

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12038 - L2 Version 2
Chandra X-Ray Center

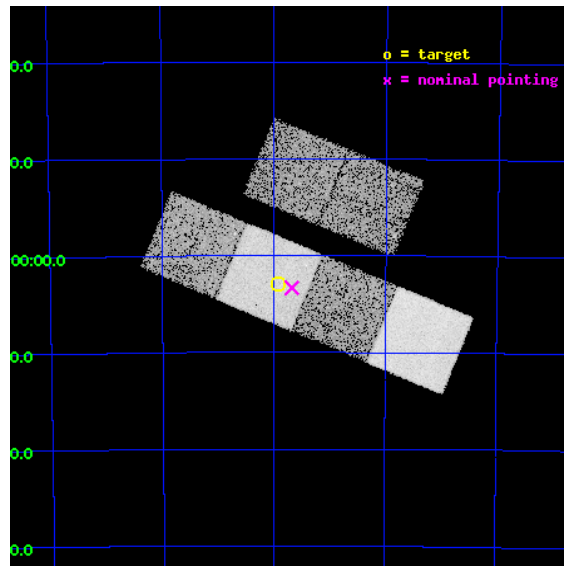
L2 Processing Date : Jun 17 2012

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1 Front

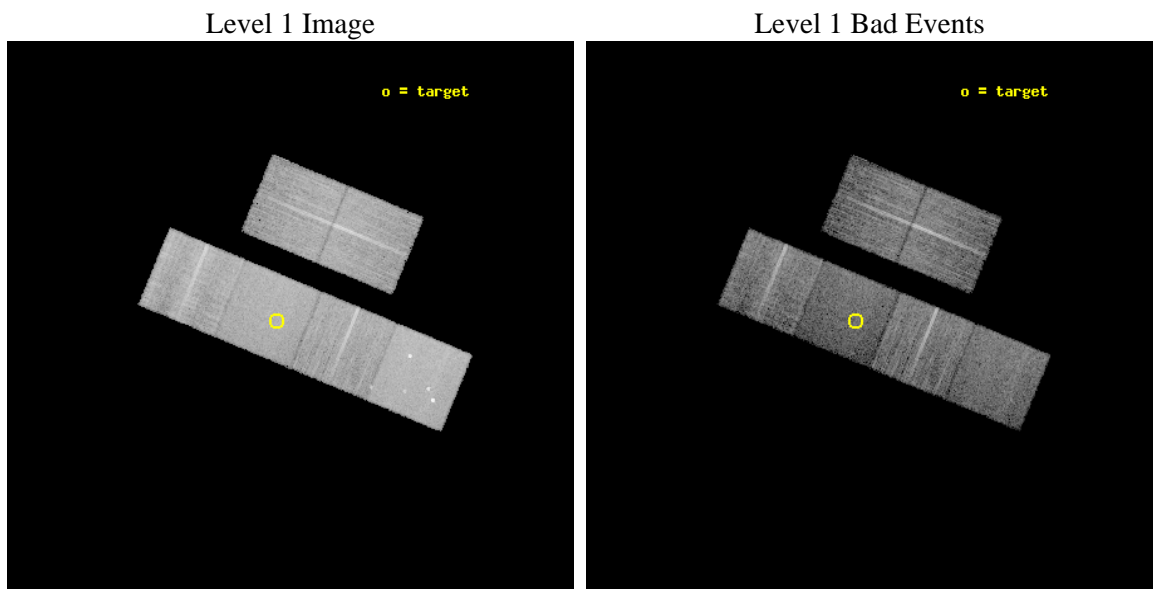
seq_num	300265	Sequence number
obs_id	12038	Observation id
title	Primordial formation of close binaries in globular clusters with low desity cores	Proposal title
observer	Prof. Albert Kong	Principal investigator
object	NGC6362	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	262.97875	Observer's specified target RA [deg]
dec_targ	-67.047861	Observer's specified target Dec [deg]
ra_nom	262.91998816991	Nominal RA [deg]
dec_nom	-67.055565582929	Nominal Dec [deg]
roll_nom	202.49780549065	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9142.3999660015	Sum of GTIs [s]
livetime	9026.6333927396	Livetime [s]
ontime2	8973.1602605581	Sum of GTIs [s]
ontime3	8969.7550506592	Sum of GTIs [s]
ontime5	9142.3999660015	Sum of GTIs [s]
ontime6	8976.2782203555	Sum of GTIs [s]
ontime7	9142.3999660015	Sum of GTIs [s]
ontime8	8989.1602007747	Sum of GTIs [s]
l2events	124993	Number of level 2 events



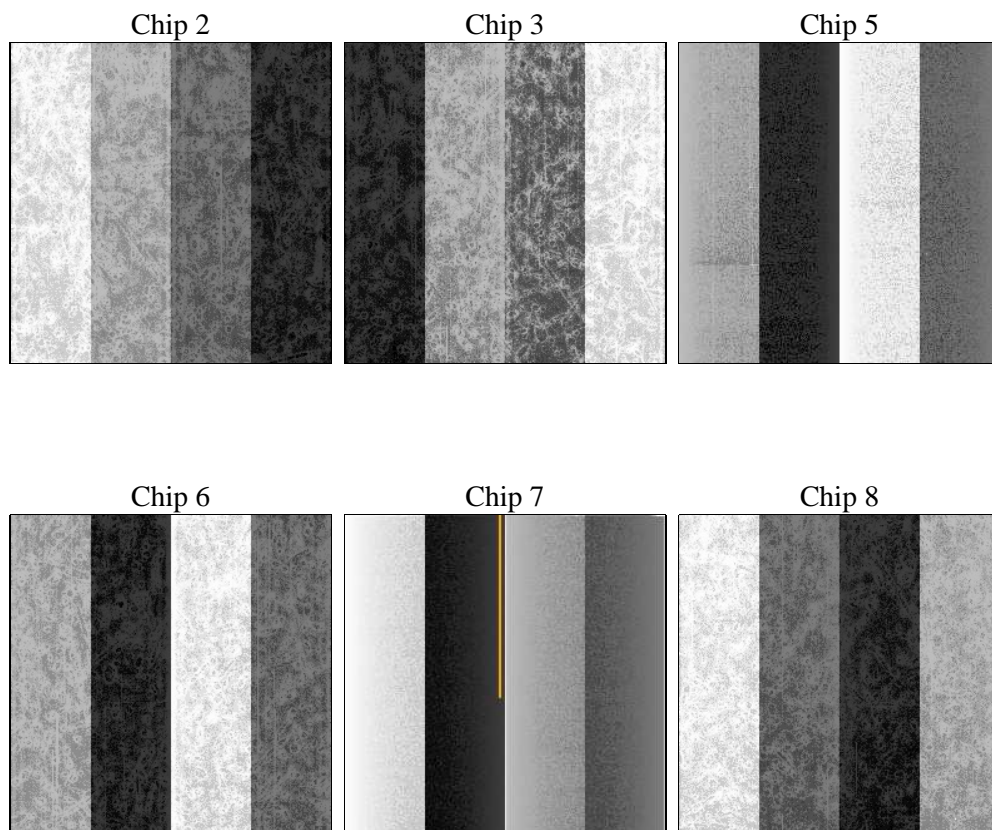
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9142.3999660015	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	8973.1602605581	Sum of GTIs [s]
date	2012-06-17T06:13:28	Date and time of file creation	ontime3	8969.7550506592	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	9142.3999660015	Sum of GTIs [s]
			ontime6	8976.2782203555	Sum of GTIs [s]
			ontime7	9142.3999660015	Sum of GTIs [s]
			ontime8	8989.1602007747	Sum of GTIs [s]
			l1events	621588	Number of level 1 events

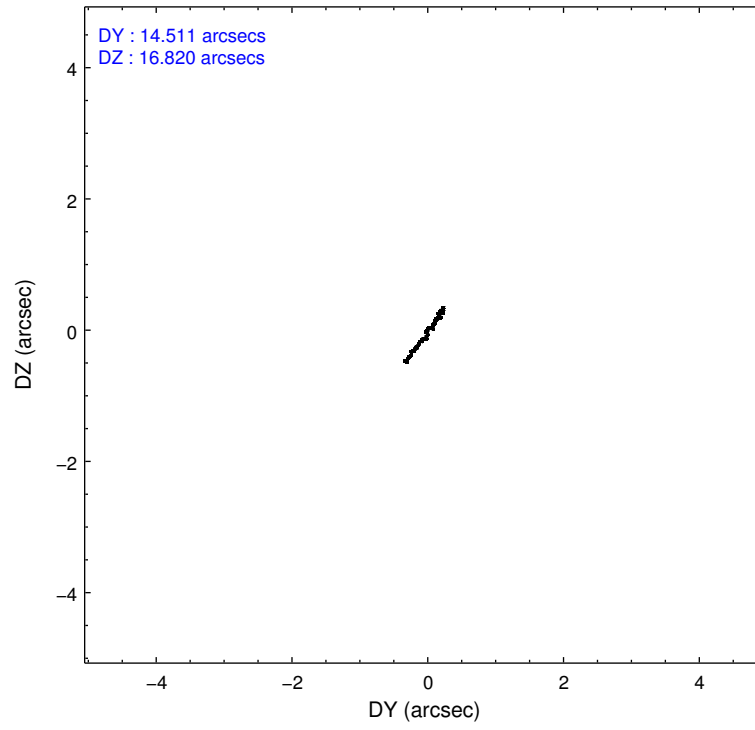
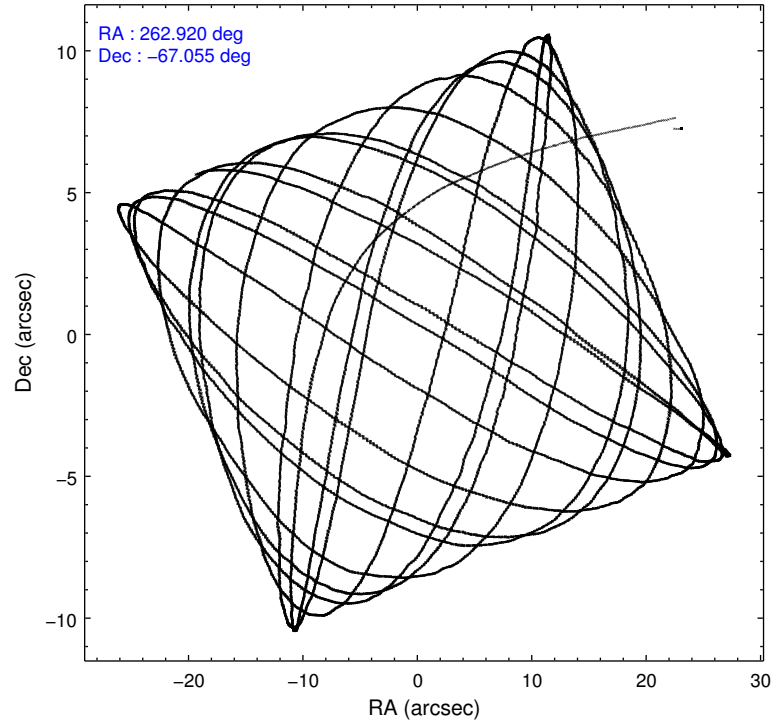
2.1.4 Events

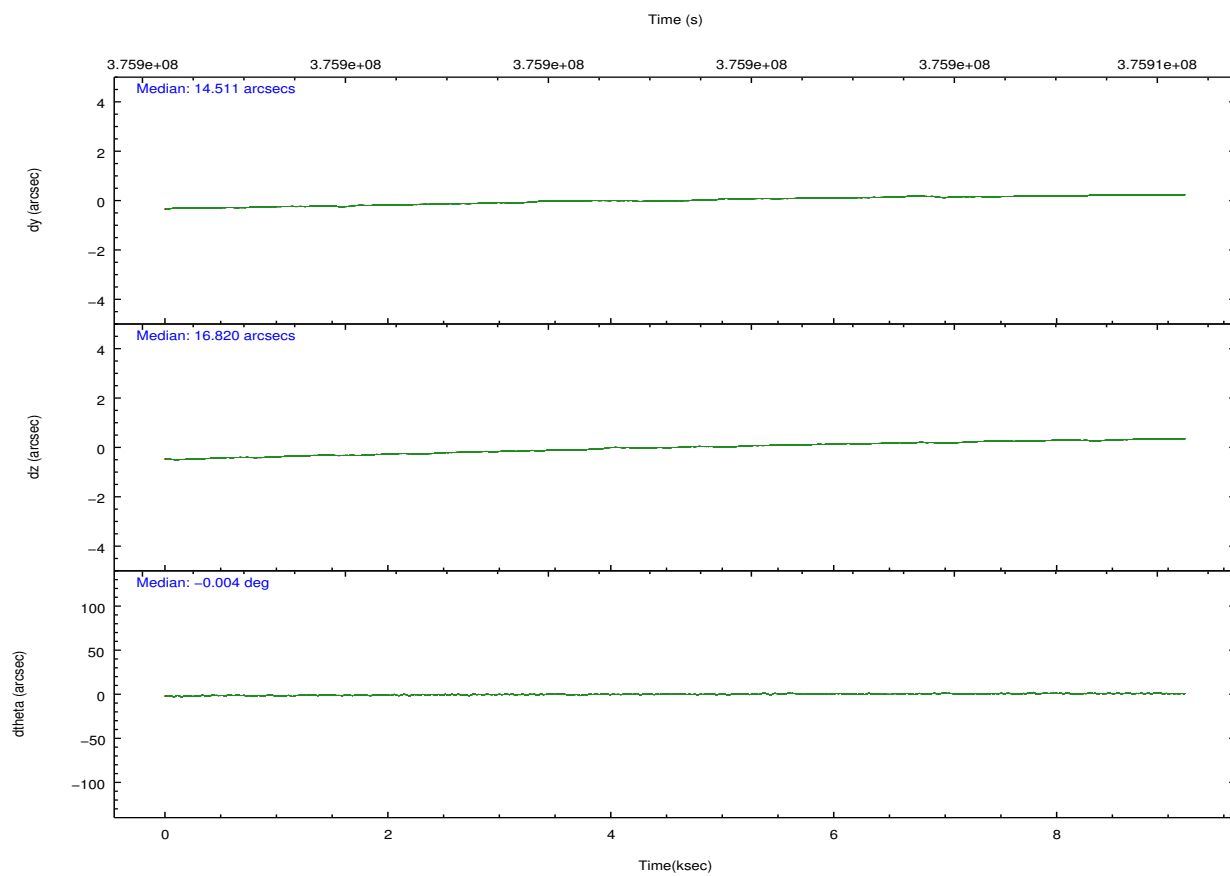
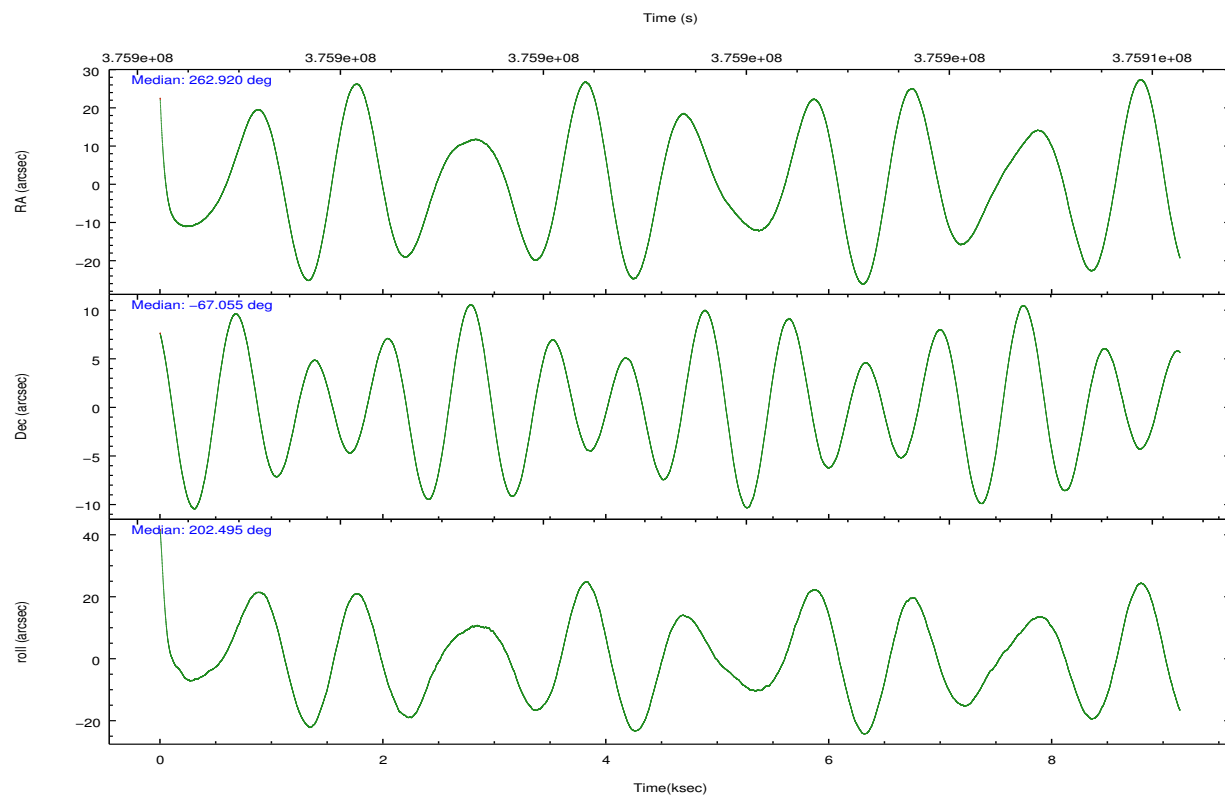
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	84831	76071	139676	79741	139494	101775	grade 0 events	3131	2812	8026	3087	4457	8203
rejected events	76650	68404	80014	71268	97116	75813		3%	3%	5%	3%	3%	8%
rejected %	90%	89%	57%	89%	69%	74%	grade 1 events	60	53	658	43	563	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	2063	1626	18139	1949	9289	5939
								2%	2%	12%	2%	6%	5%
							grade 3 events	840	840	2557	825	4031	2899
								0%	1%	1%	1%	2%	2%
							grade 4 events	892	812	2451	852	3872	2569
								1%	1%	1%	1%	2%	2%
							grade 5 events	2955	3258	9527	3287	10977	4903
								3%	4%	6%	4%	7%	4%
							grade 6 events	1574	1663	30212	1857	22693	6856
								1%	2%	21%	2%	16%	6%
							grade 7 events	73316	65007	68106	67841	83612	70318
								86%	85%	48%	85%	59%	69%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	262.961865	262.9199881699084	CCD I2 on	O1	Y
[deg] Pointing Dec	-67.033629	-67.0555655829294	CCD I3 on	O2	Y
[deg] Pointing Roll	202.379724	202.4978054906456	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	375896823.184000	375895344.48301	CCD S5 on	N	N
Observation start date	2009-11-29T15:45:57	2009-11-29T15:22:24	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	375905823.184000	375906884.95859	On-chip summing requested	N	N
Observation end date	2009-11-29T18:15:57	2009-11-29T18:34:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



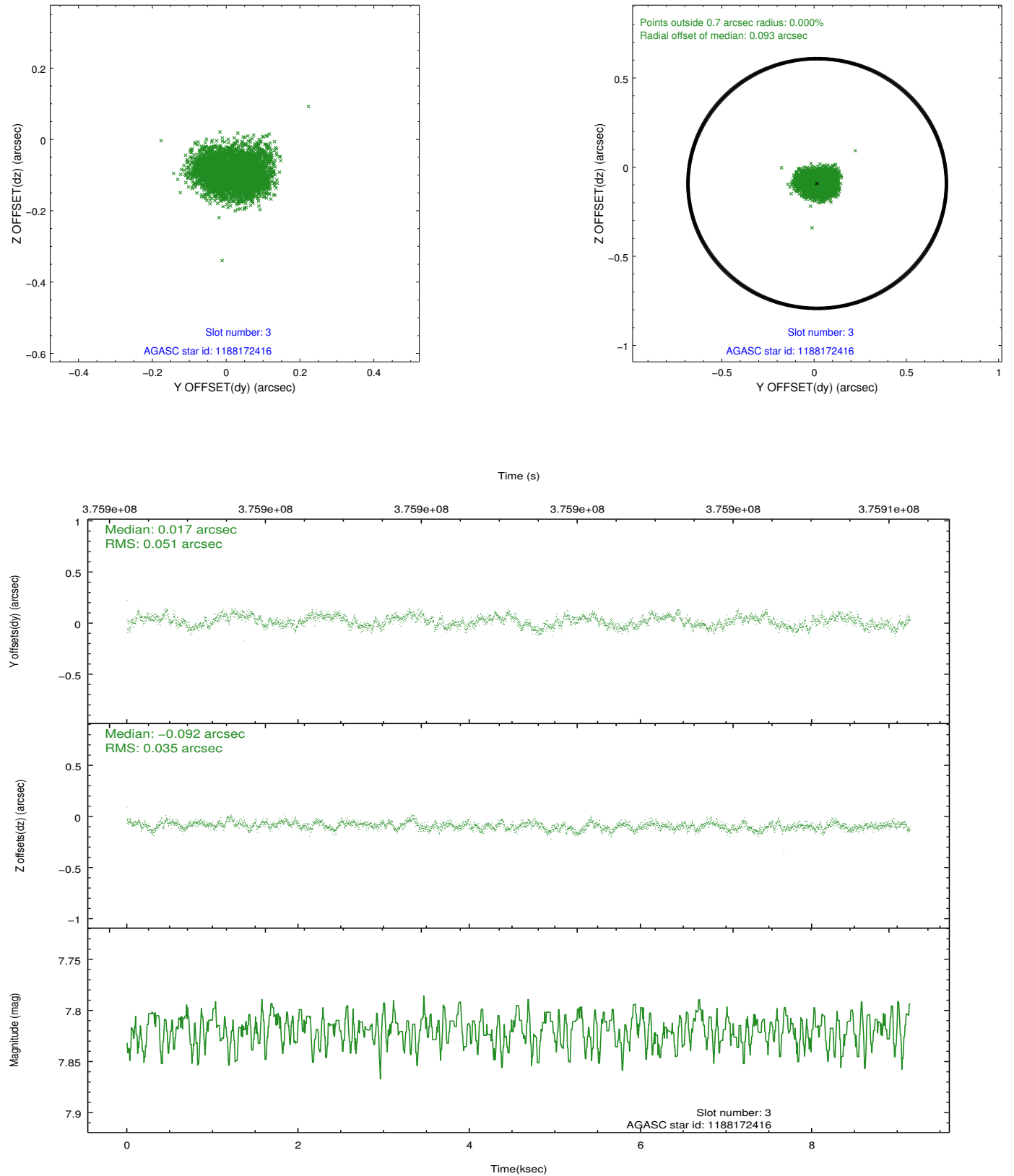


Slot Statistics

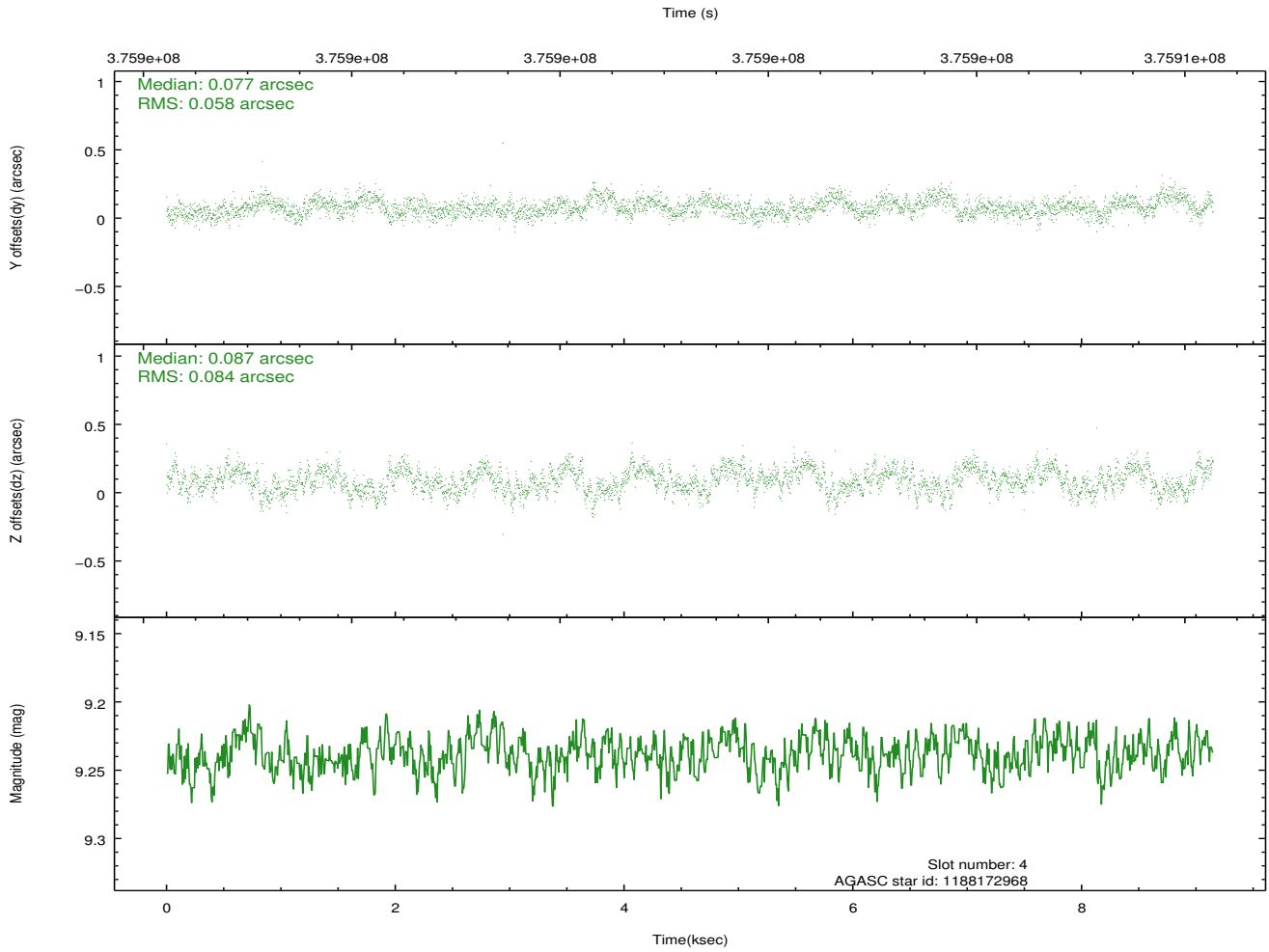
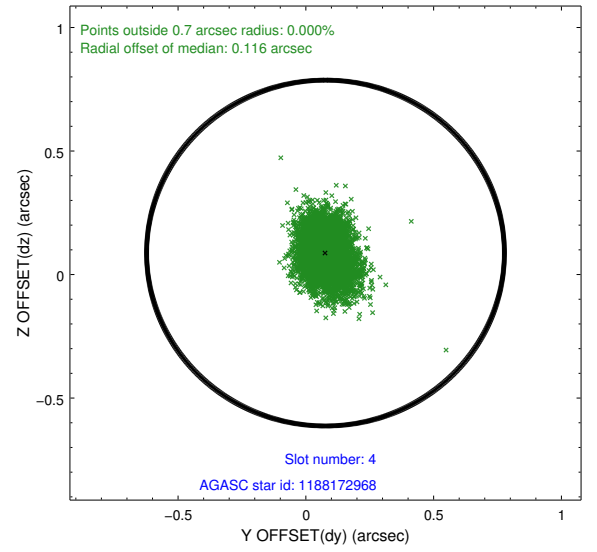
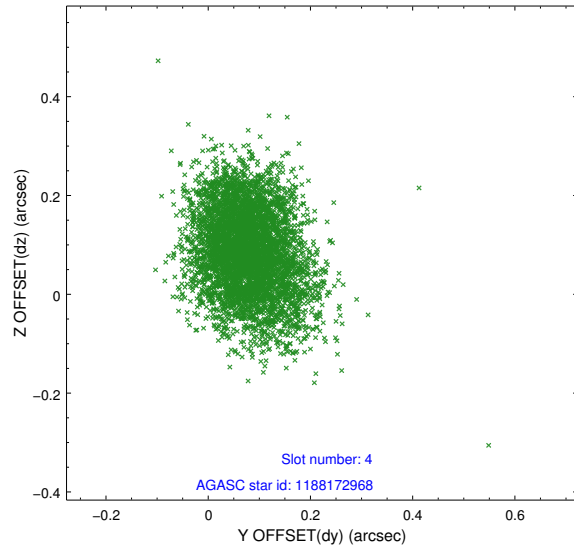
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.94	2232	0.080	-0.057	0.017	0.027	0.000000	0.000000	928.62	-1733.93
1	FID	ACIS-S-5	6.98	2232	-0.140	0.049	0.013	0.022	0.000000	0.000000	-1820.23	163.17
2	FID	ACIS-S-6	7.08	2232	0.040	0.020	0.020	0.031	0.000000	0.000000	393.54	807.74
3	GUIDE	1188172416	7.82	4462	0.017	-0.092	0.066	0.103	262.346035	-67.280471	1132.07	499.86
4	GUIDE	1188172968	9.24	4460	0.077	0.087	0.108	0.175	262.843582	-66.395007	-716.69	-2190.10
5	GUIDE	1188174744	7.60	4463	-0.037	0.094	0.049	0.082	263.414725	-66.580483	-1219.18	-1259.74
6	GUIDE	1188178032	8.47	4460	-0.088	-0.142	0.064	0.104	263.504678	-67.068488	-654.69	408.99
7	GUIDE	1188196912	7.48	4462	0.028	0.052	0.072	0.115	262.603762	-66.869967	244.79	-735.83

2.4 Star Slots

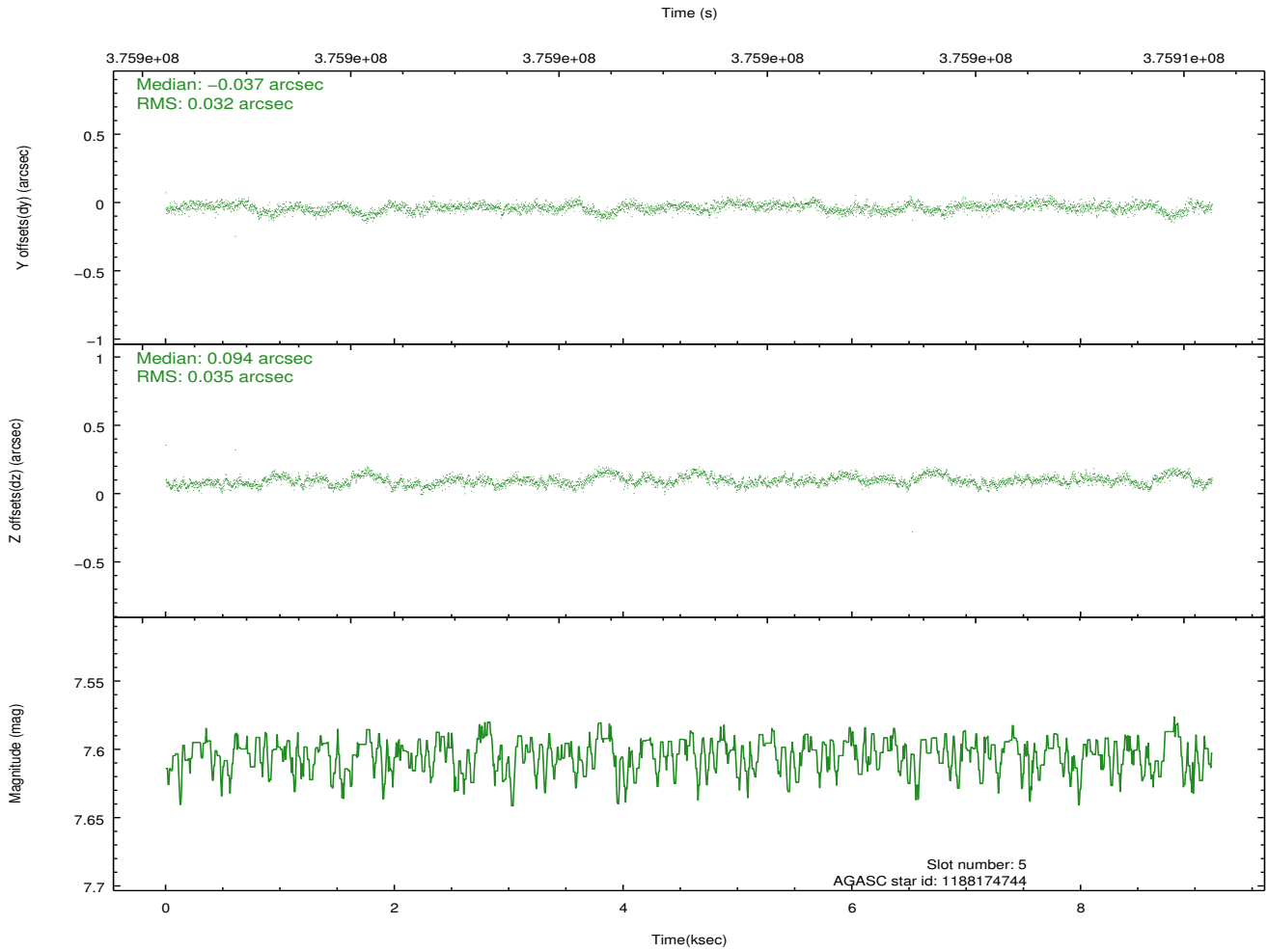
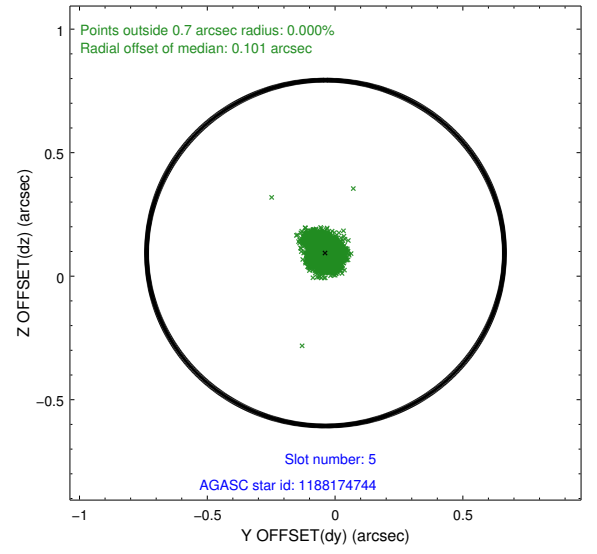
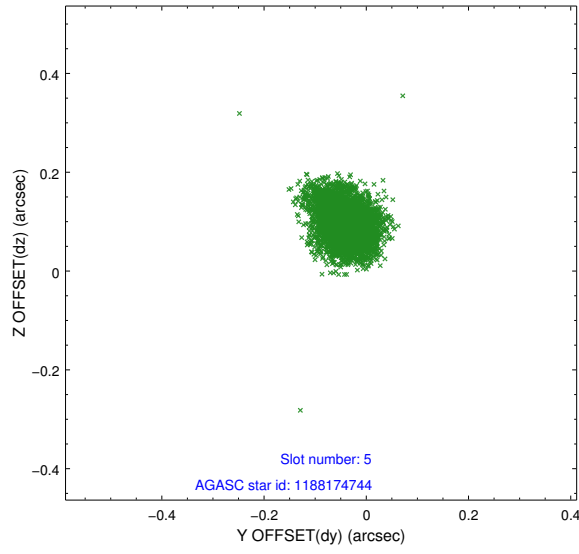
2.4.1 Slot 3



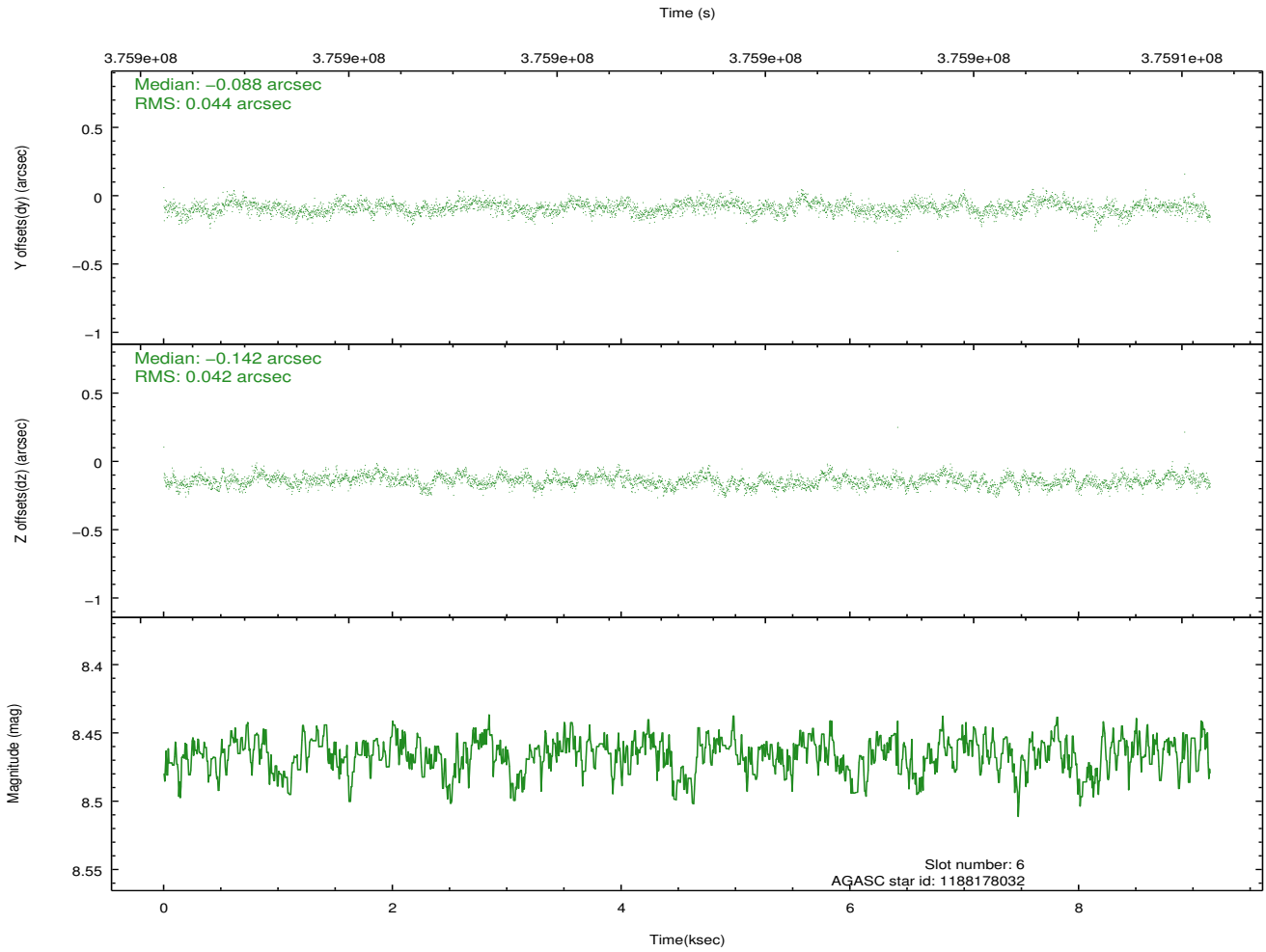
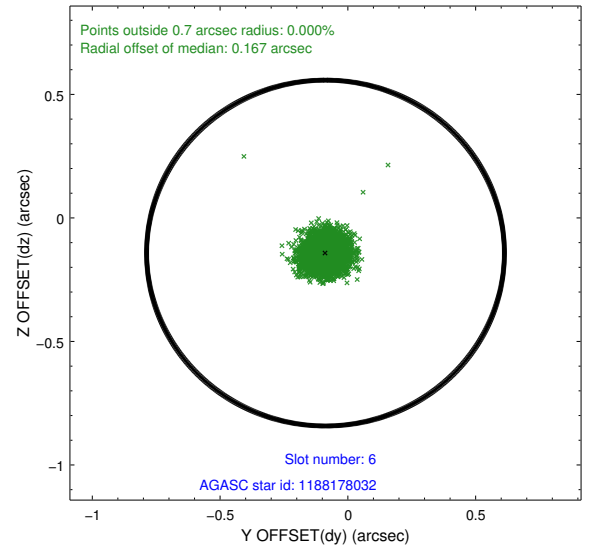
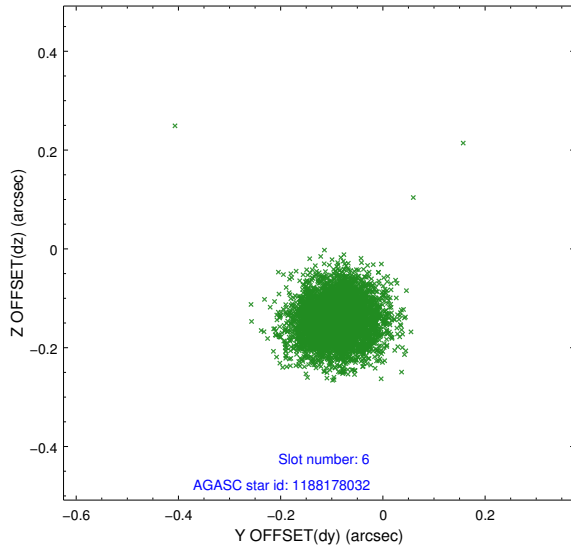
2.4.2 Slot 4



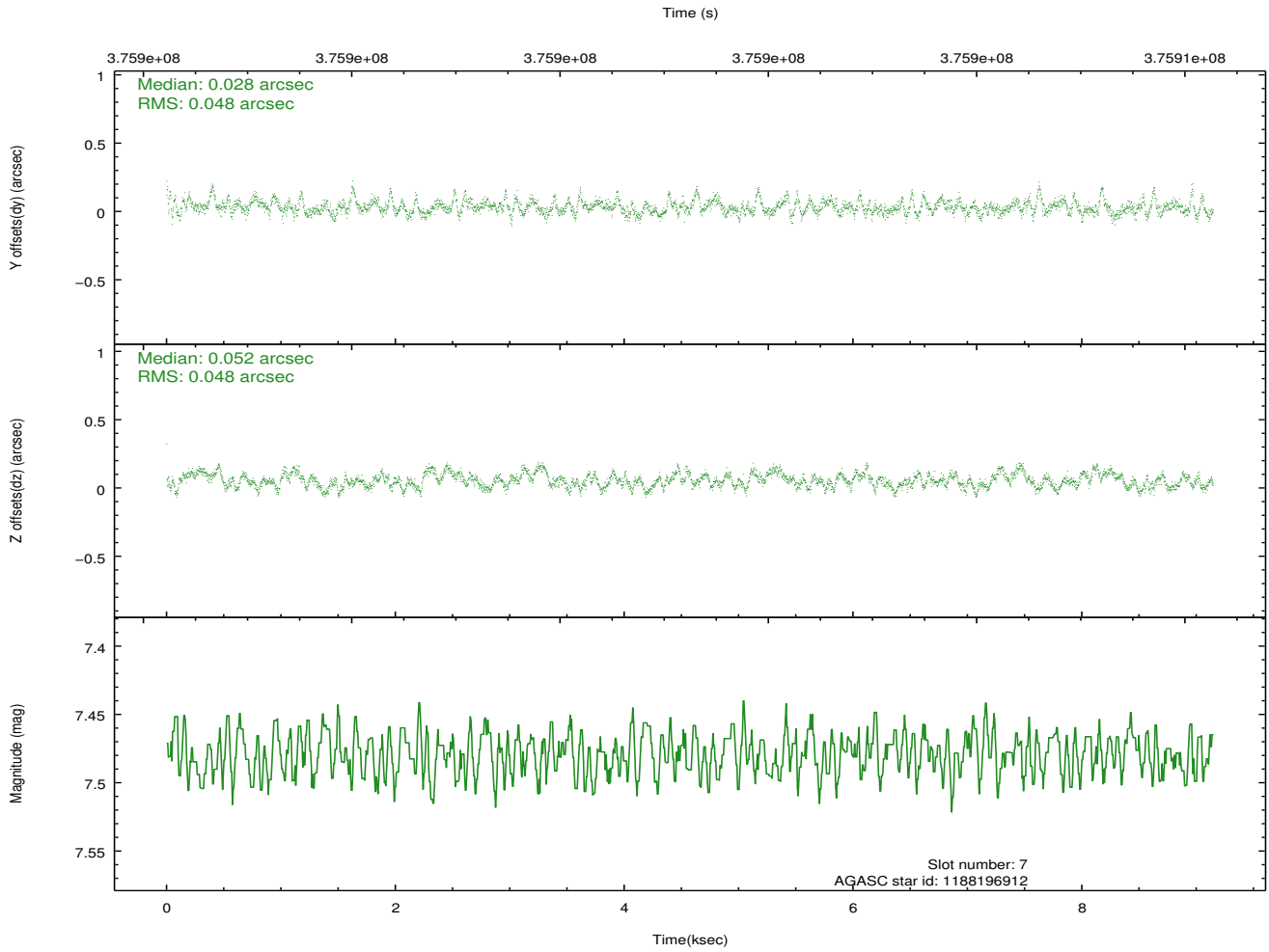
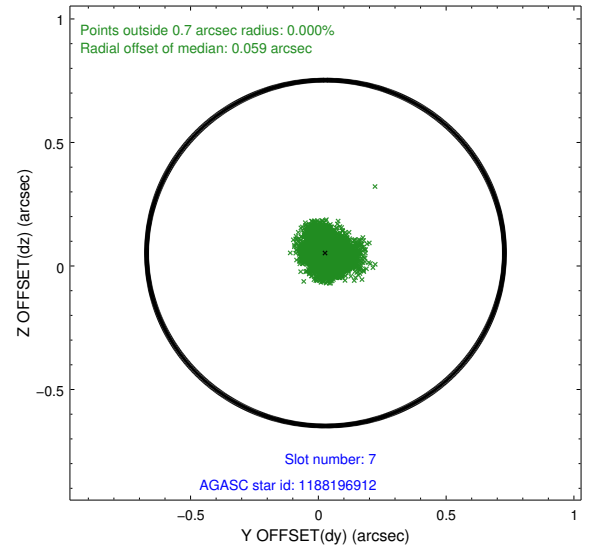
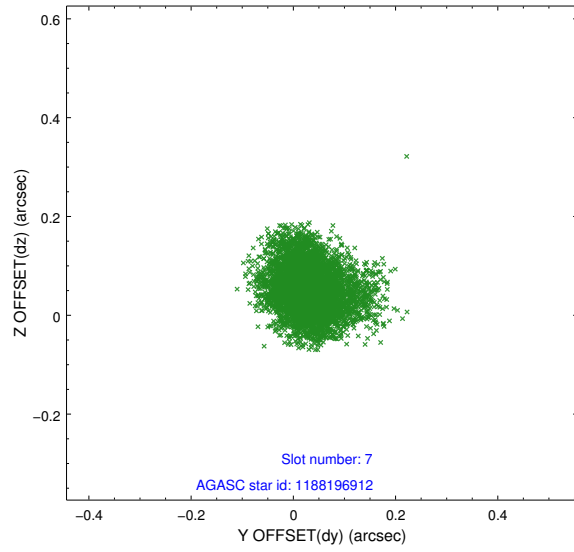
2.4.3 Slot 5



2.4.4 Slot 6

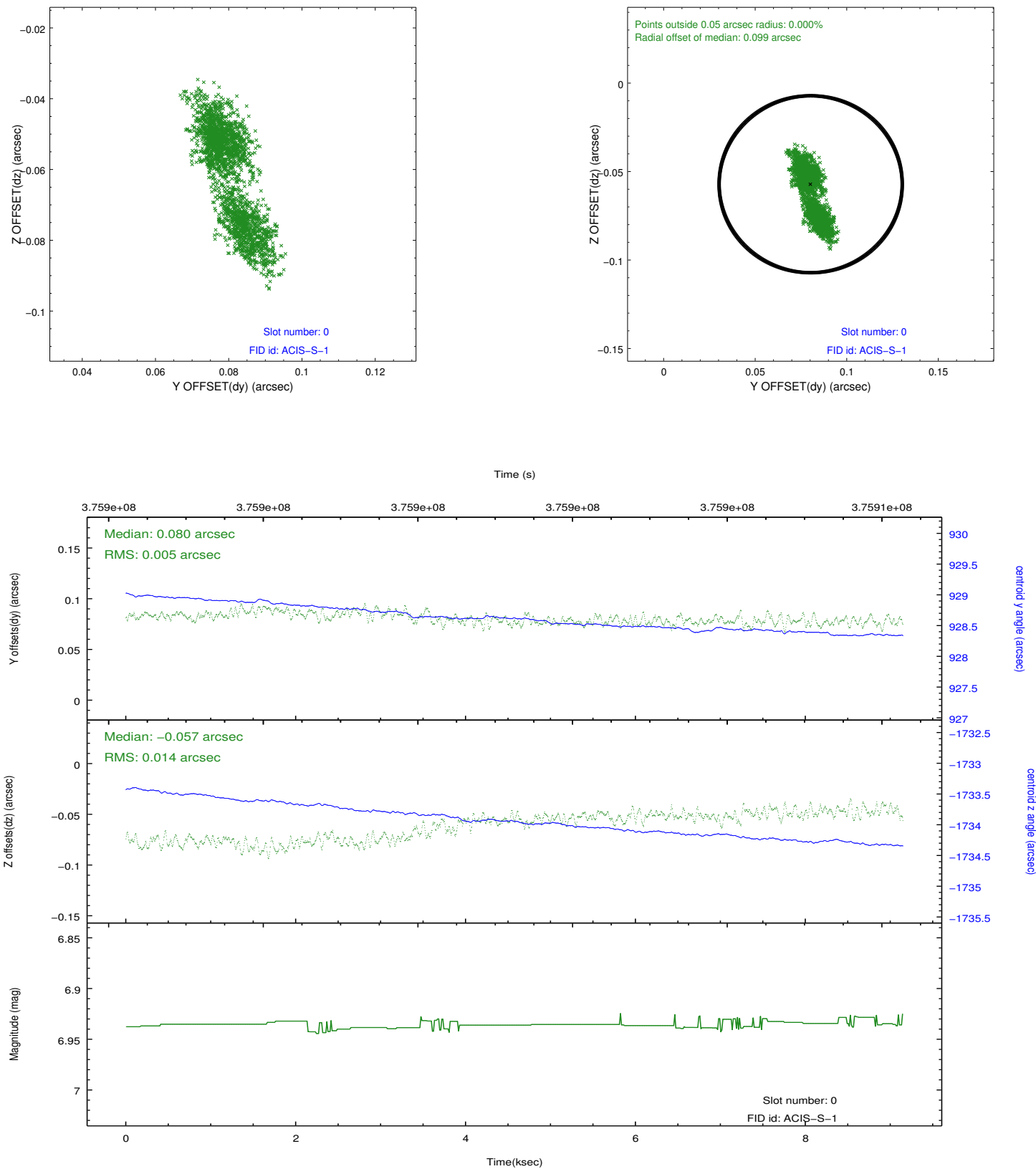


2.4.5 Slot 7

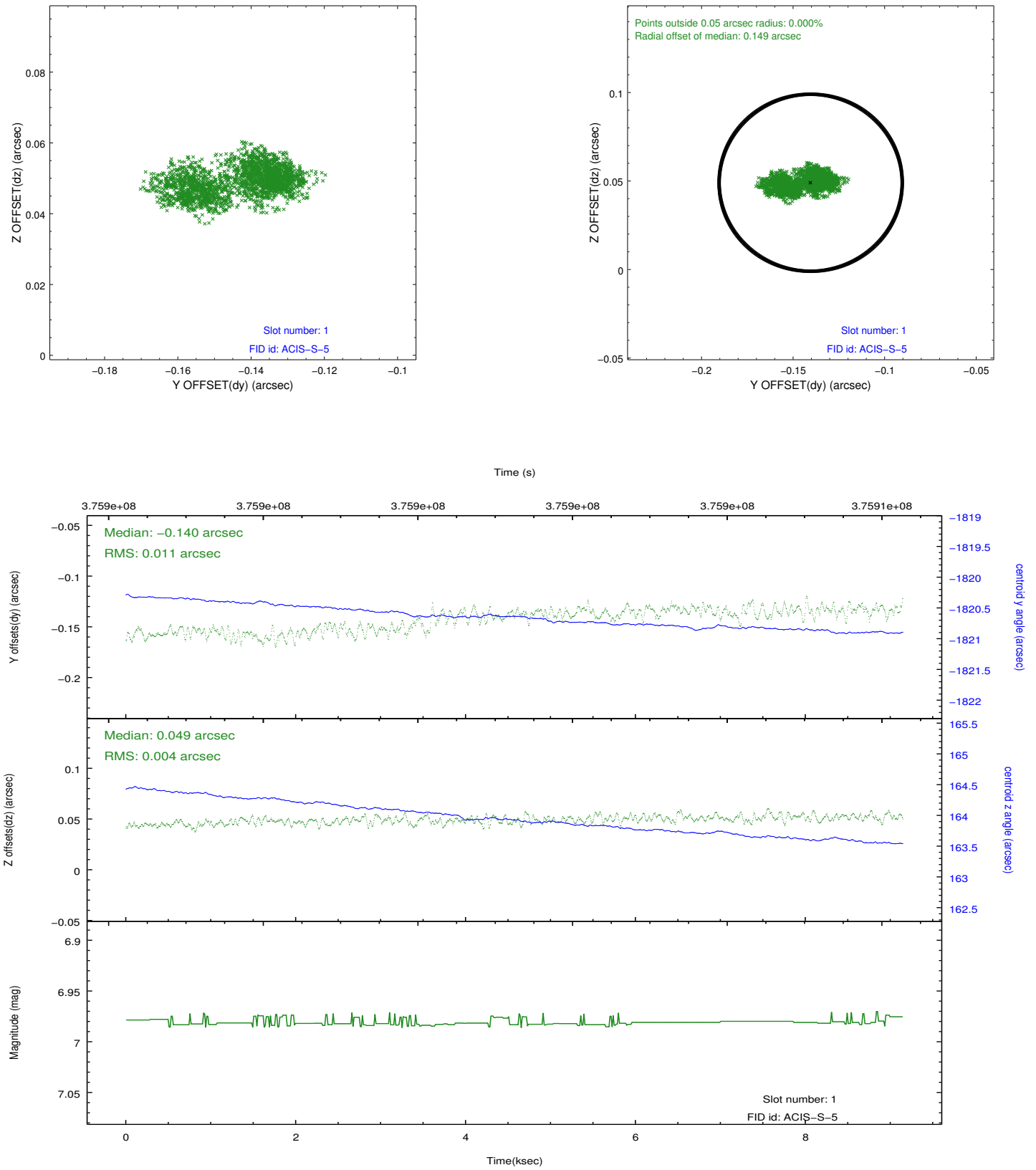


2.5 FID Slots

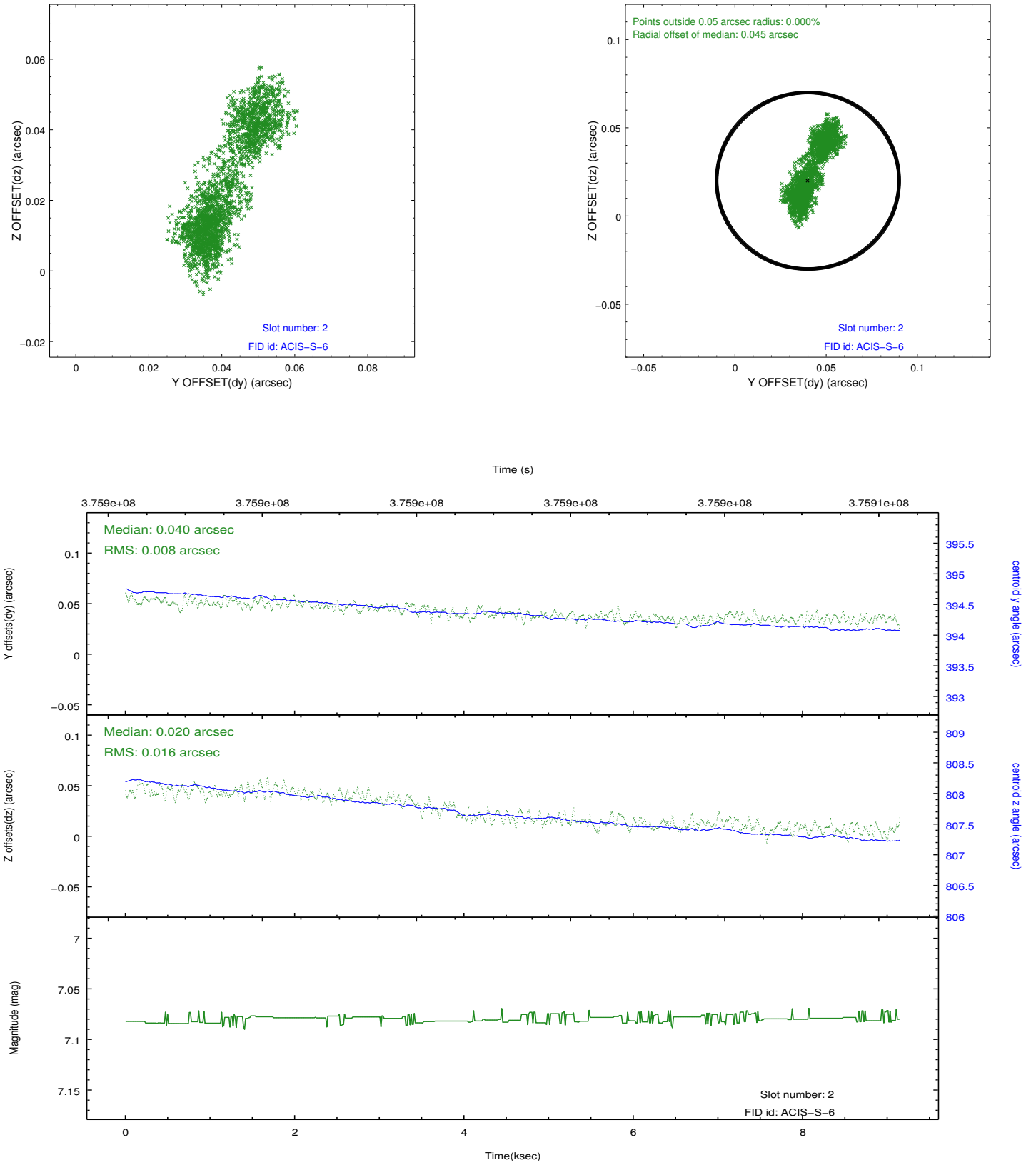
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.1423999660015

A.2 Comments

Joint proposal with HST.