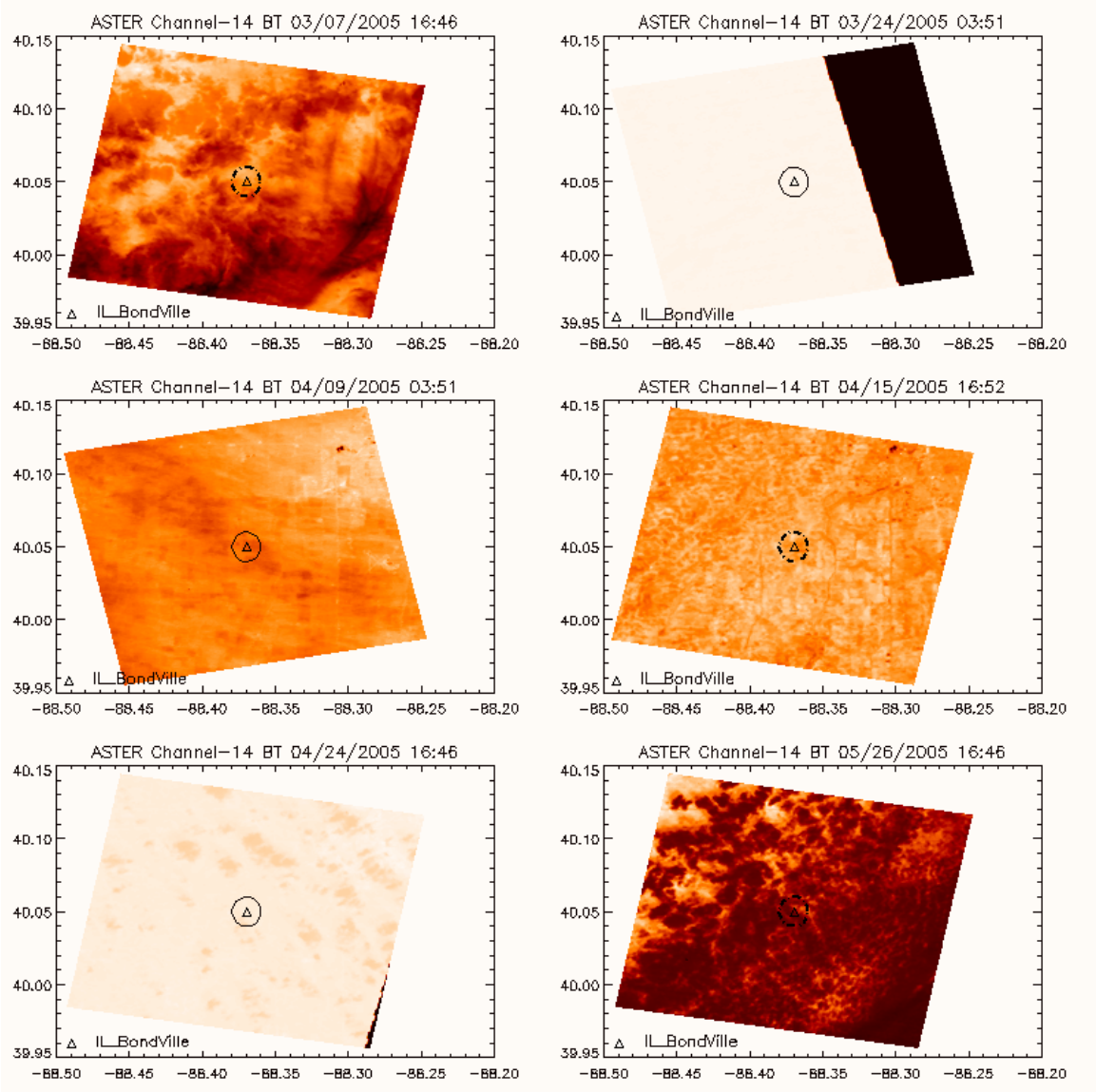
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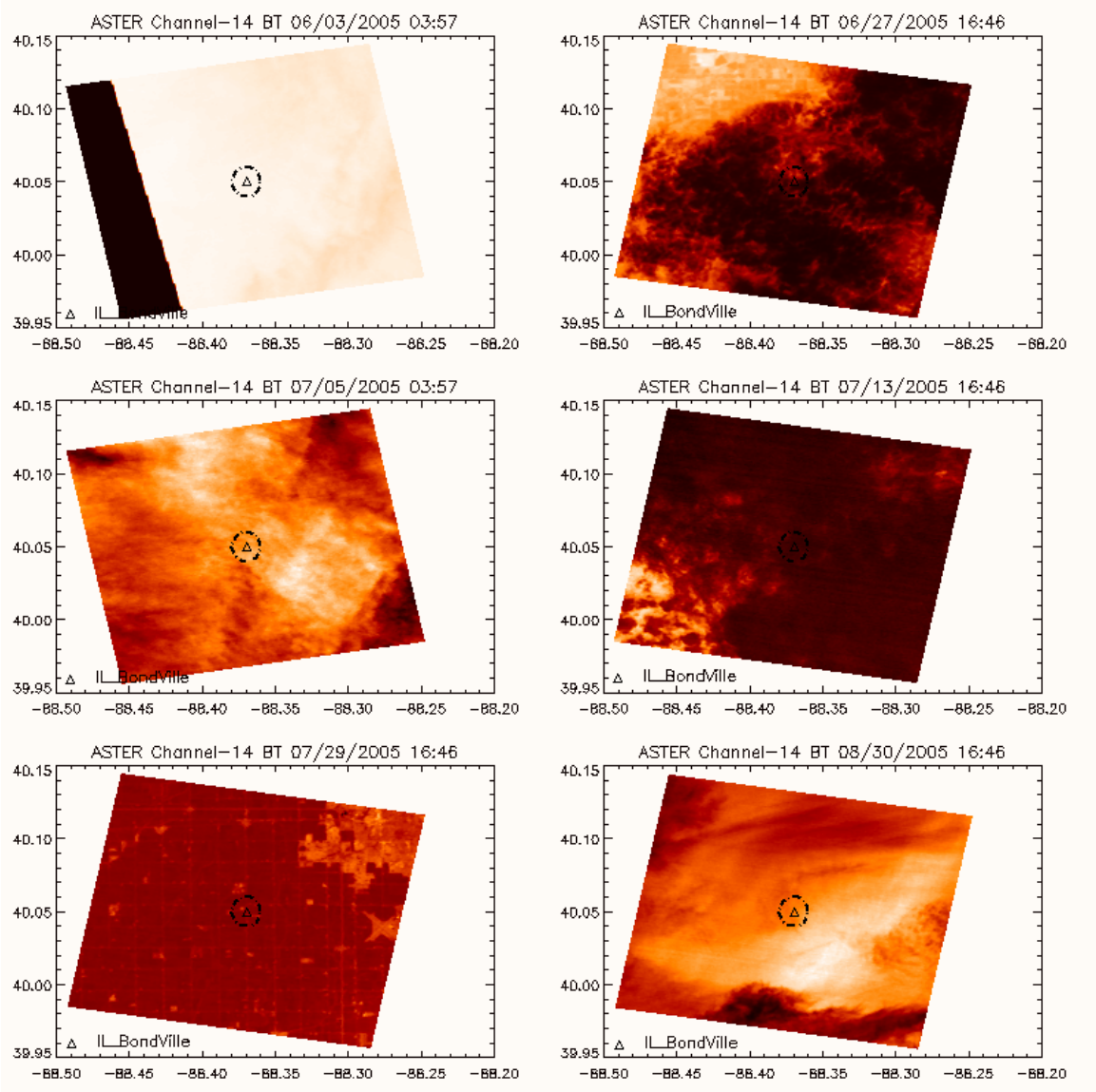
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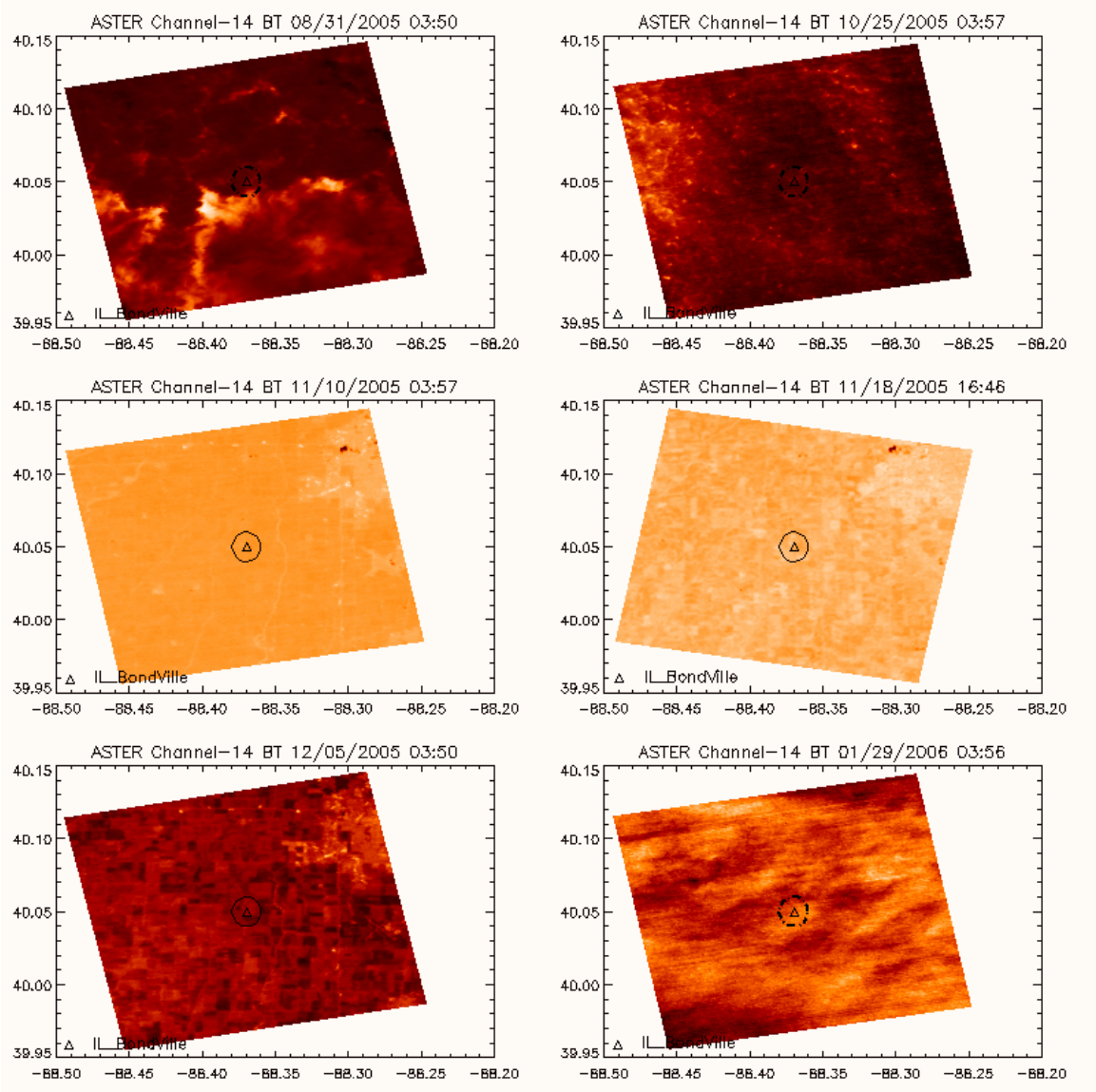
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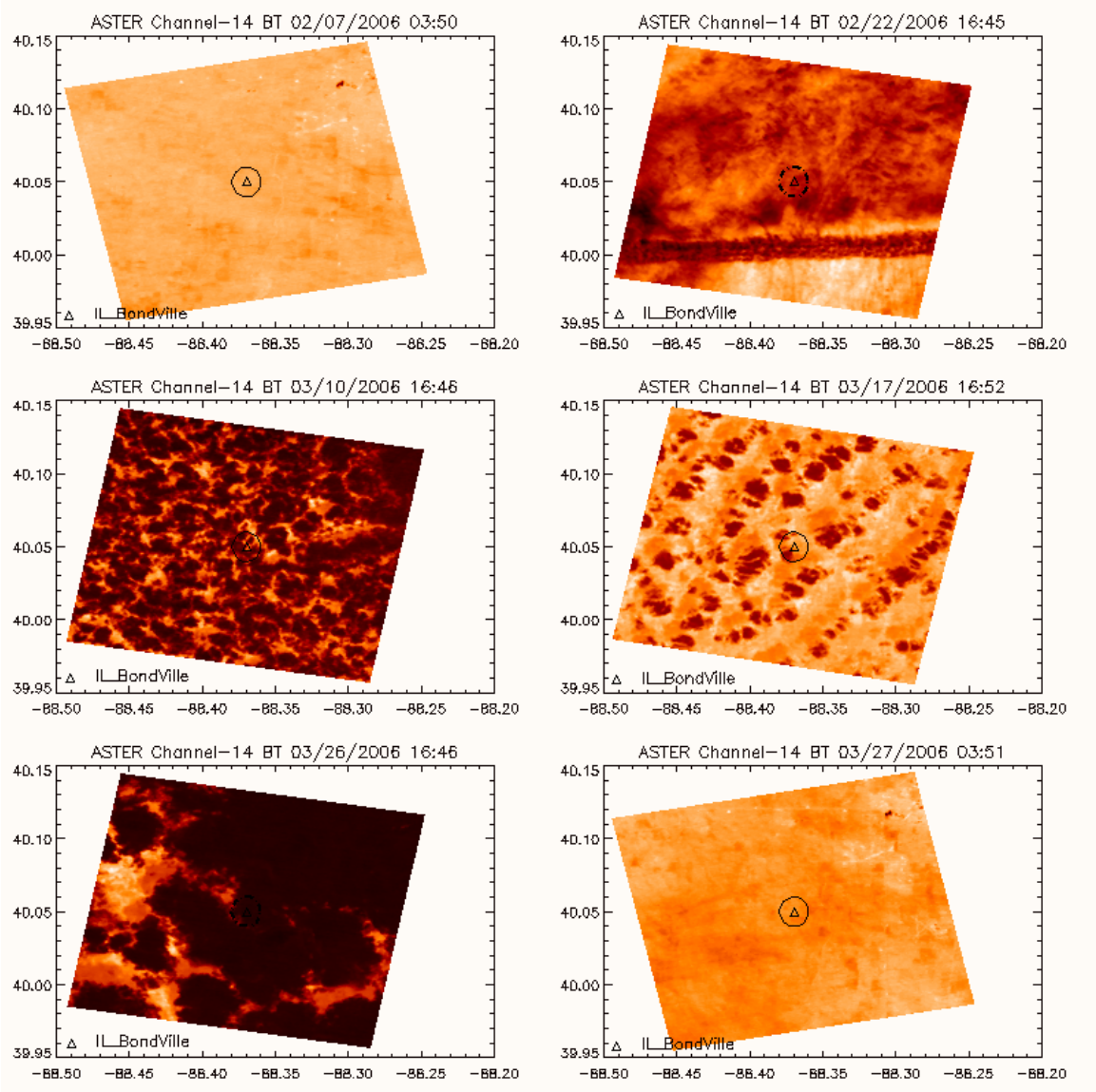
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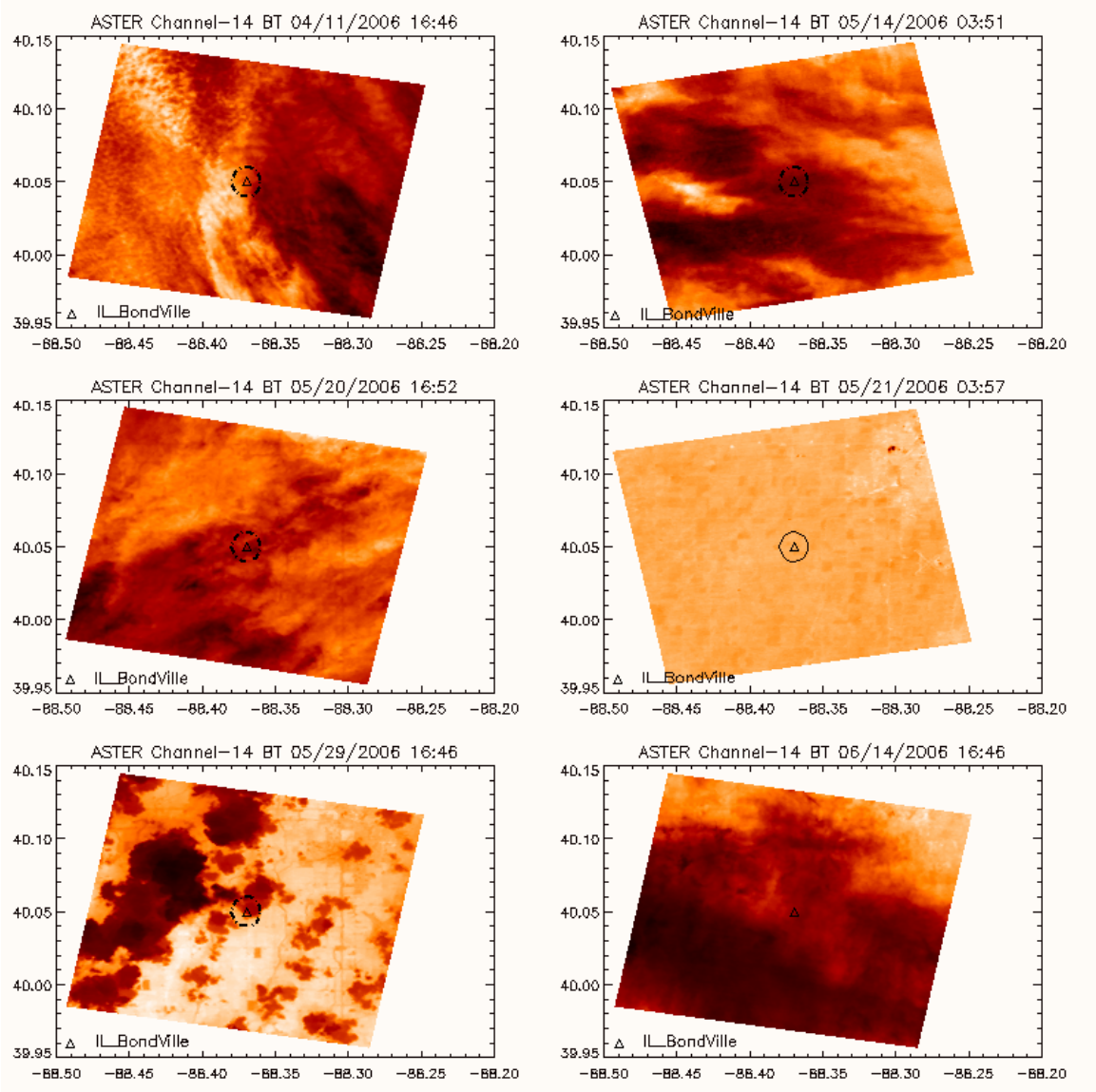
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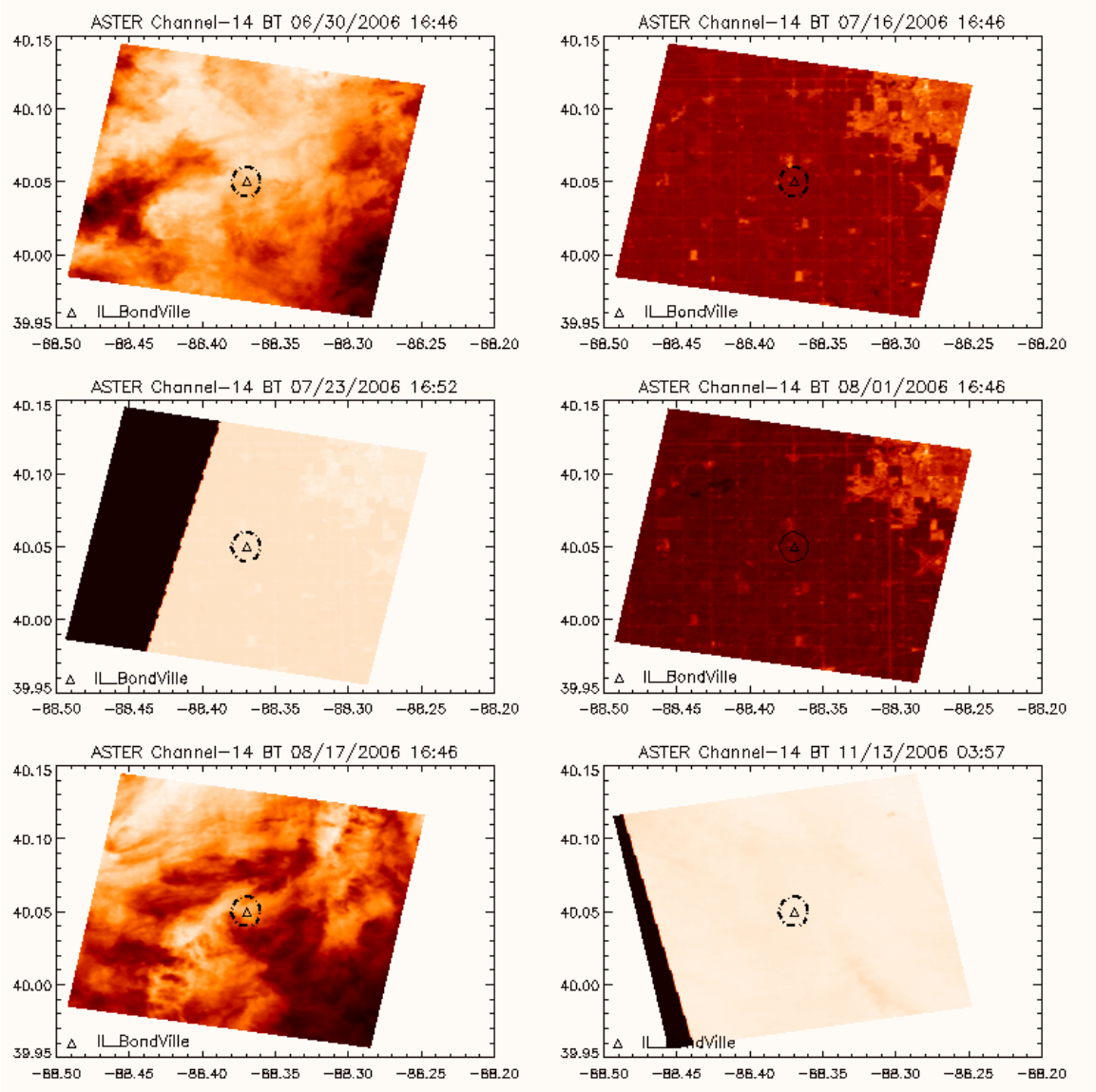
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ASTER Channel-14 BT 11/13/2006 03:57
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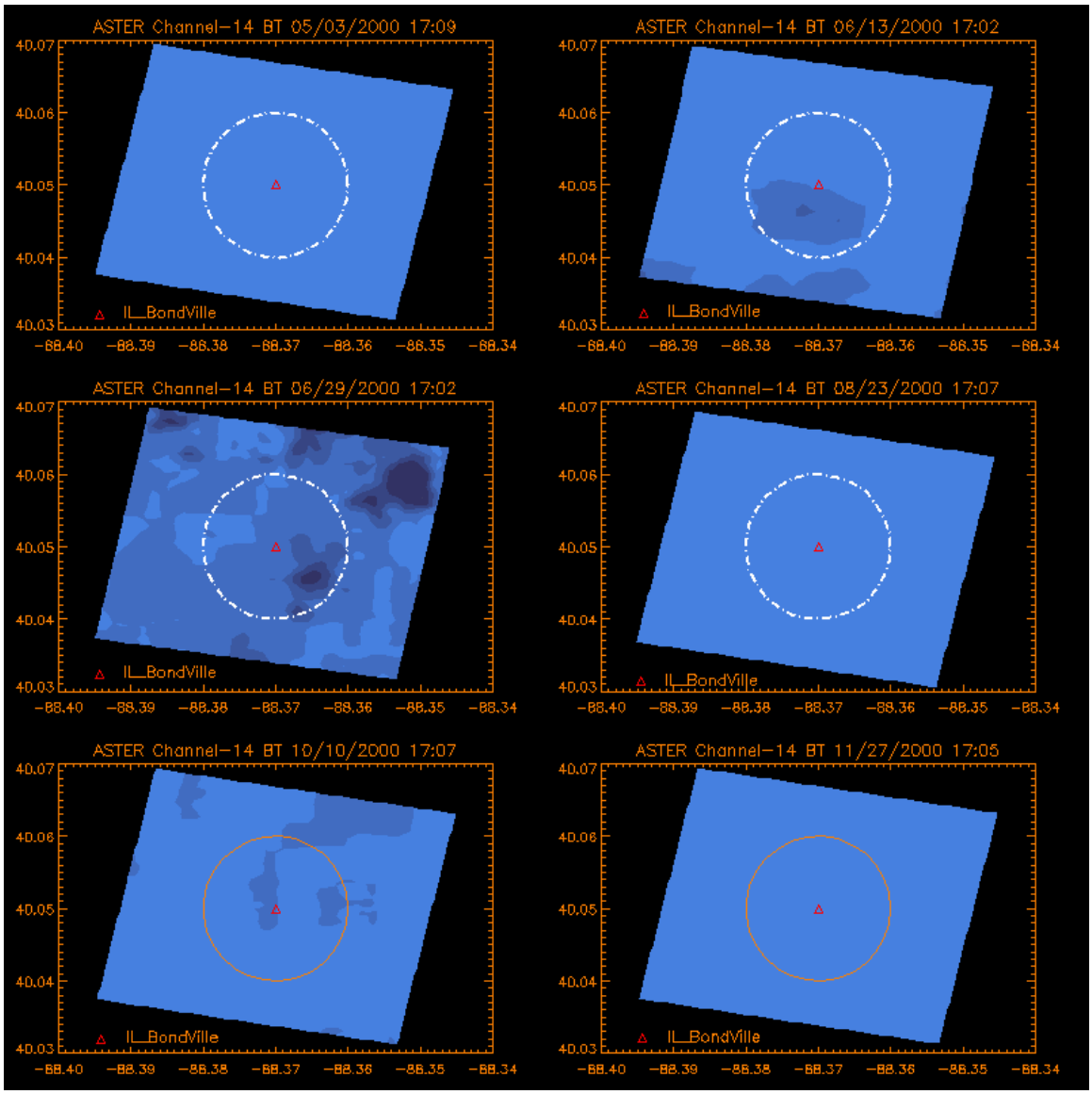
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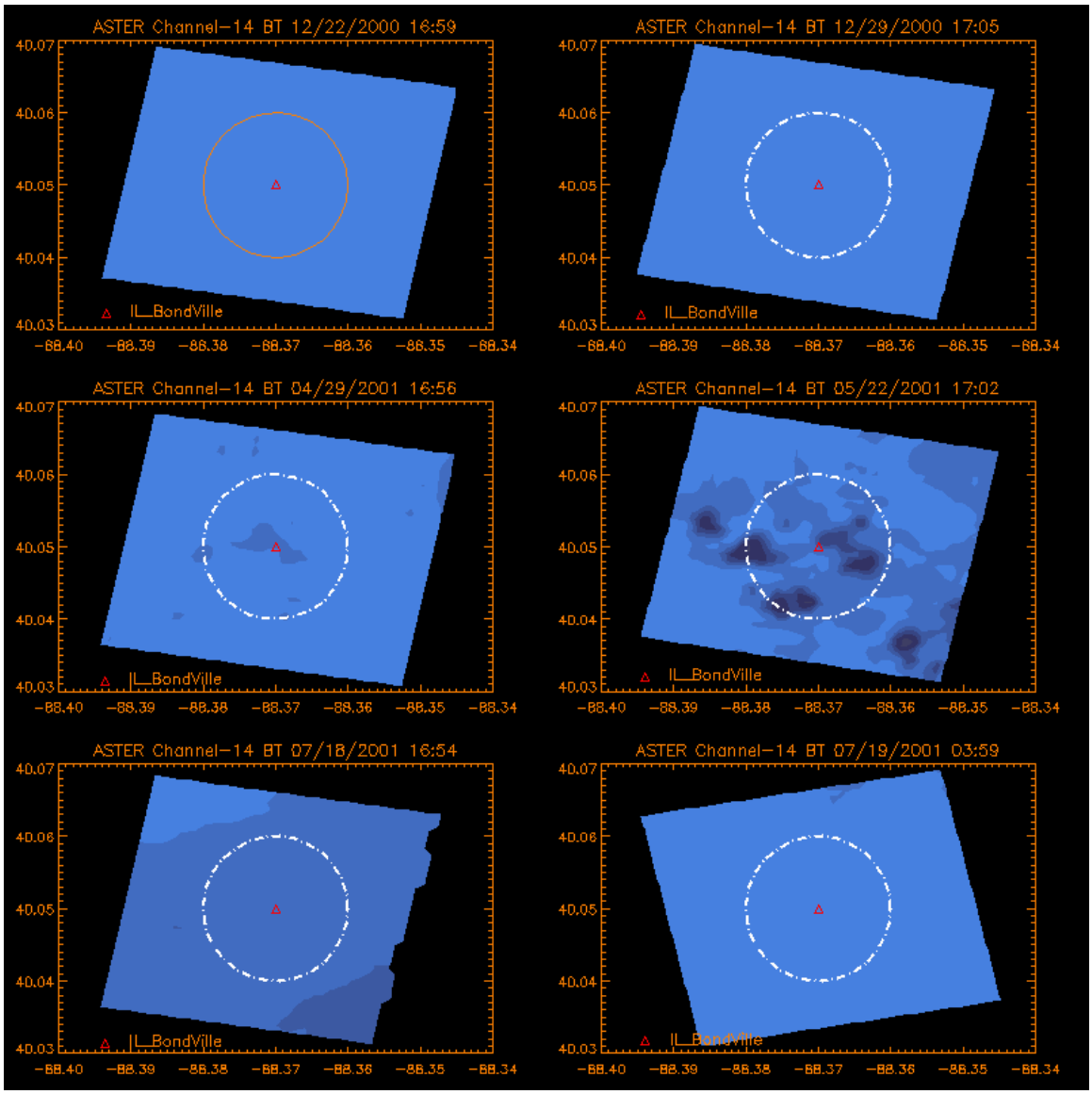
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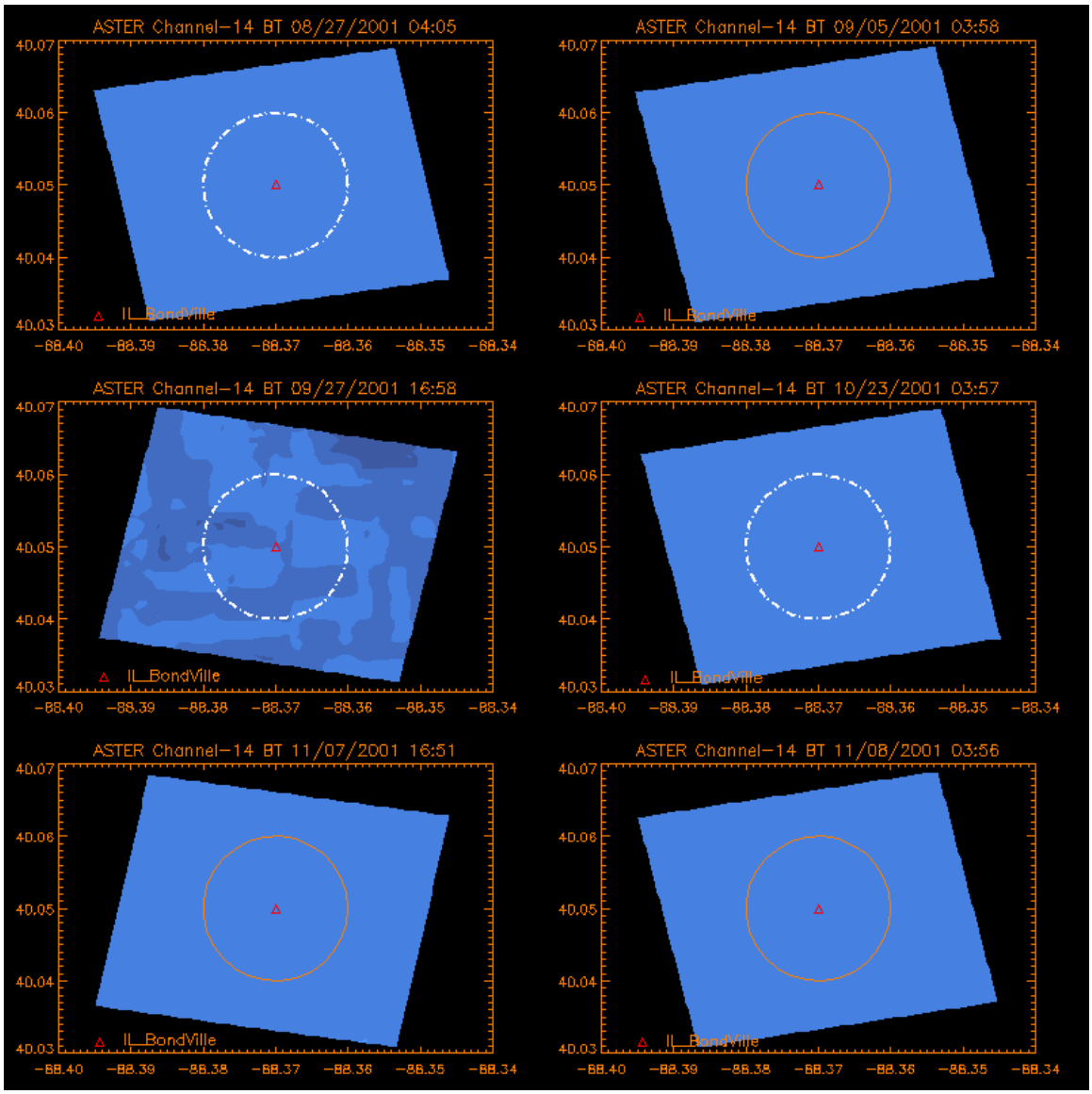
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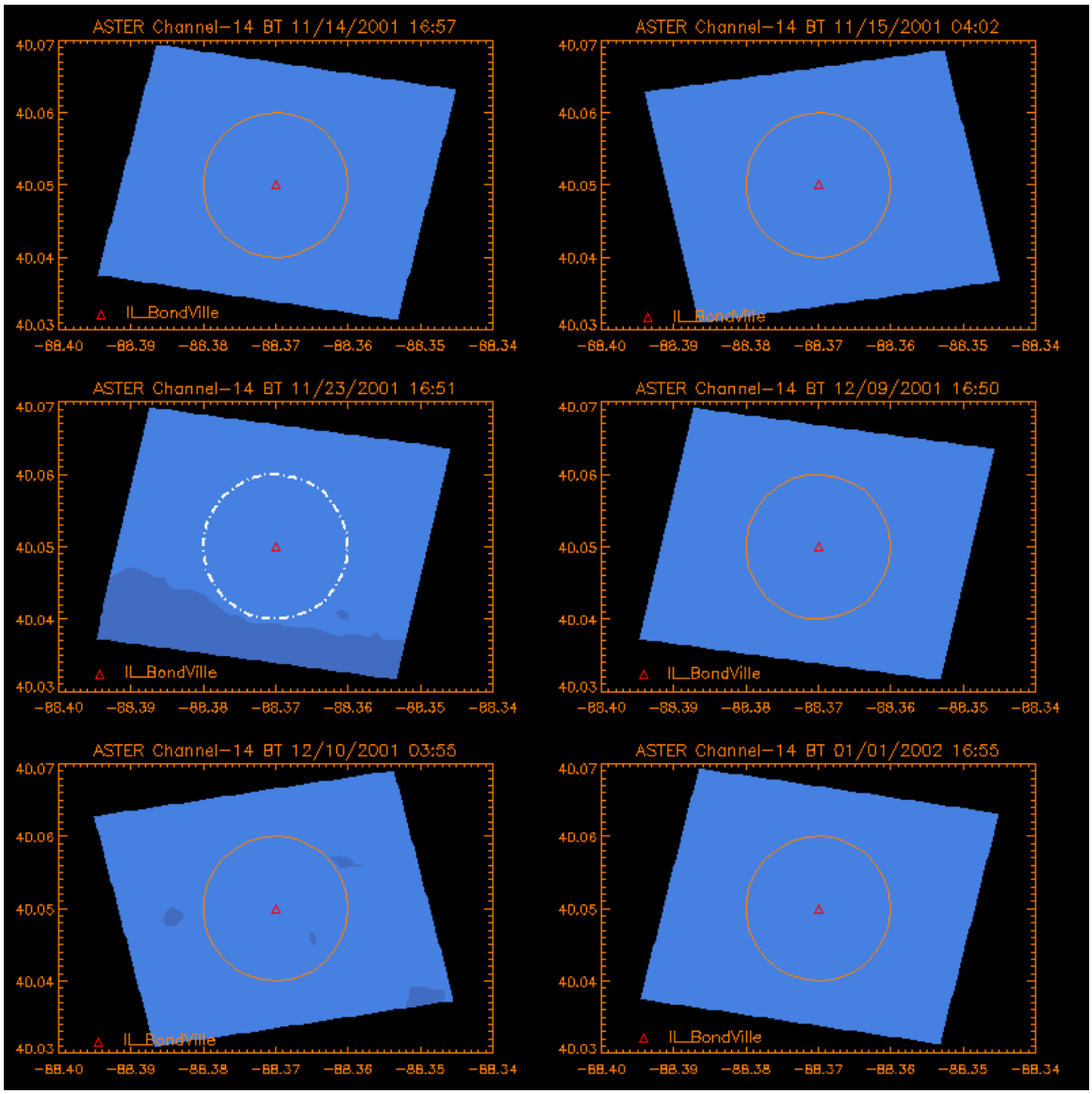
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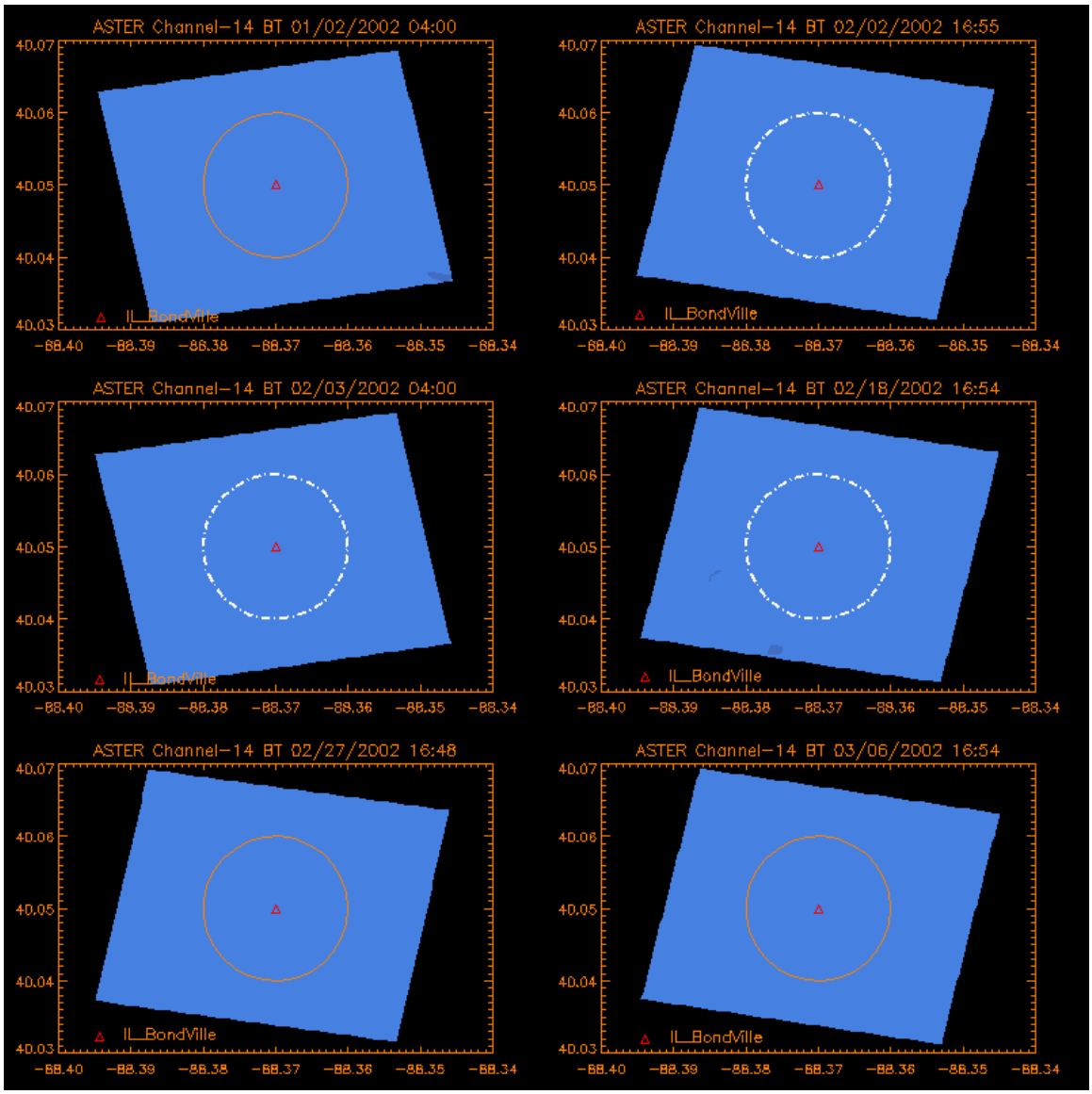
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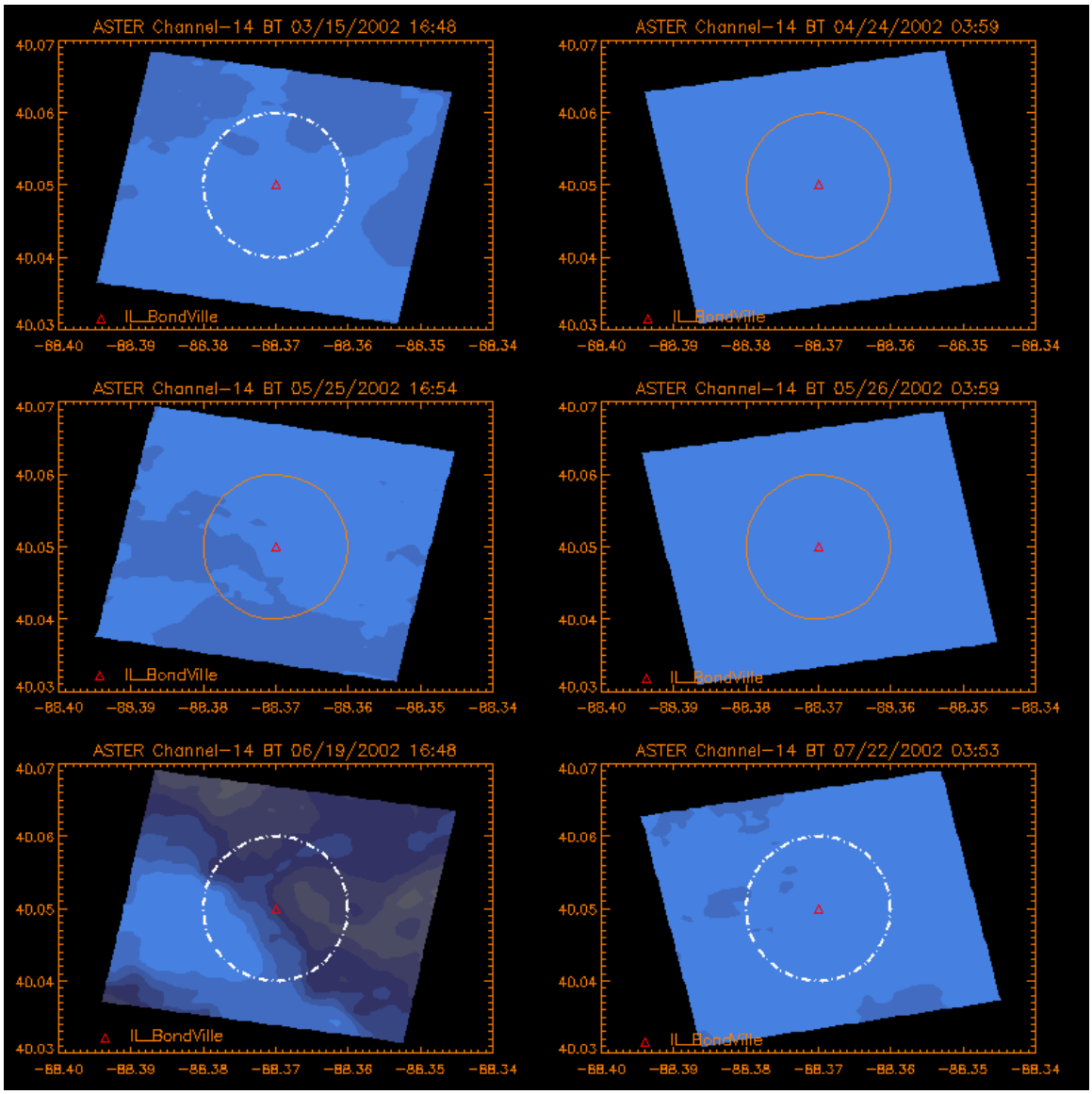
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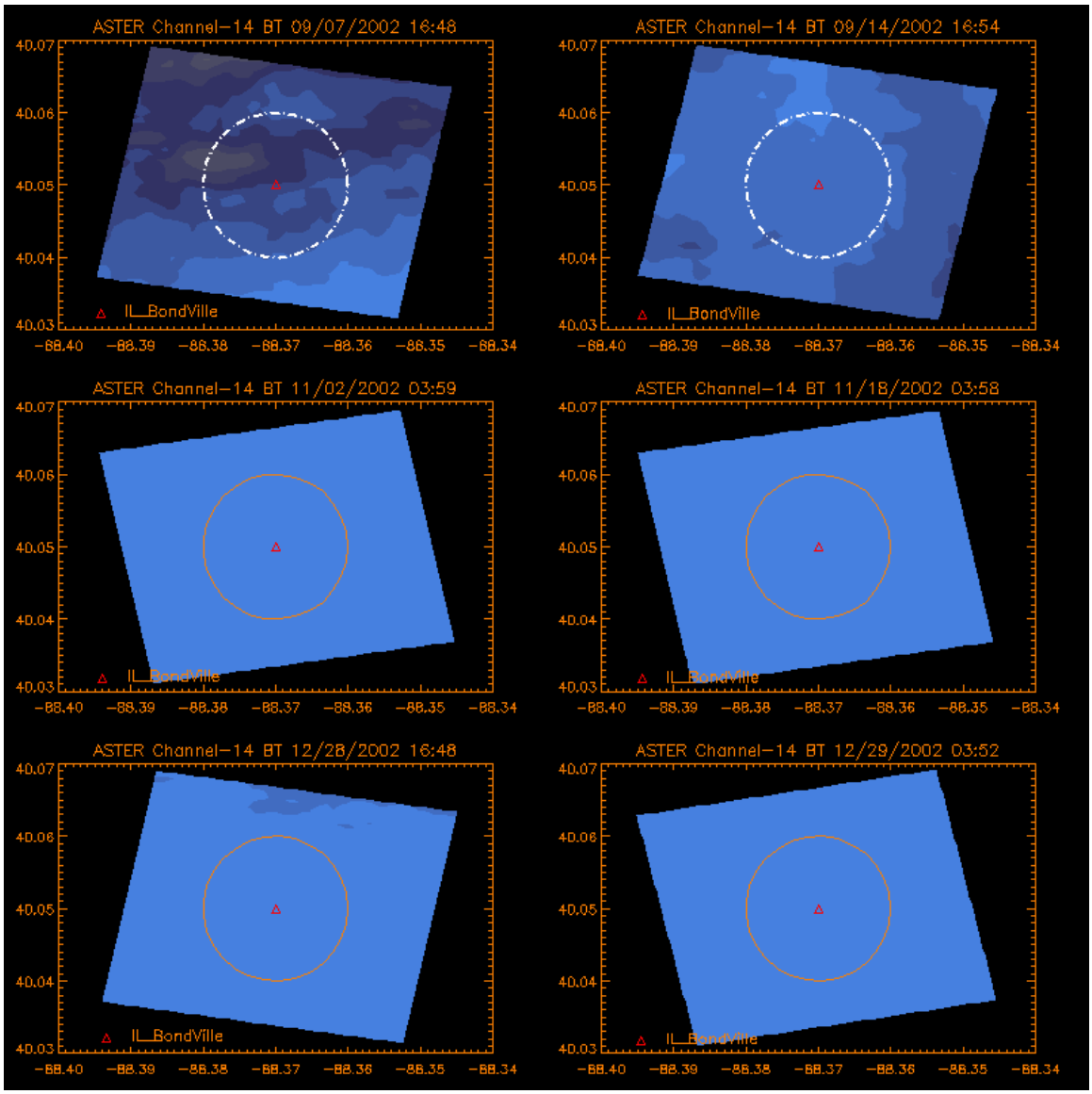
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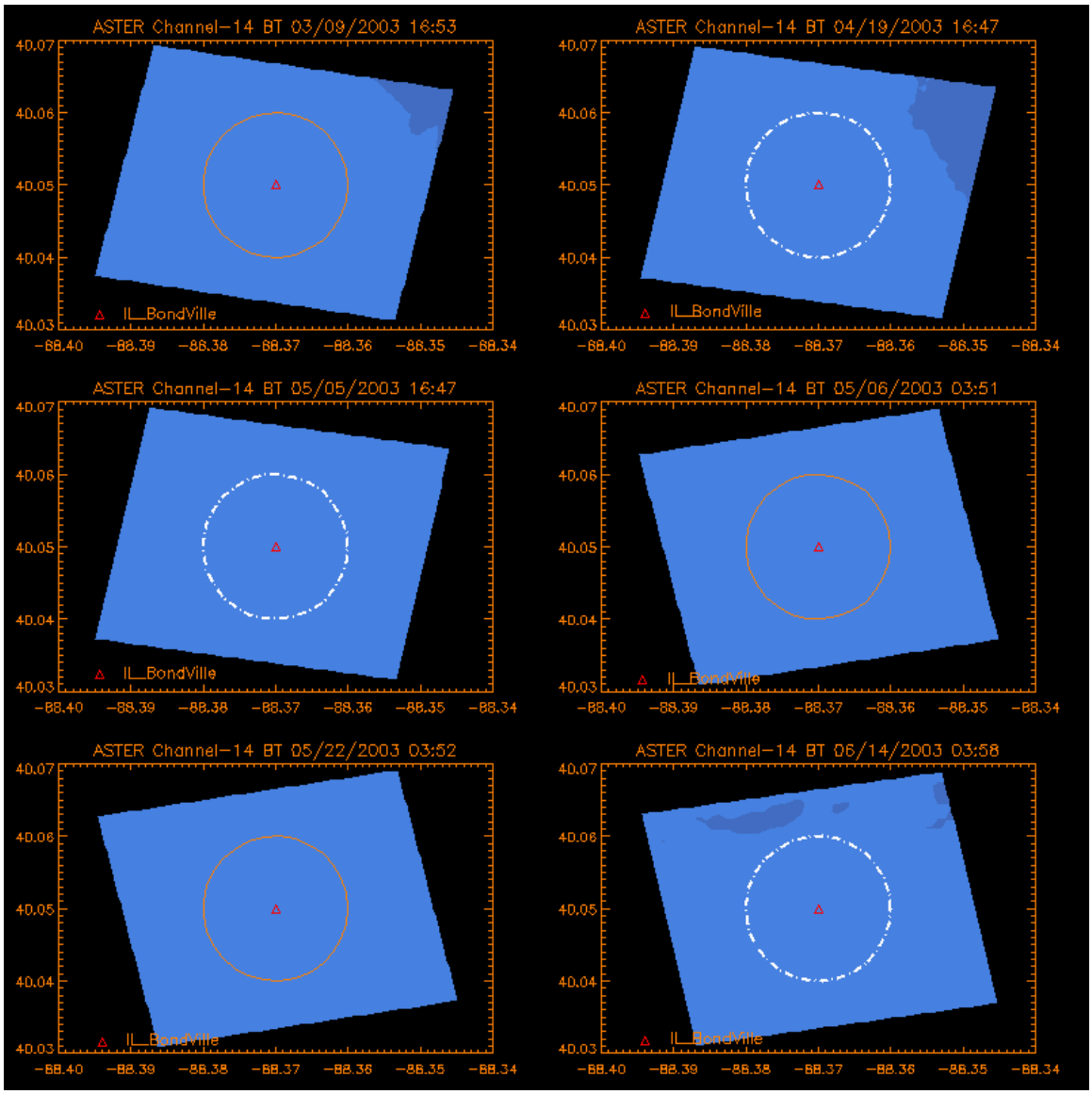
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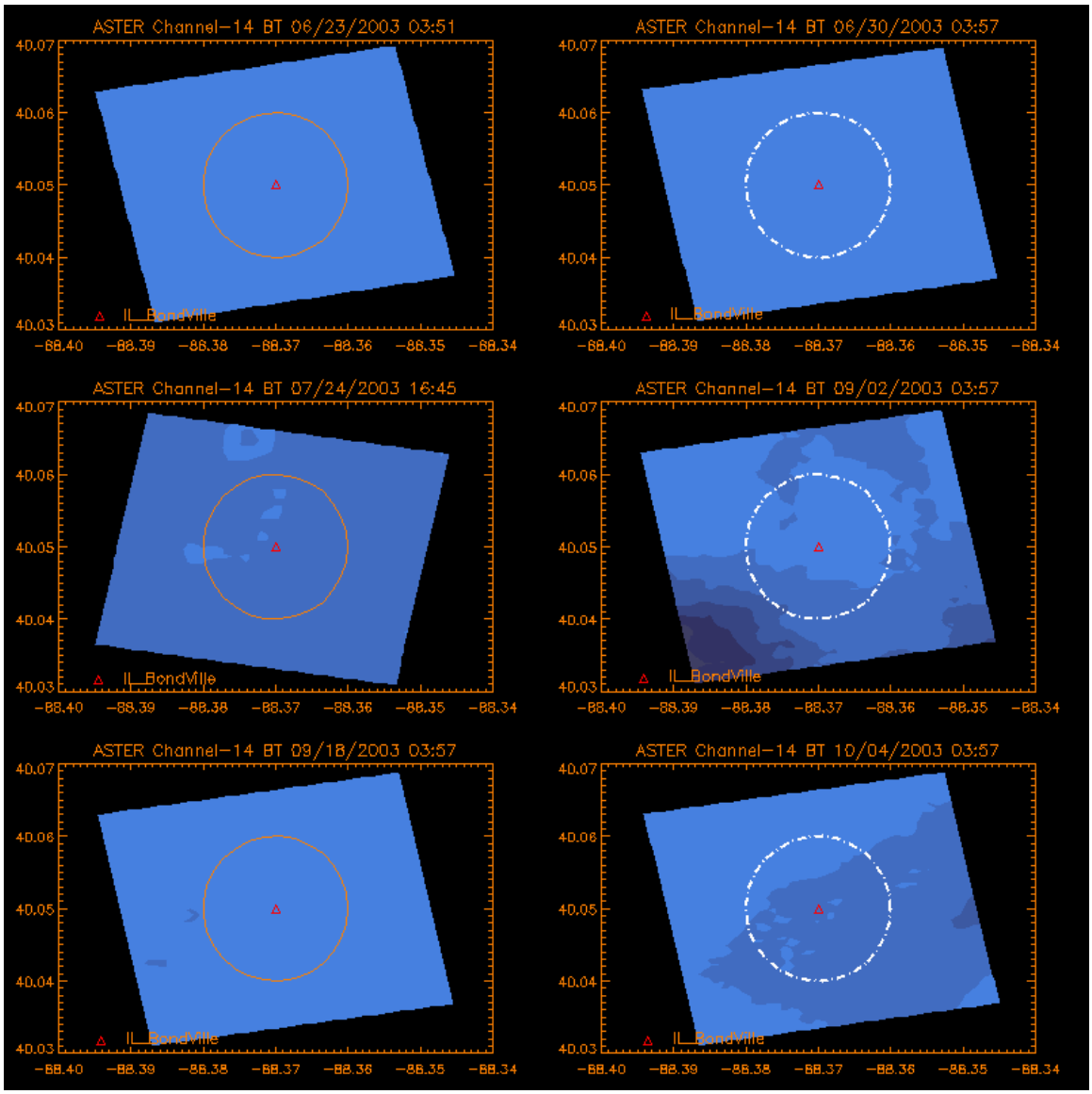
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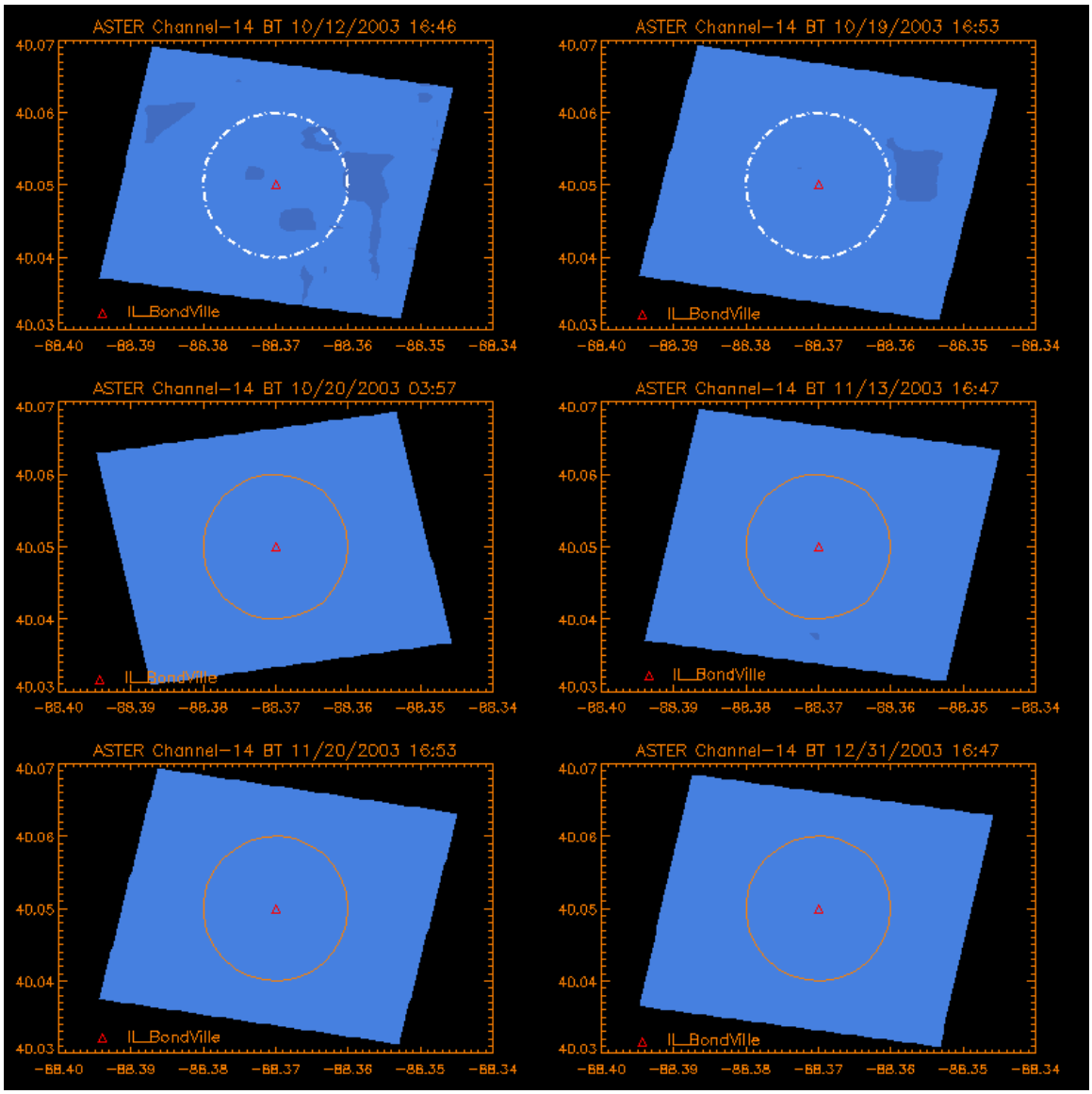
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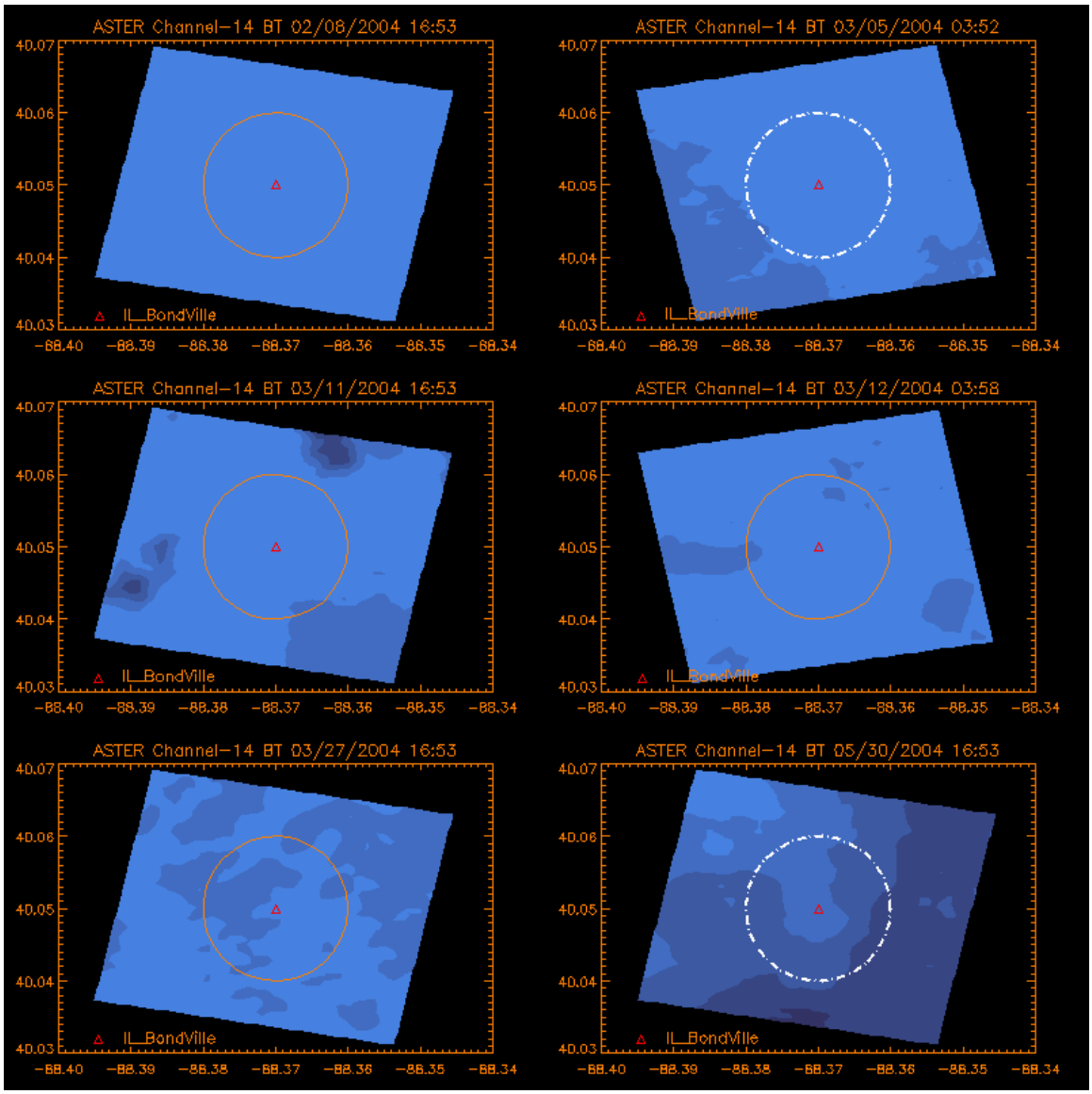
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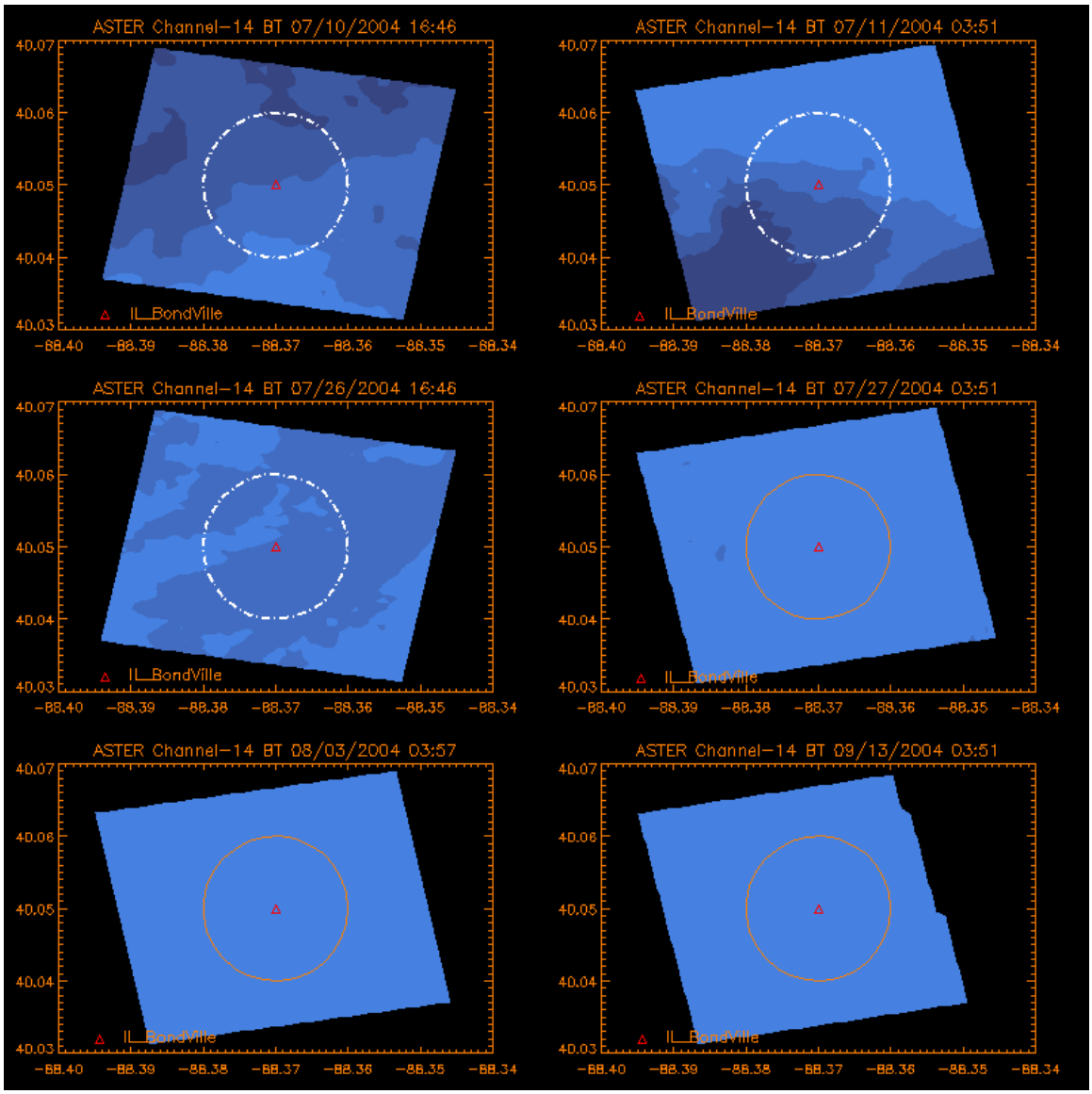
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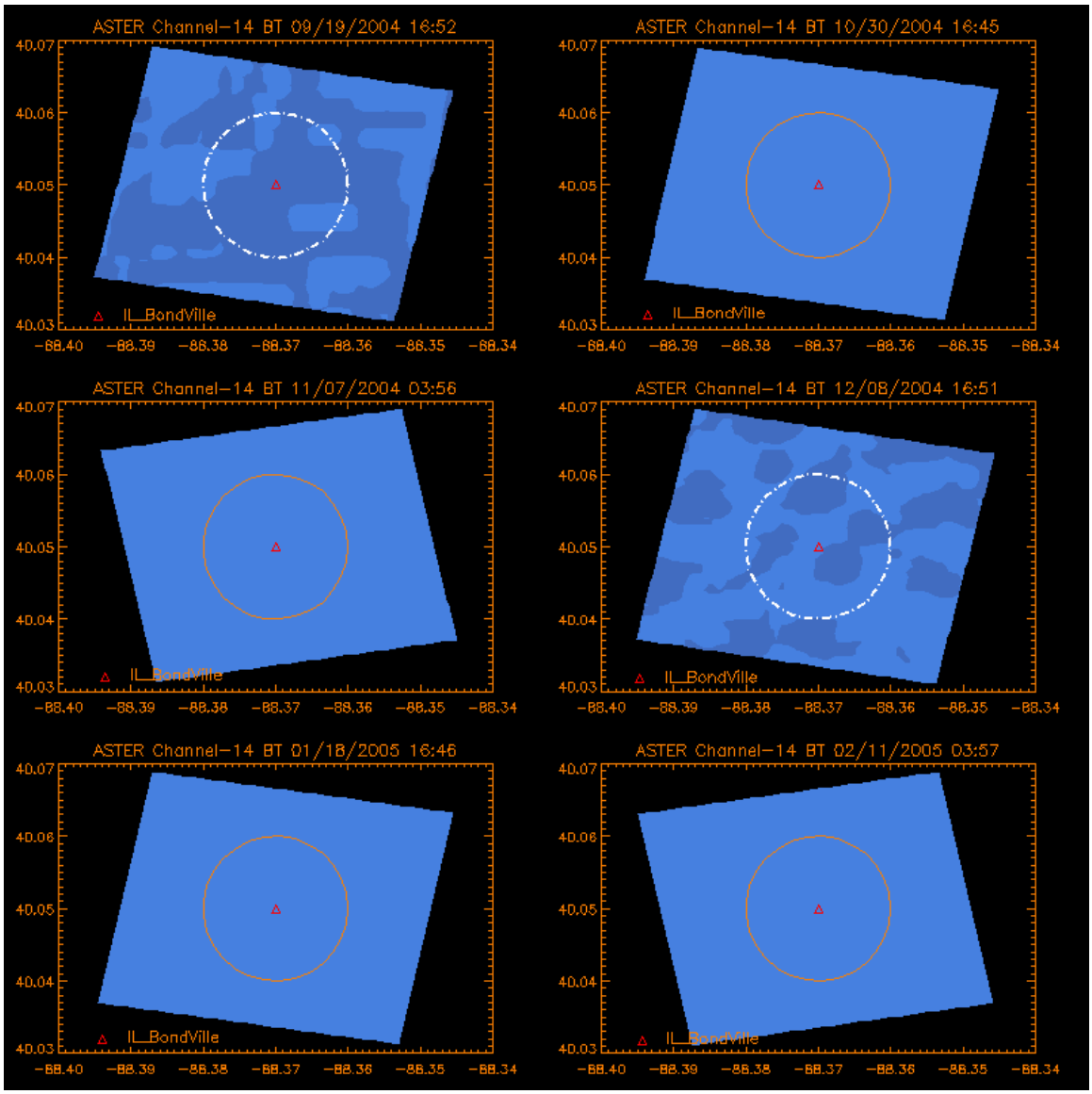
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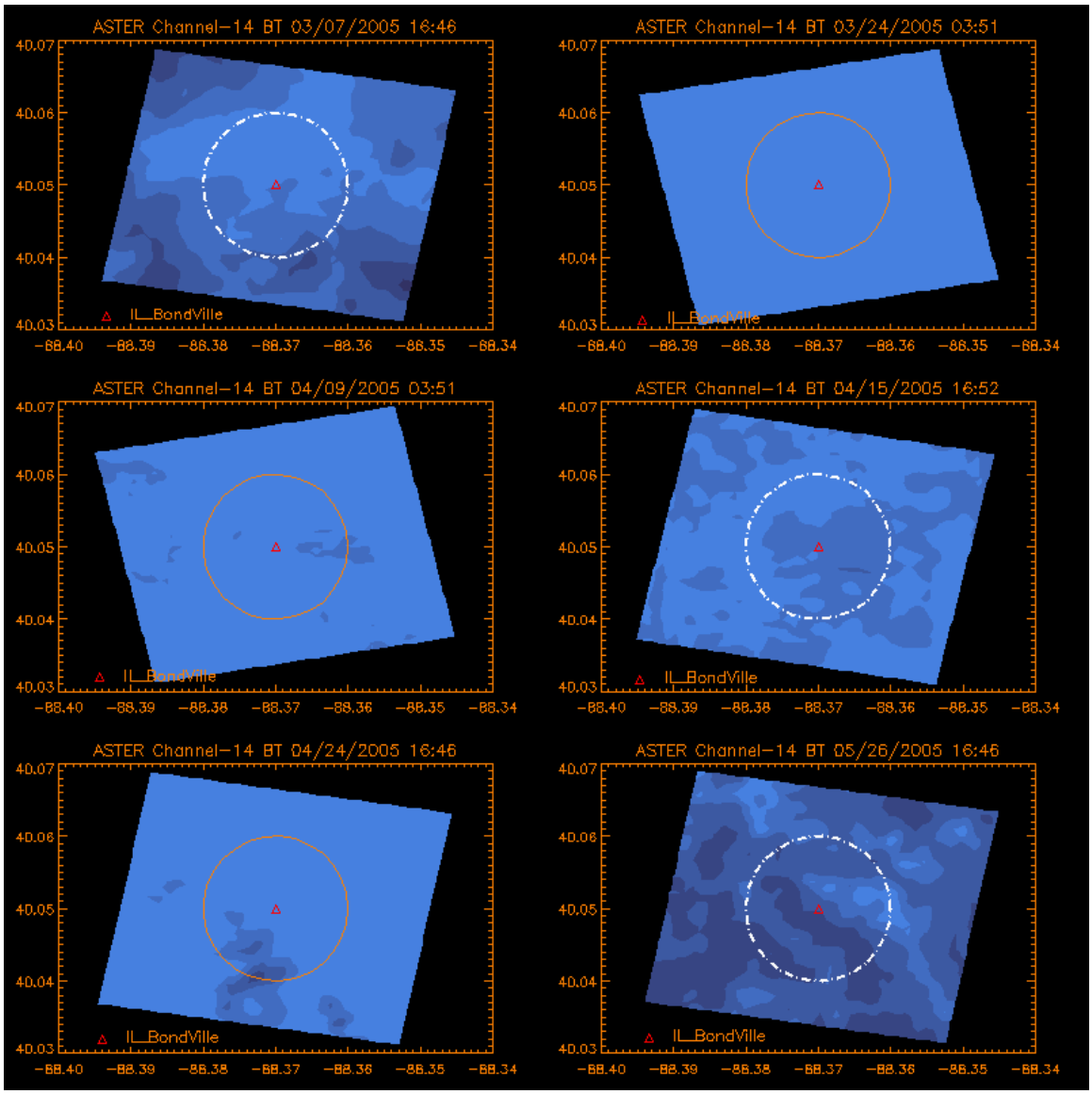
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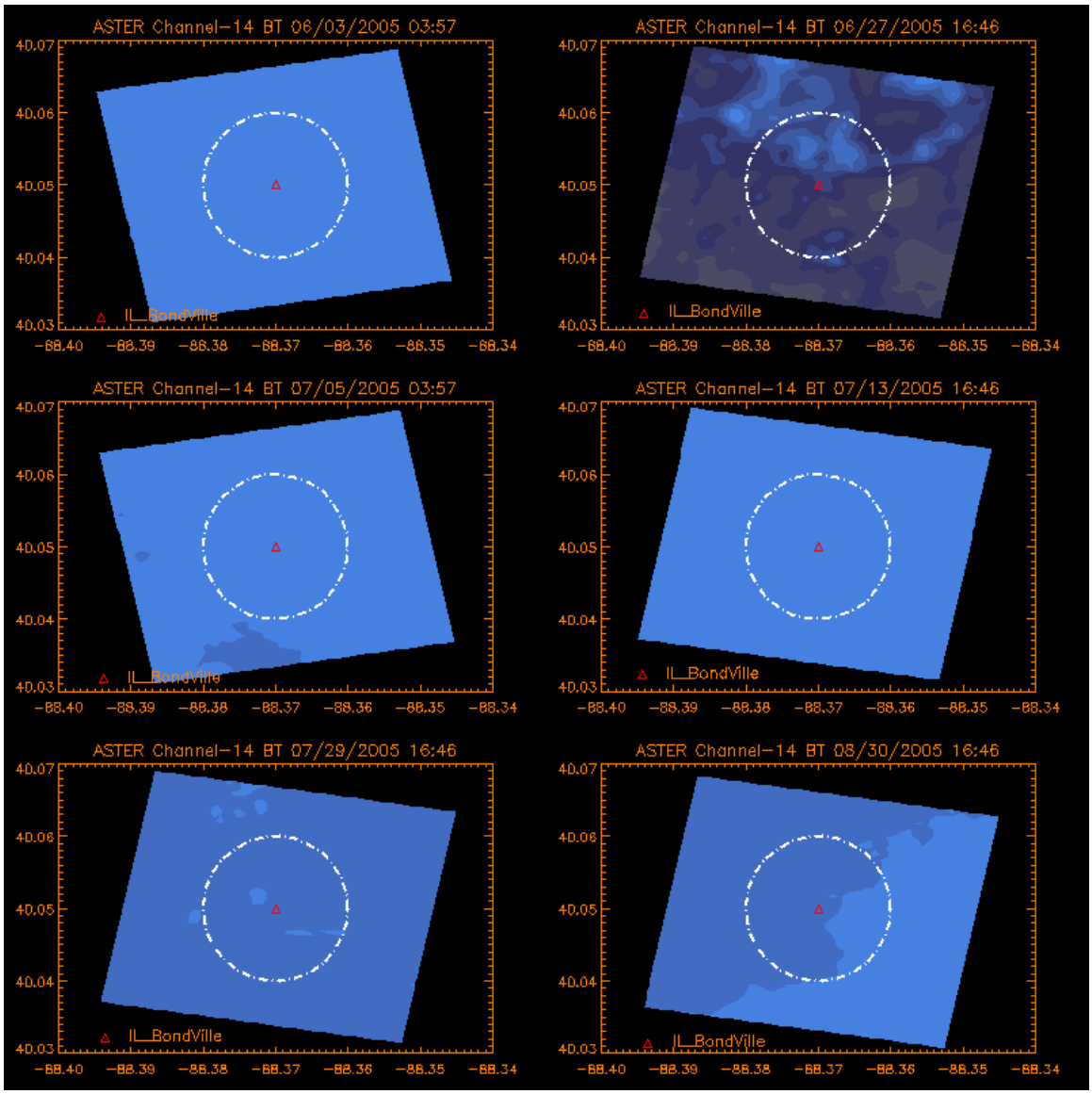
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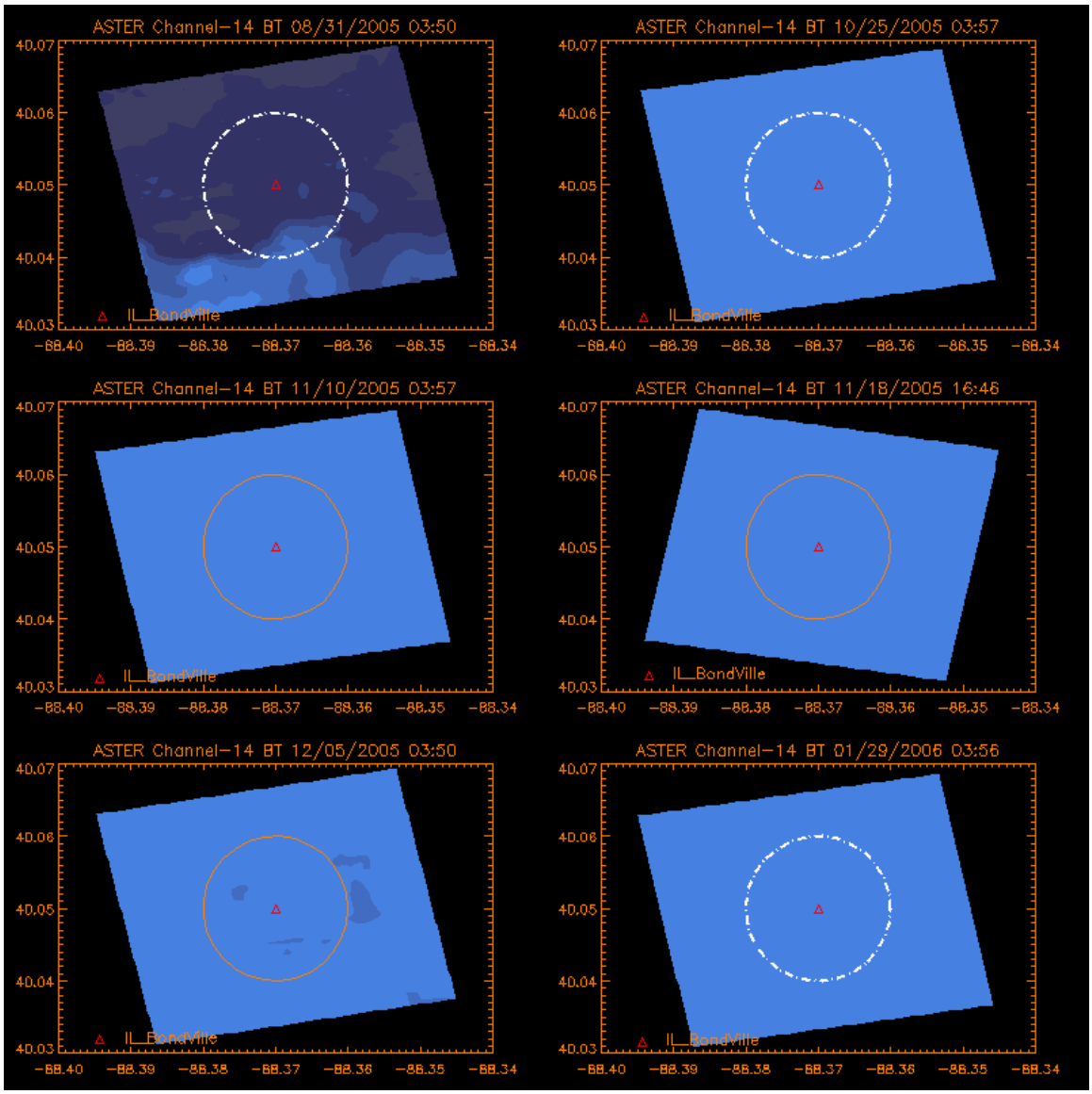
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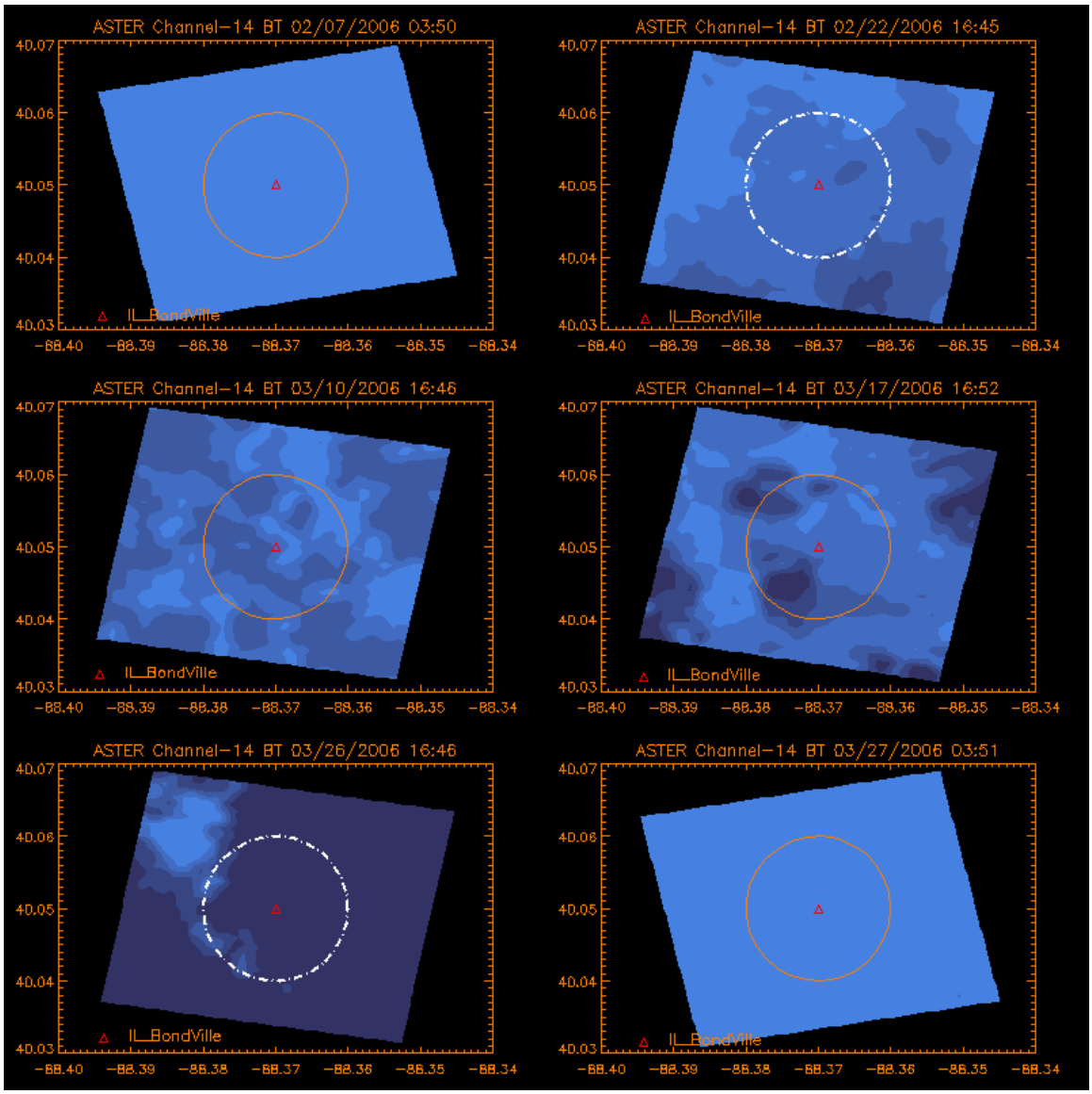
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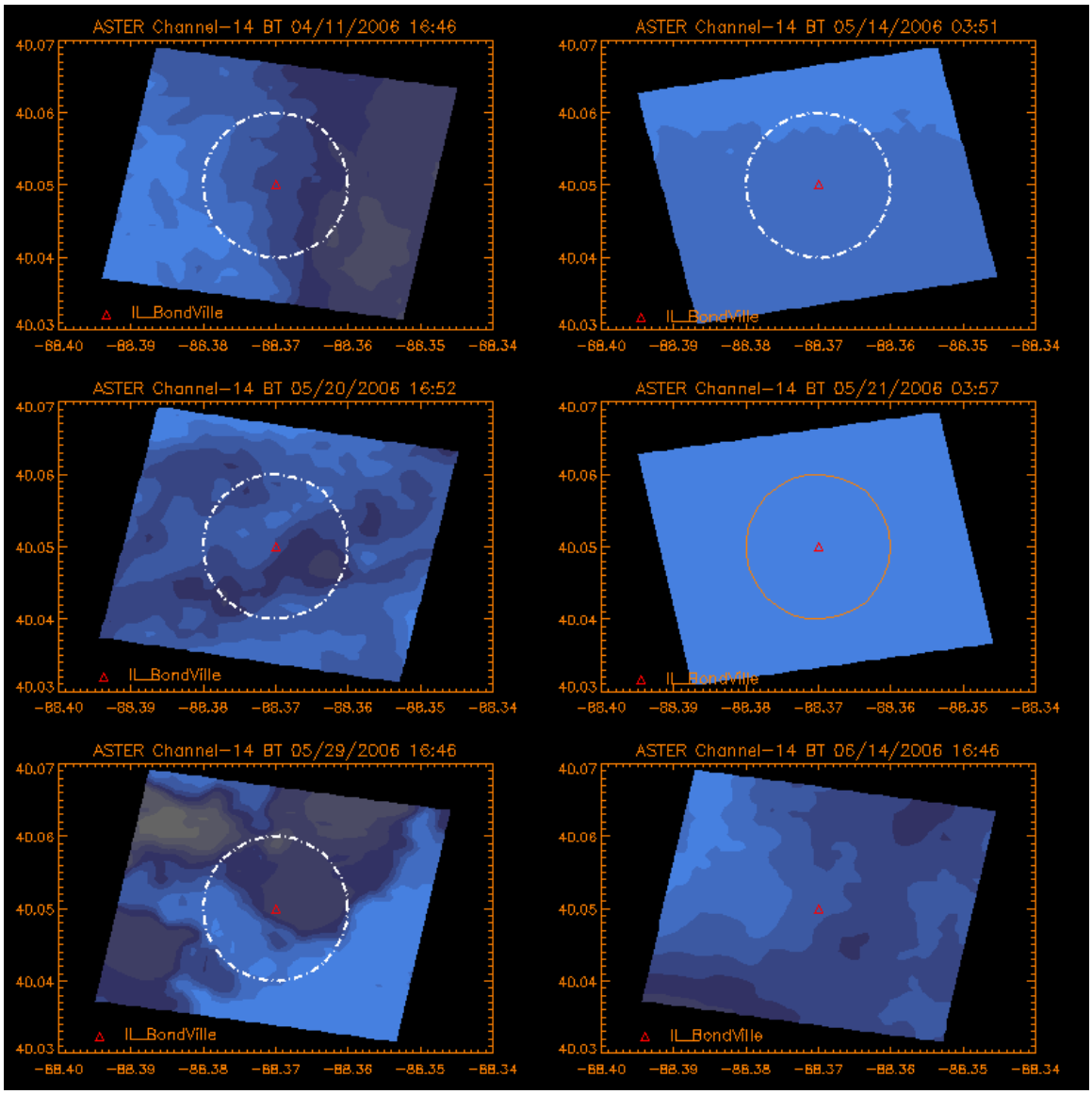
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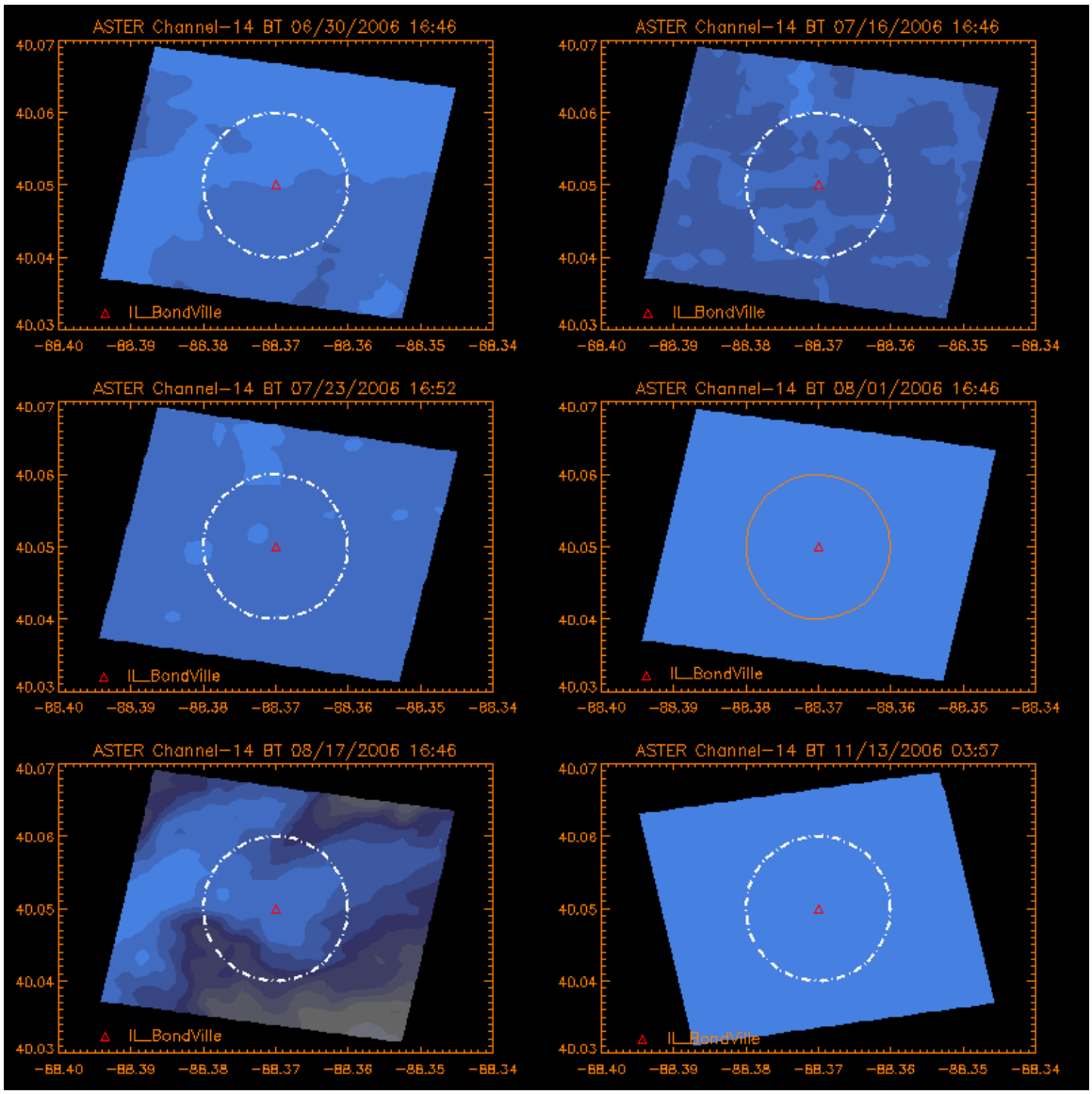
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