

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9126 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 16 2012

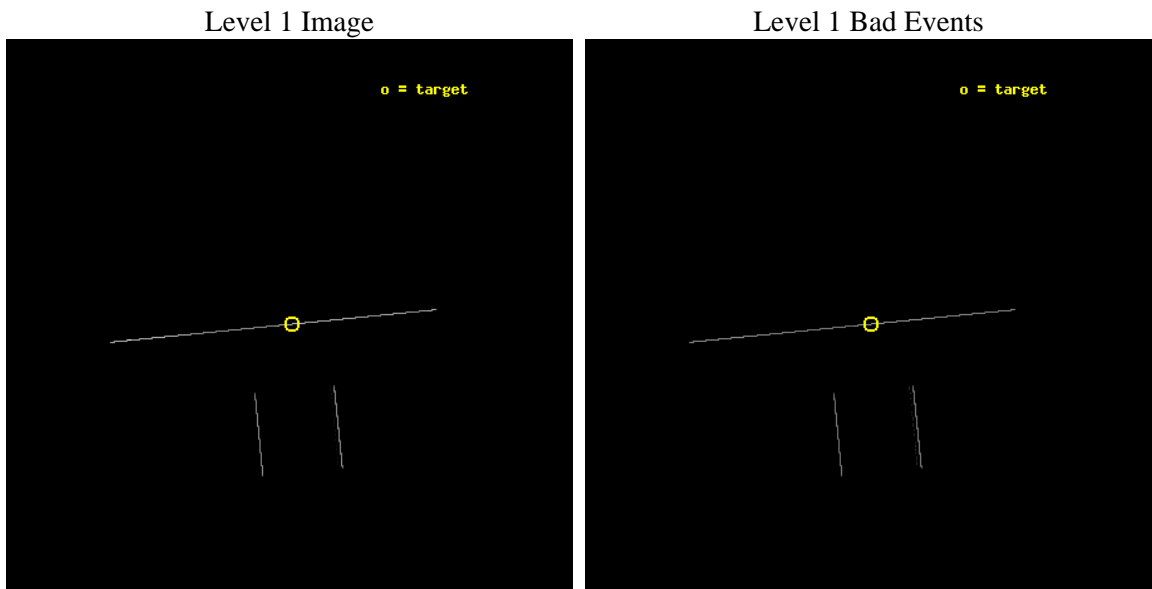
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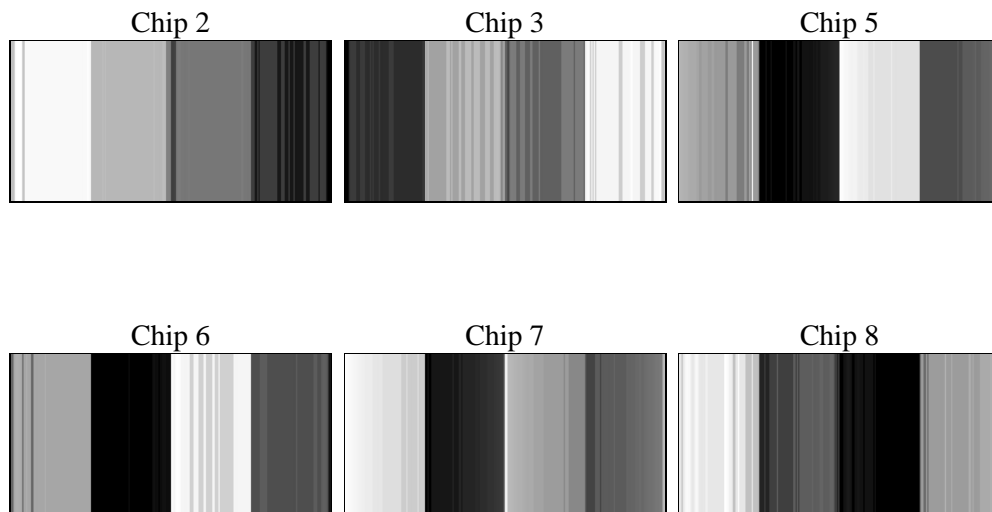
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	40187.75	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	40187.75	Sum of GTIs [s]
date	2012-05-16T03:58:16	Date and time of file creation	ontime3	40187.75	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	40187.75	Sum of GTIs [s]
			ontime6	40187.75	Sum of GTIs [s]
			ontime7	40187.75	Sum of GTIs [s]
			ontime8	40187.75	Sum of GTIs [s]
			l1events	1185812	Number of level 1 events

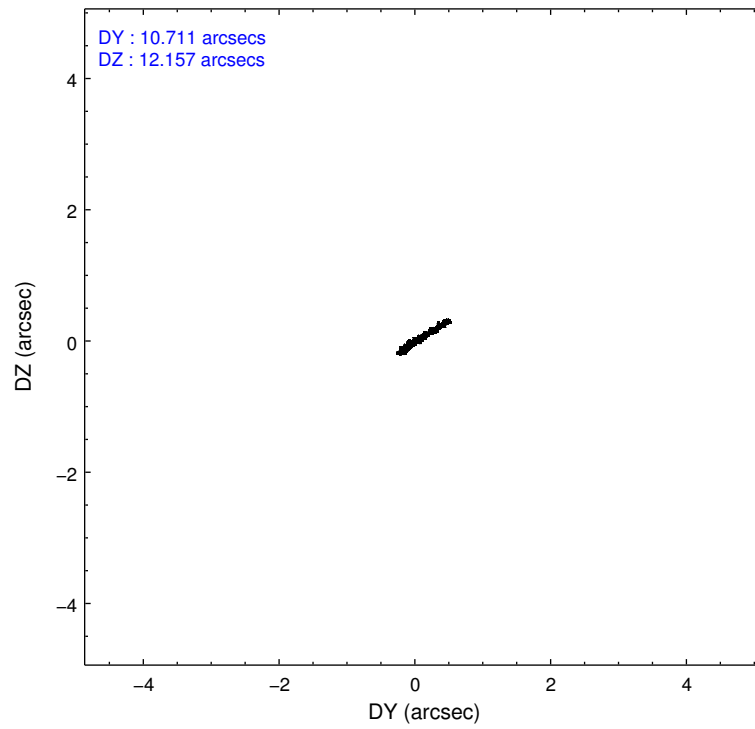
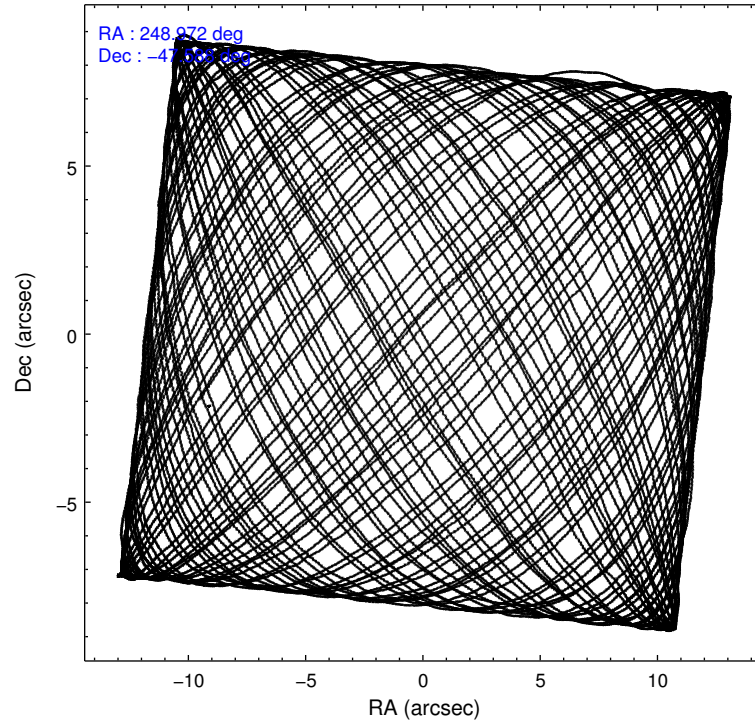
2.1.4 Events

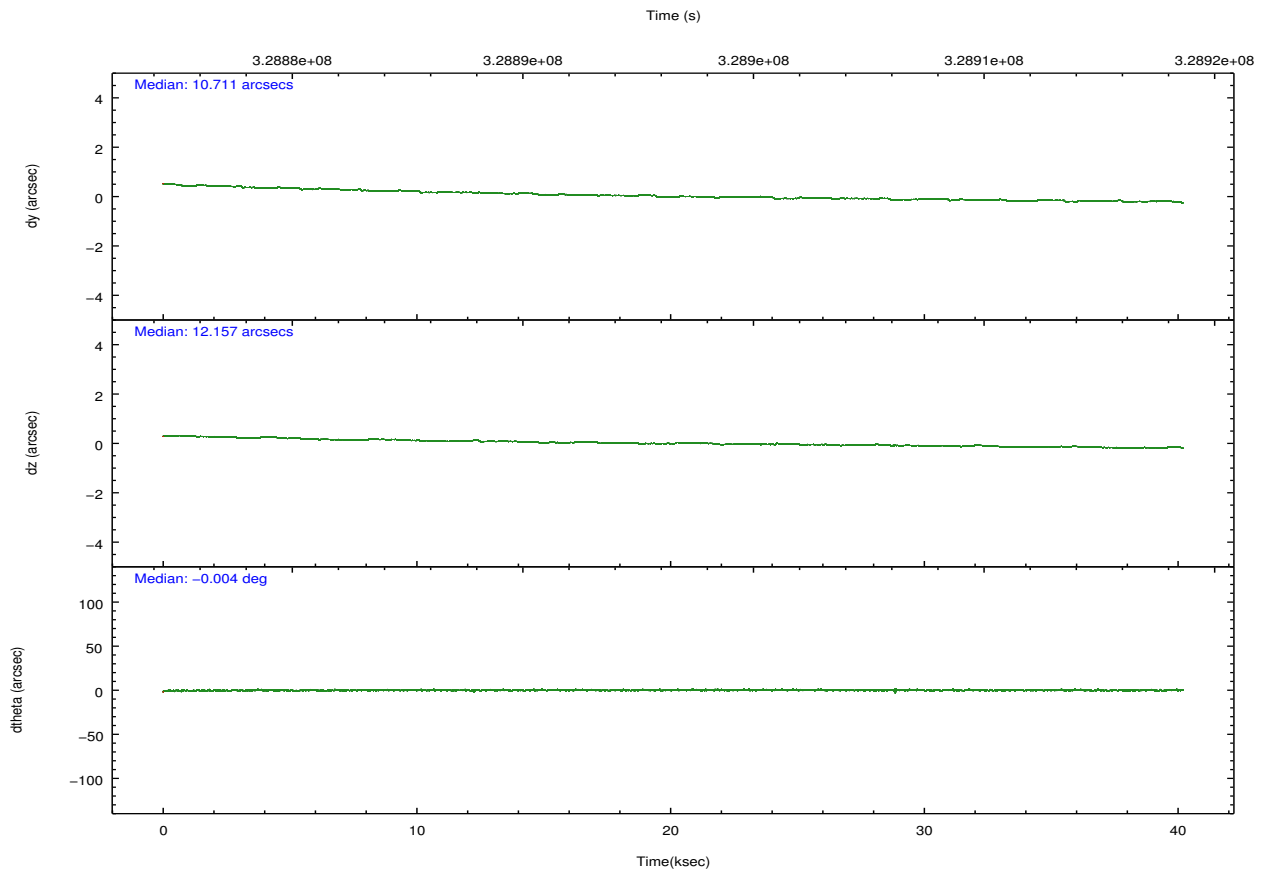
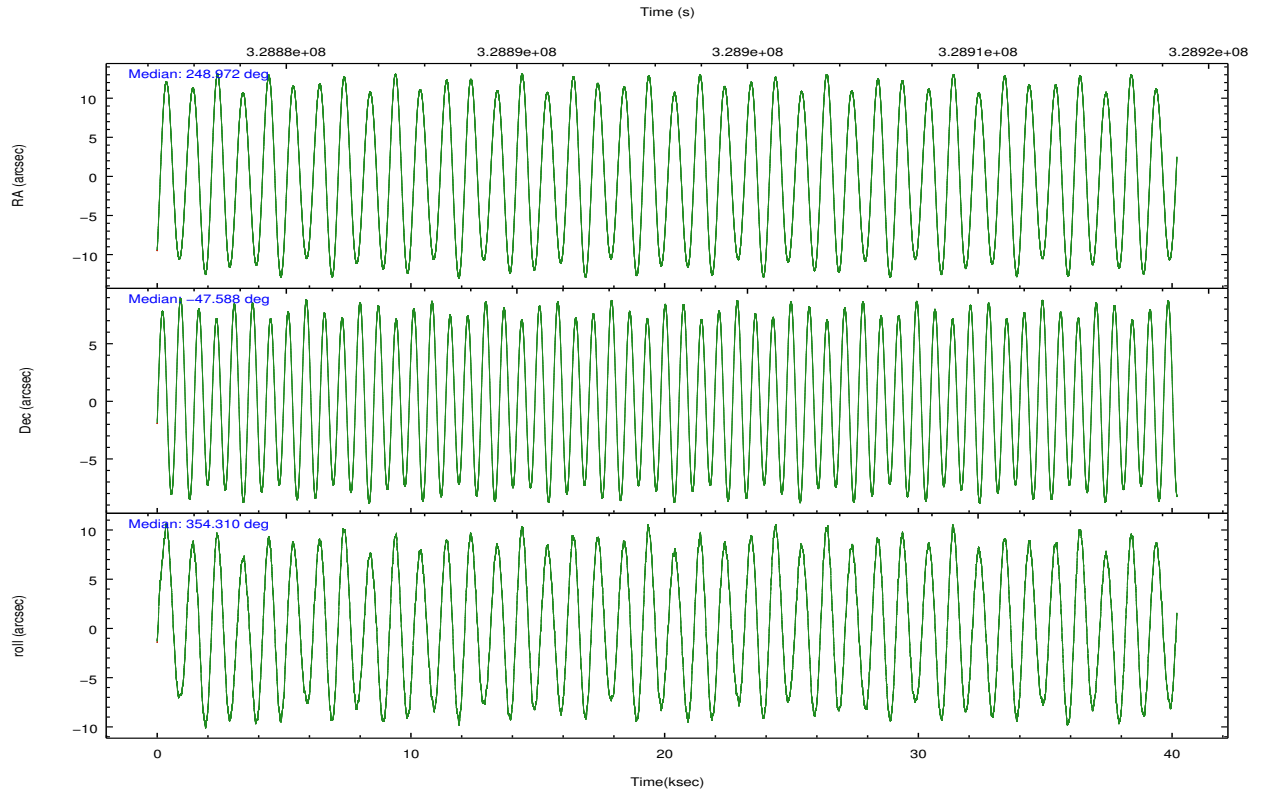
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	77957	87169	506660	85865	248313	179848	grade 0 events	8937	10027	165960	8737	15434	32155
rejected events	14859	16980	35841	17456	40828	25133		11%	11%	32%	10%	6%	17%
rejected %	19%	19%	7%	20%	16%	13%	grade 1 events	327	341	671	361	571	637
								0%	0%	0%	0%	0%	0%
							grade 2 events	25016	27854	136125	26798	53799	50954
								32%	31%	26%	31%	21%	28%
							grade 3 events	7934	9002	6600	8277	12655	16268
								10%	10%	1%	9%	5%	9%
							grade 4 events	7924	7936	6294	7928	12293	15736
								10%	9%	1%	9%	4%	8%
							grade 5 events	14349	16441	34225	16894	39667	24106
								18%	18%	6%	19%	15%	13%
							grade 6 events	13470	15568	156785	16870	113894	39992
								17%	17%	30%	19%	45%	22%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	248.935580	248.9722902394824	CCD I2 on	O2	Y
[deg] Pointing Dec	-47.599278	-47.58767403502261	CCD I3 on	O3	Y
[deg] Pointing Roll	354.133164	354.3168931802957	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	328876608.184000	328876021.16417	CCD S5 on	N	N
Observation start date	2008-06-03T10:35:43	2008-06-03T10:27:01	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	328916608.184000	328917908.30371	On-chip summing requested	N	N
Observation end date	2008-06-03T21:42:23	2008-06-03T22:05:08	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



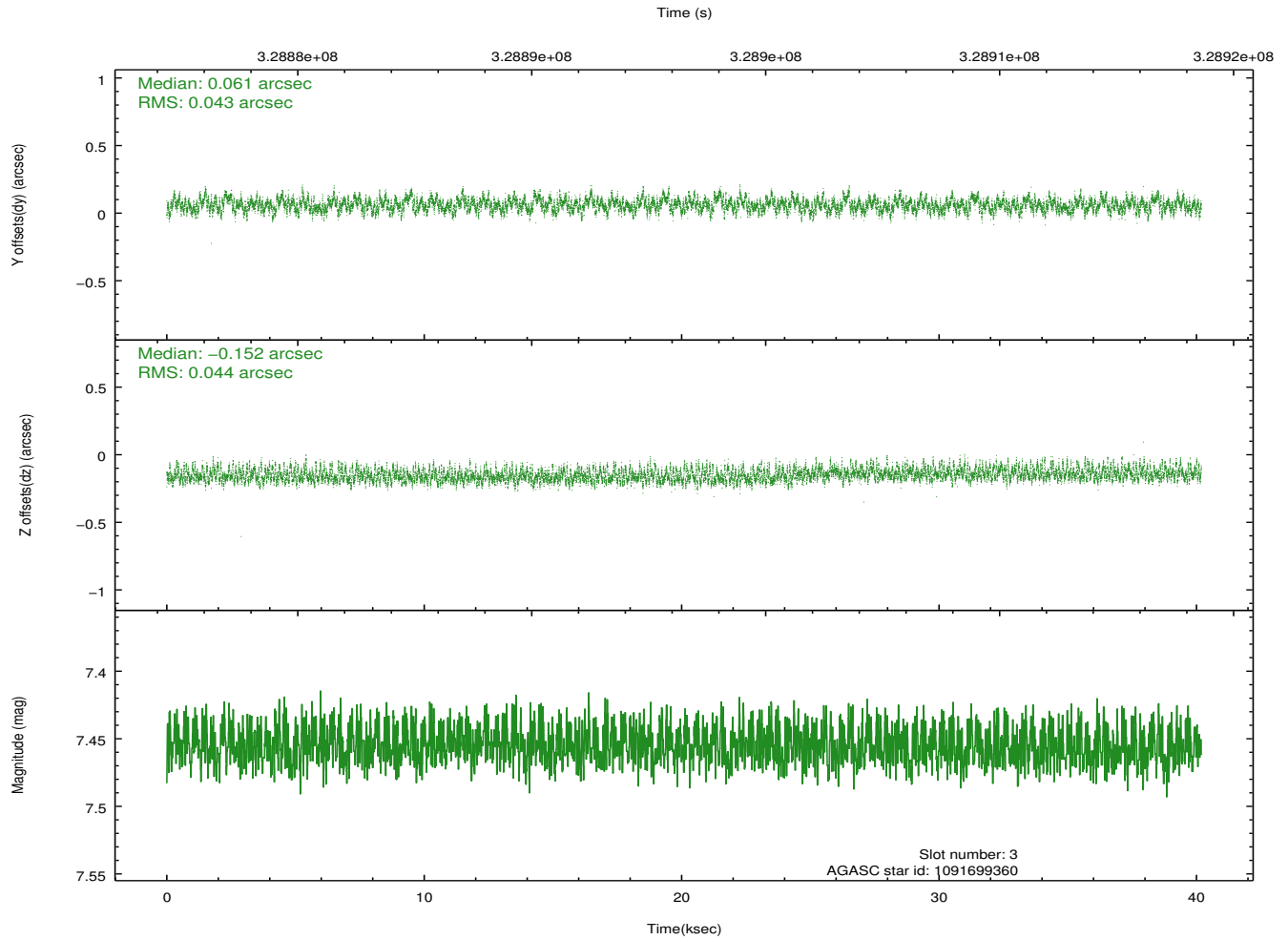
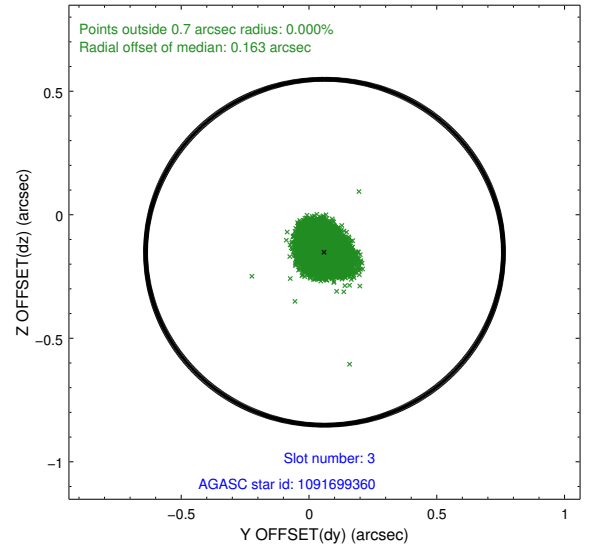
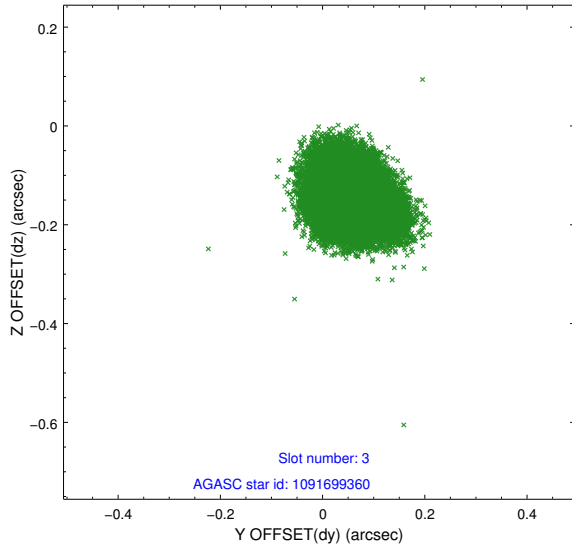


Slot Statistics

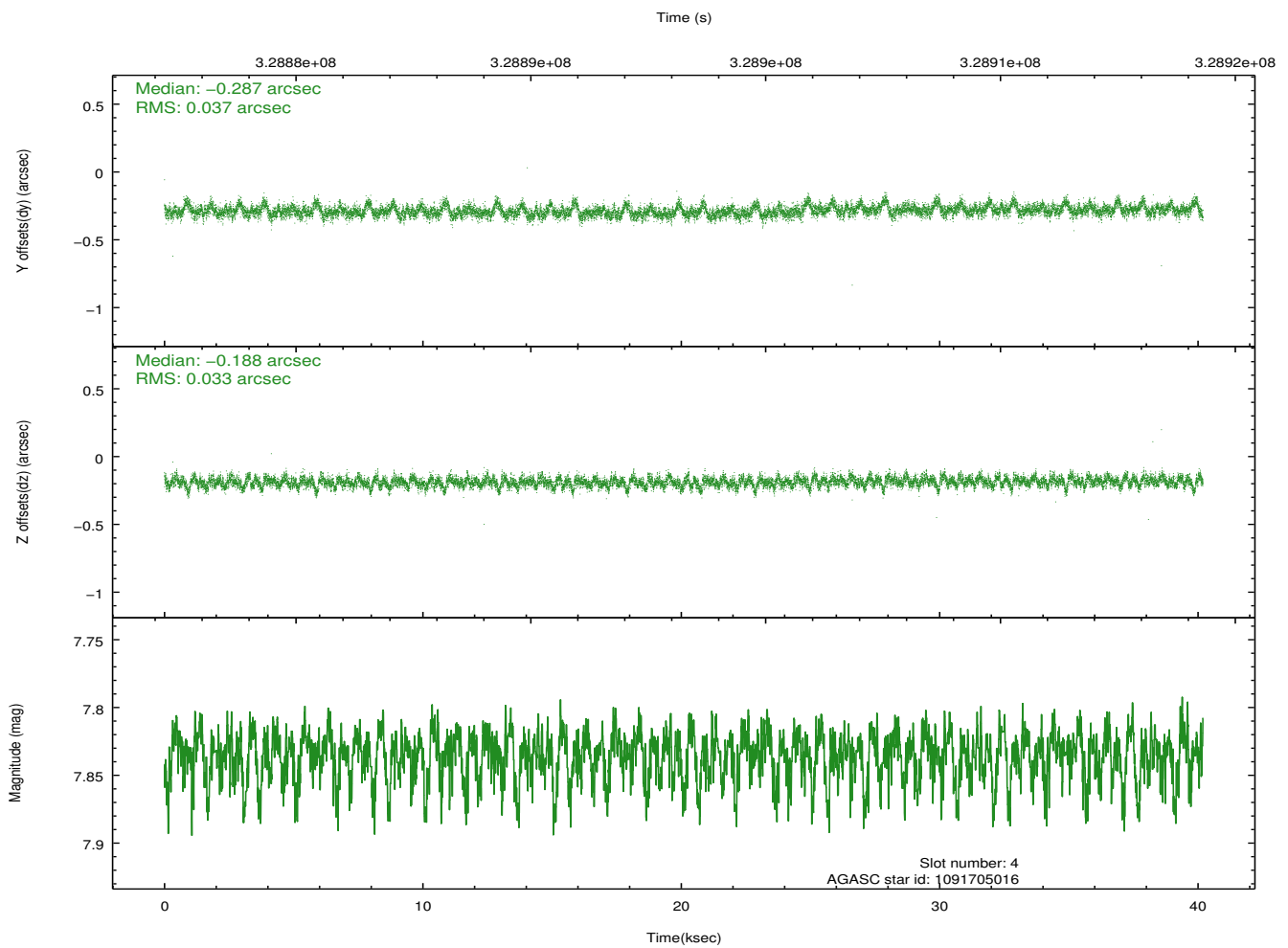
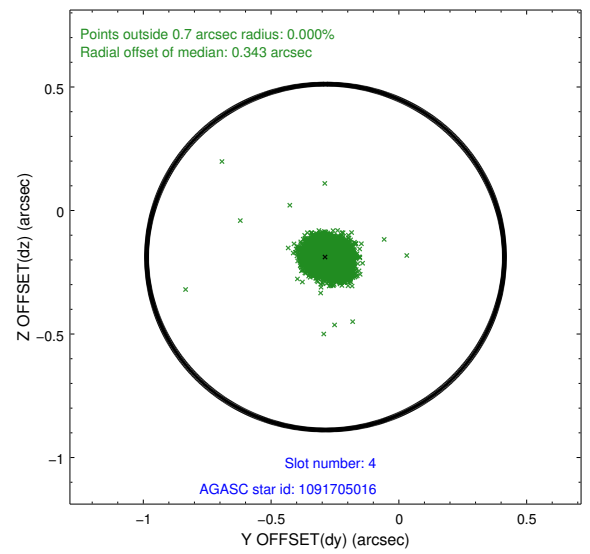
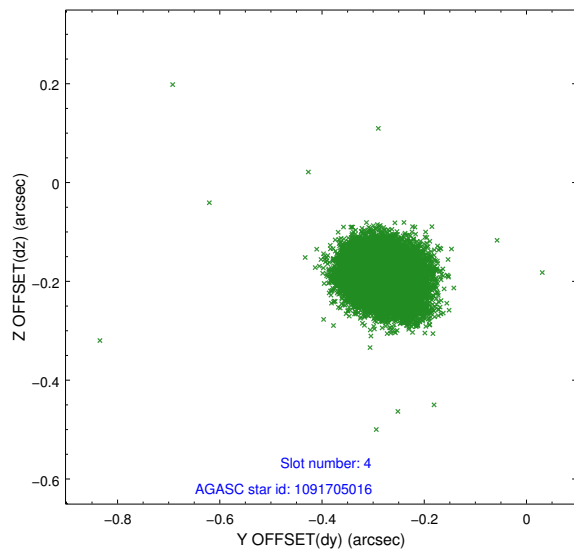
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.99	9803	0.075	-0.075	0.010	0.016	0.000000	0.000000	932.45	-1729.15
1	FID	ACIS-S-5	7.02	9804	-0.113	0.046	0.015	0.021	0.000000	0.000000	-1816.68	168.58
2	FID	ACIS-S-6	7.13	9804	0.019	0.039	0.018	0.025	0.000000	0.000000	398.00	812.49
3	GUIDE	1091699360	7.46	19605	0.061	-0.152	0.067	0.105	248.660725	-47.004364	-889.95	2060.14
4	GUIDE	1091705016	7.83	19600	-0.287	-0.188	0.051	0.086	249.888030	-47.558250	2288.02	369.61
5	GUIDE	1091705224	9.21	19592	0.124	0.099	0.102	0.158	248.613211	-47.940846	-646.88	-1304.30
6	GUIDE	1091709768	7.71	19604	0.011	0.121	0.048	0.076	249.435228	-47.706899	1244.46	-265.49
7	GUIDE	1091698696	8.80	19588	0.091	0.117	0.080	0.128	248.529134	-48.079711	-794.77	-1823.13

2.4 Star Slots

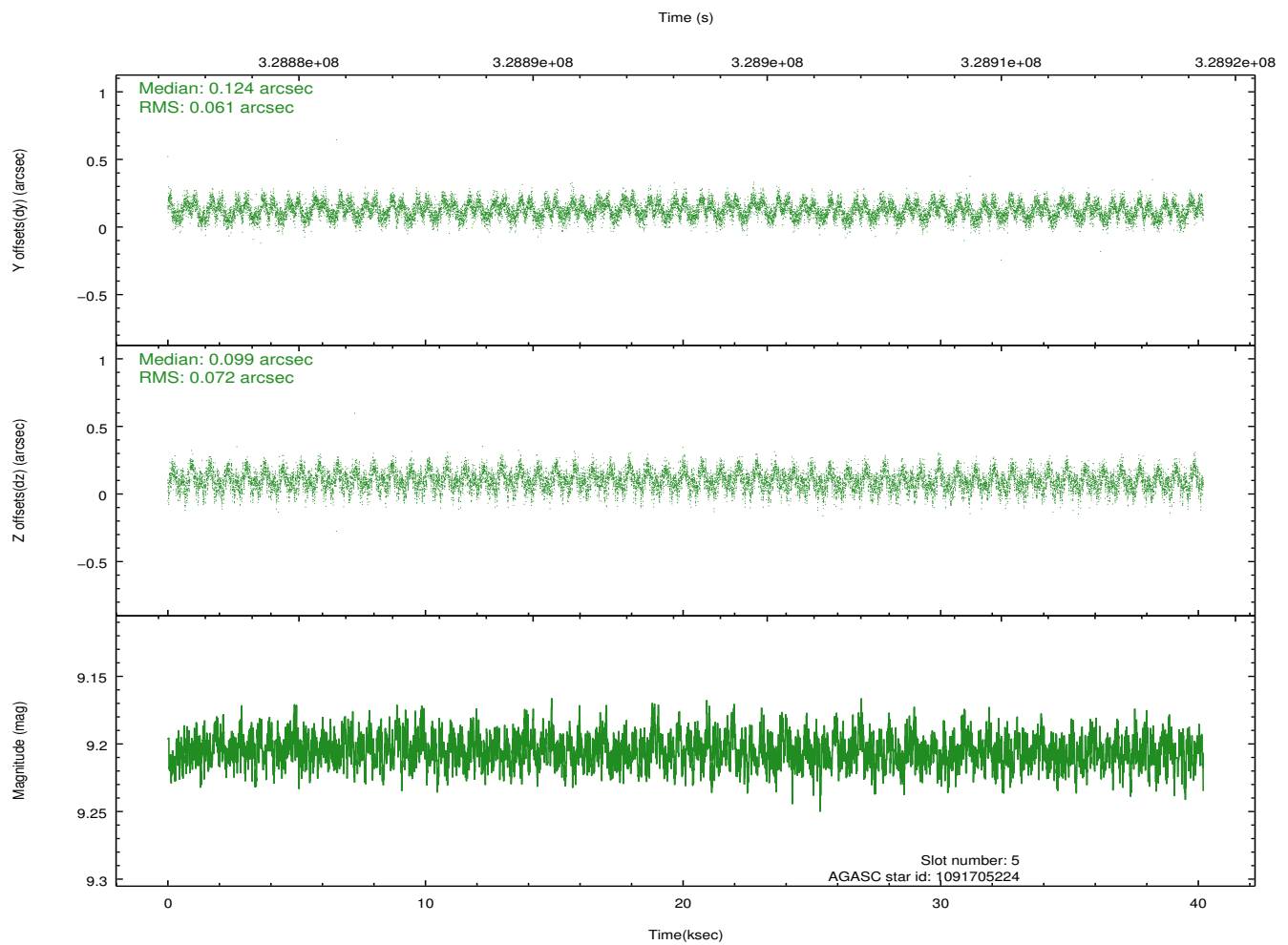
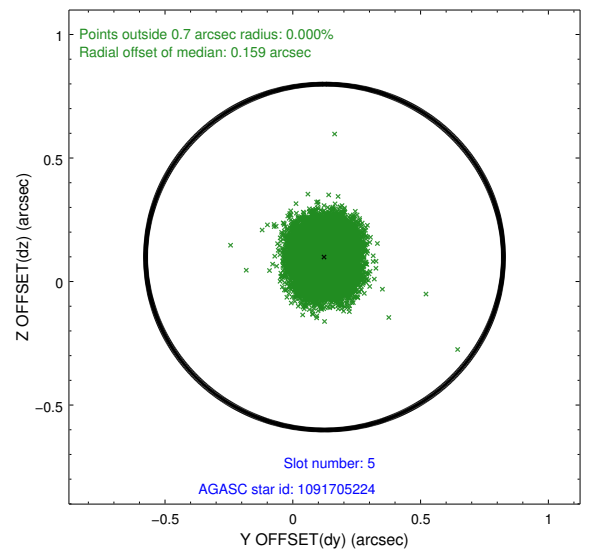
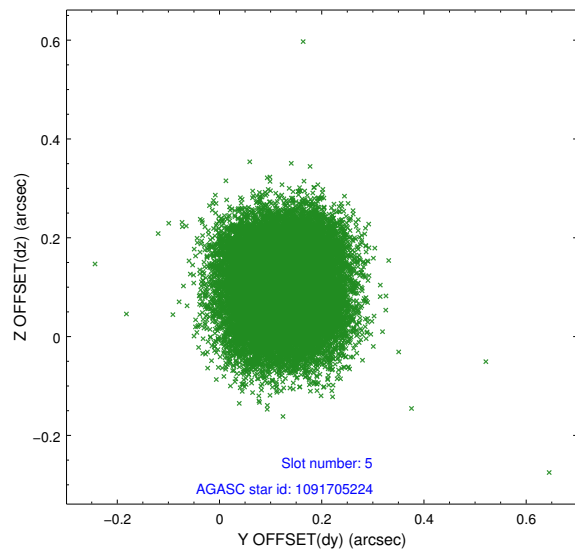
2.4.1 Slot 3



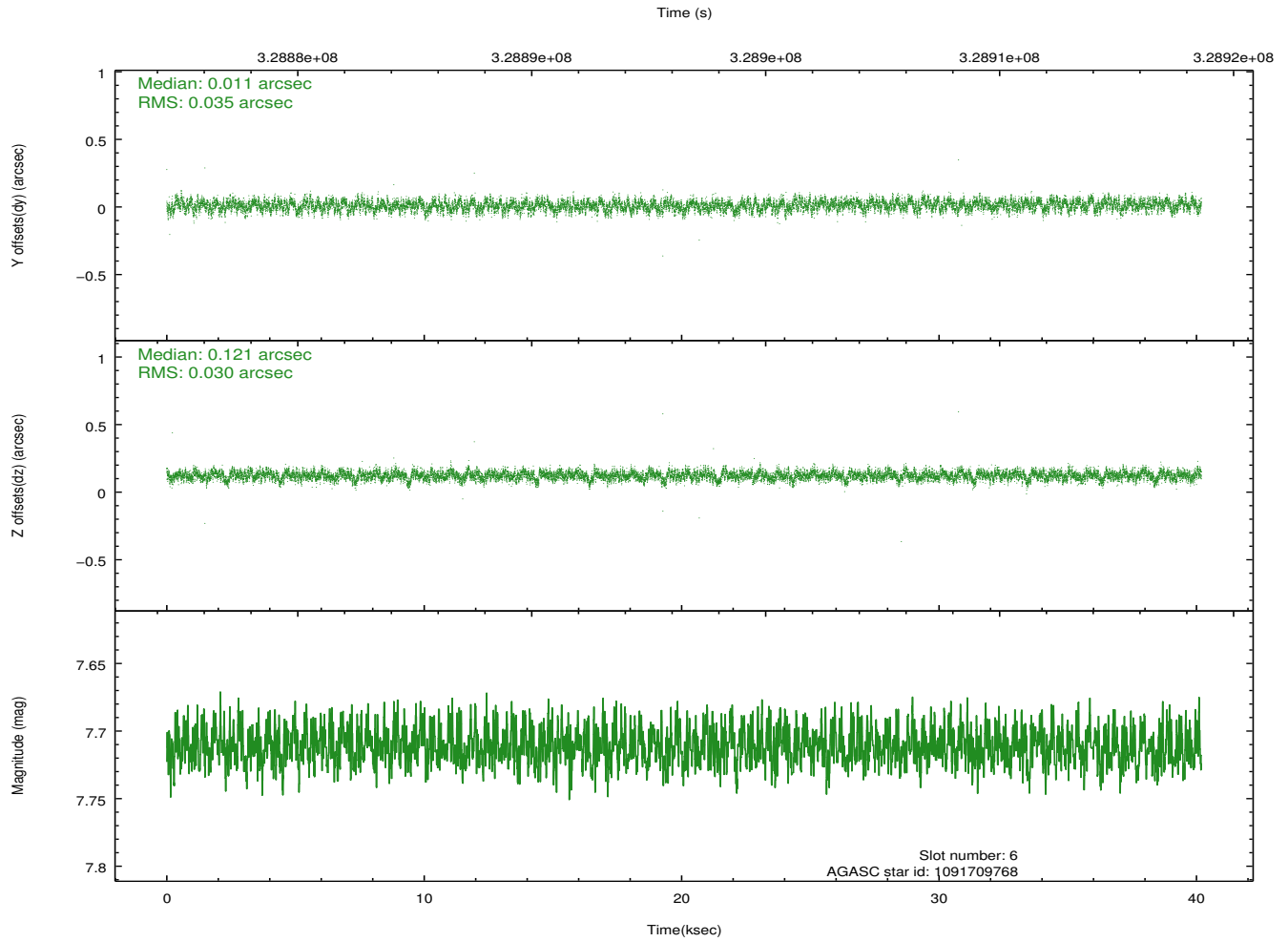
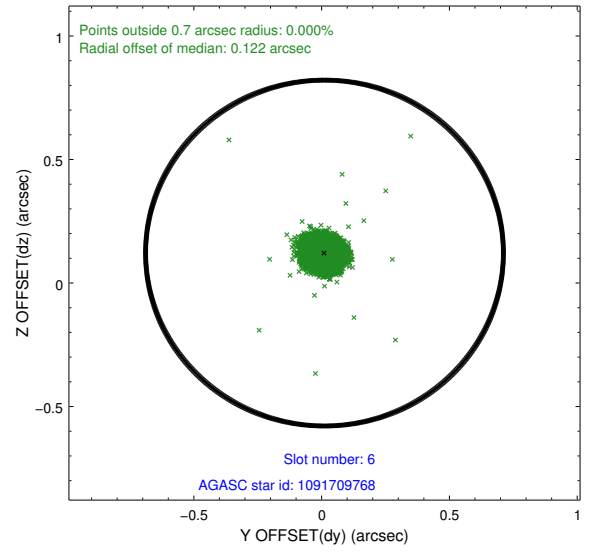
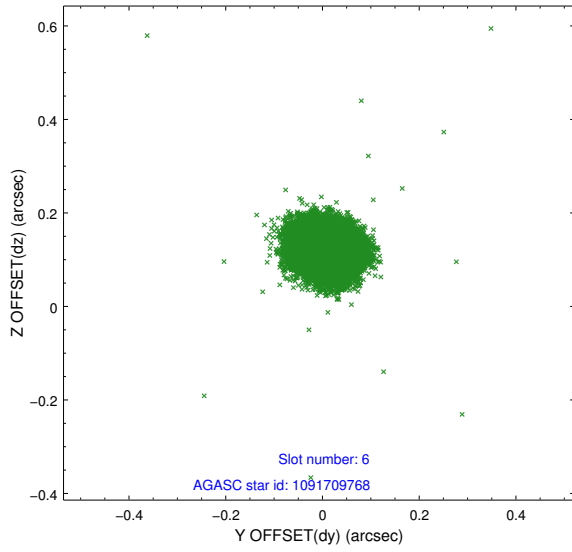
2.4.2 Slot 4



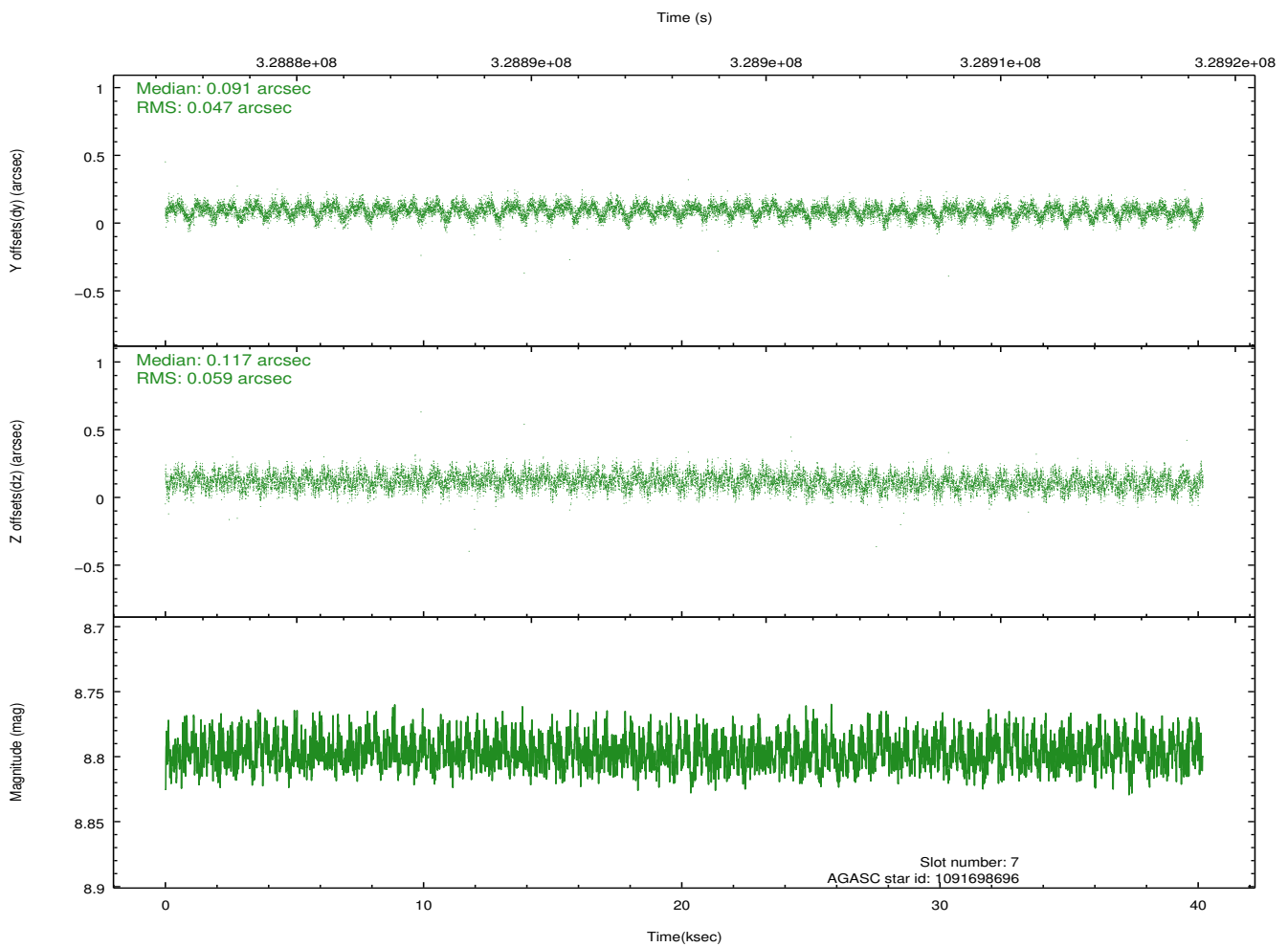
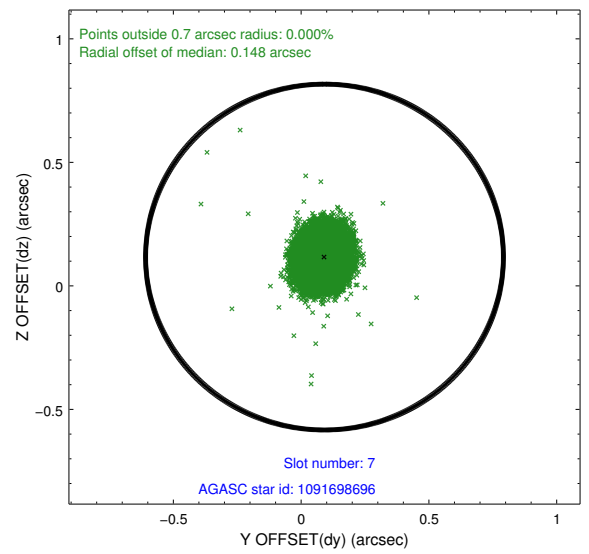
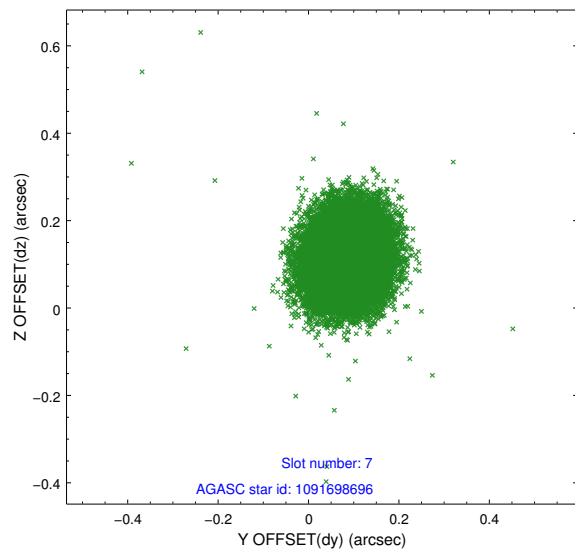
2.4.3 Slot 5



2.4.4 Slot 6

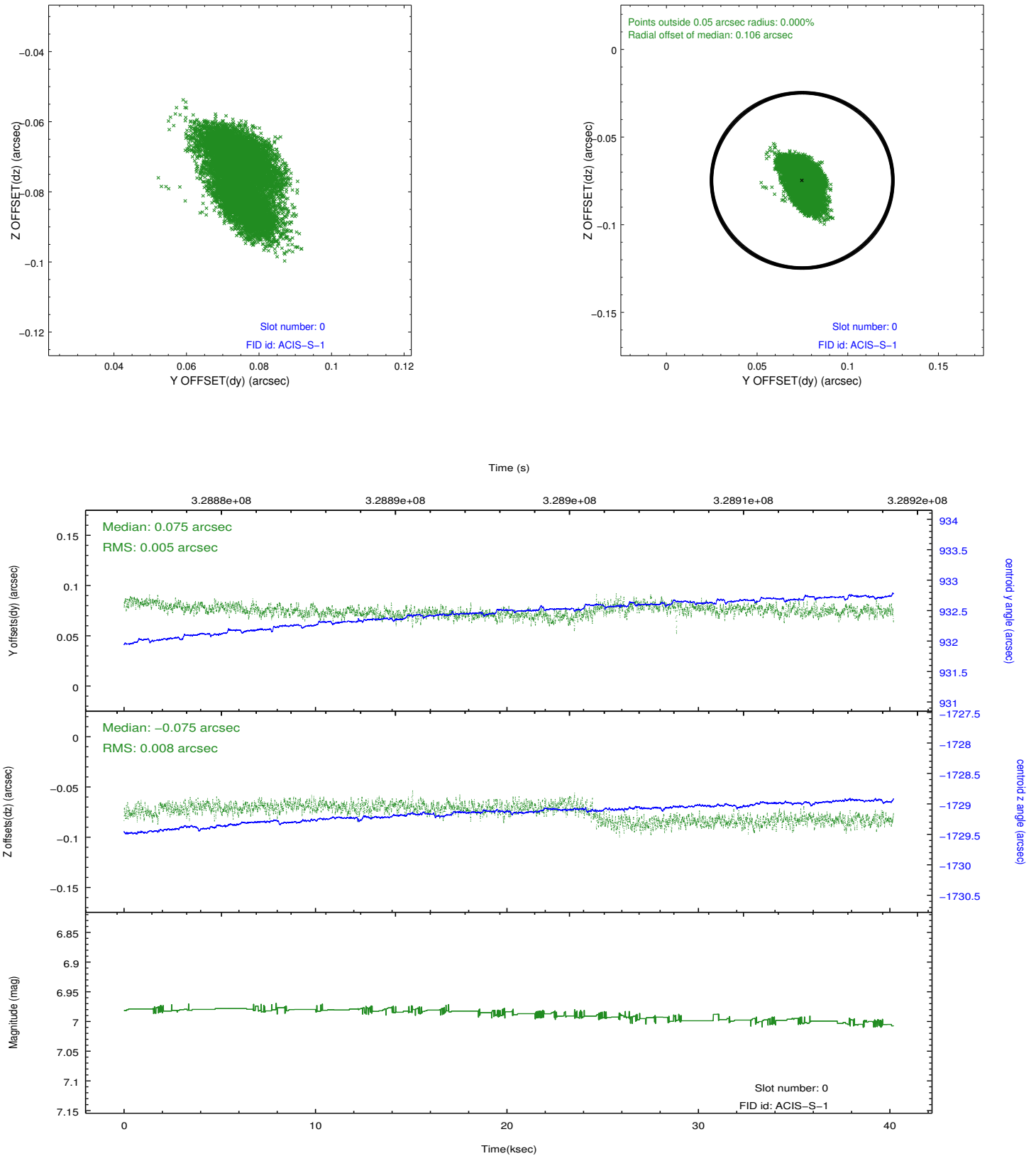


2.4.5 Slot 7

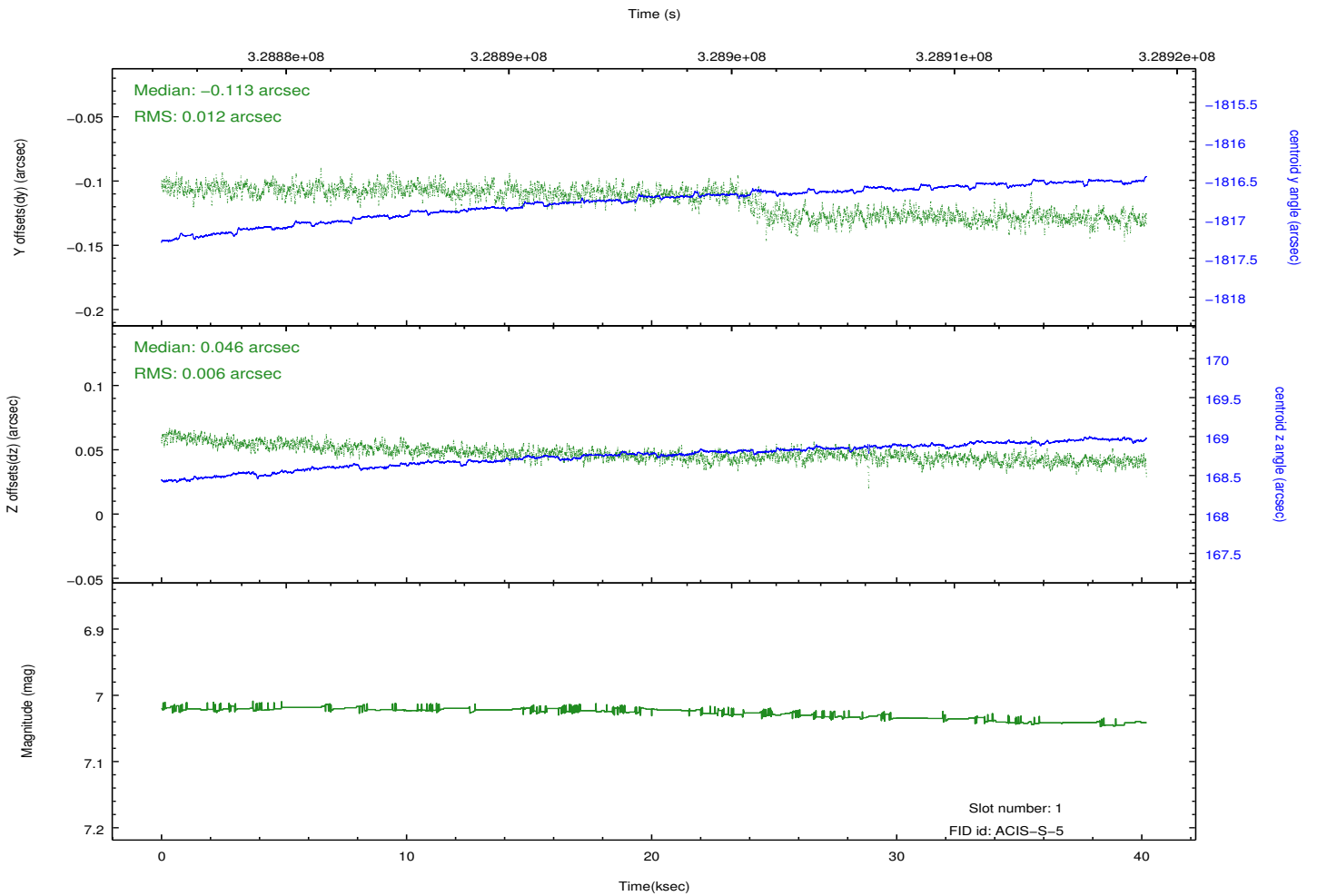
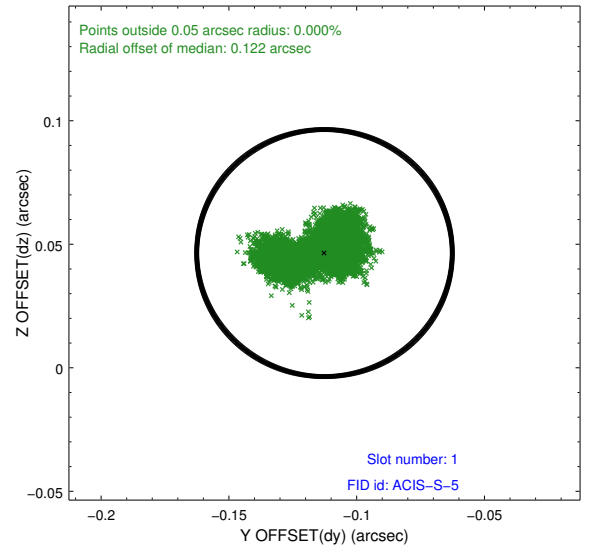
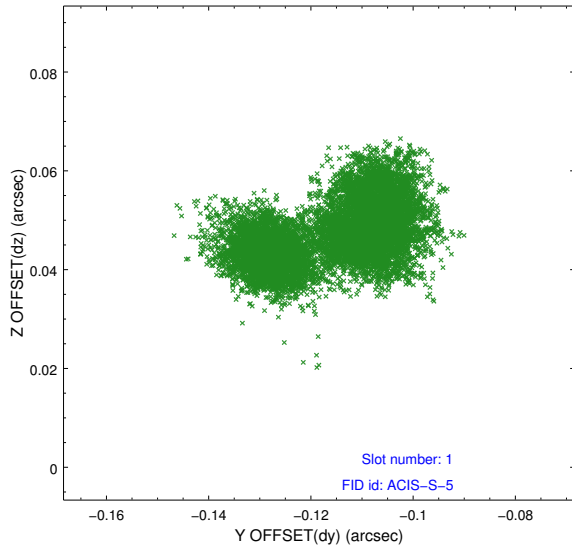


2.5 FID Slots

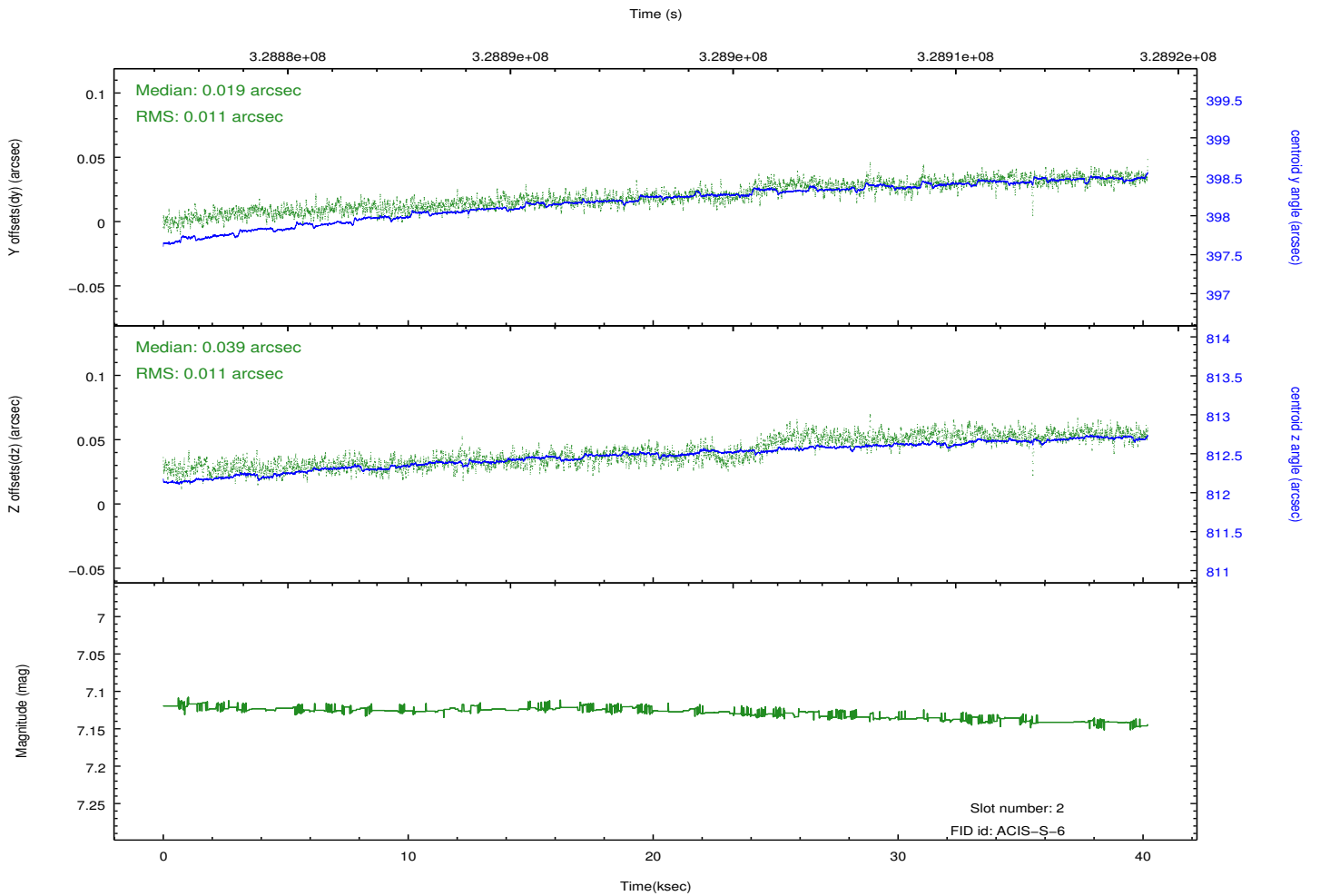
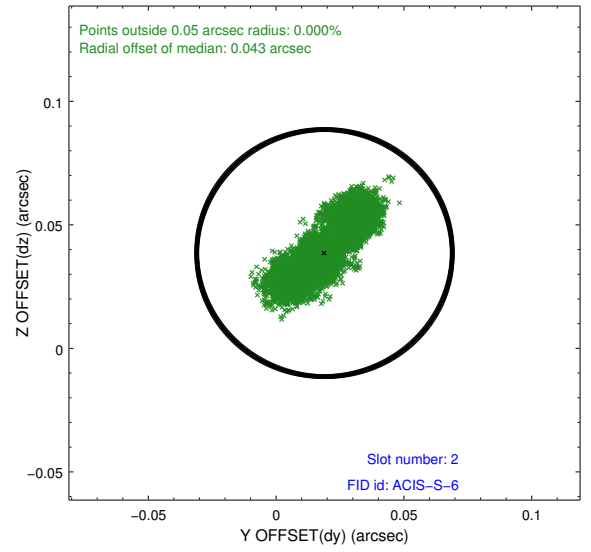
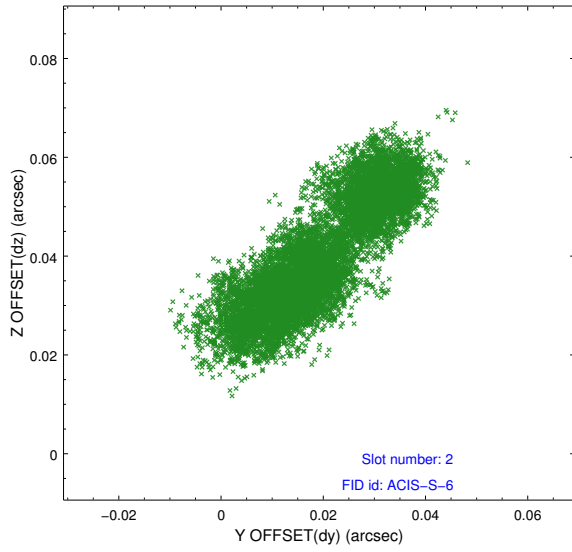
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.18775

A.2 Comments