

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9763 - L2 Version 2
Chandra X-Ray Center

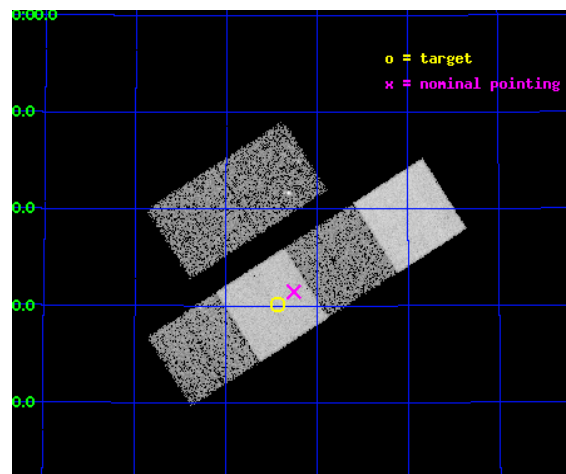
L2 Processing Date : May 3 2012

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1 Front

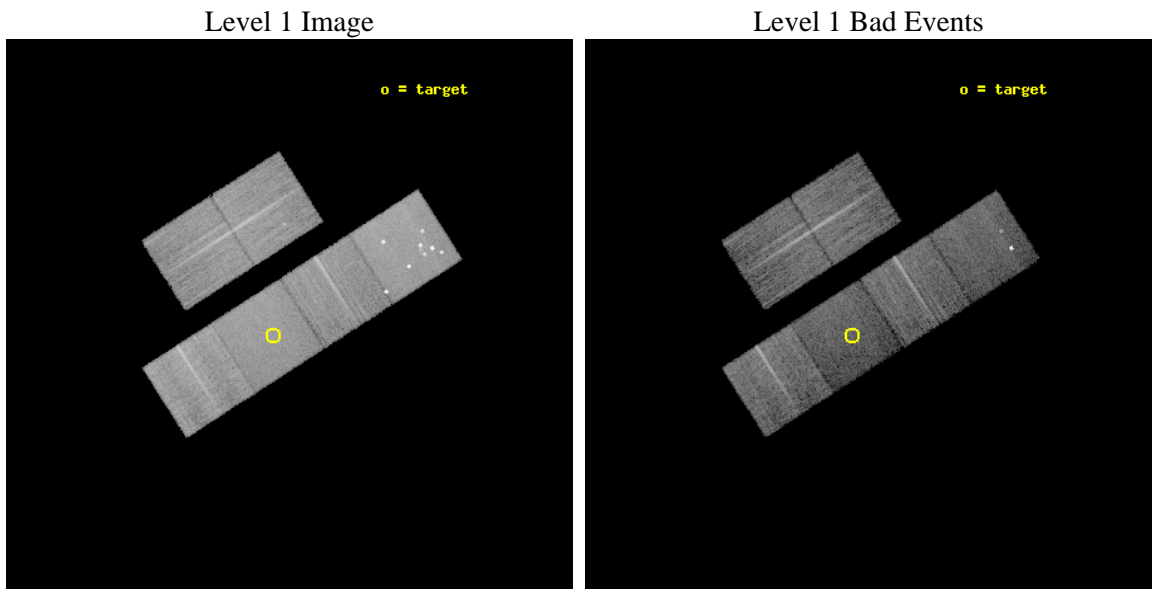
seq_num	100071	Sequence number
obs_id	9763	Observation id
title	Utilizing the exceptional outburst of Comet 17P/Holmes for probing the solar wind at 2.5 AU	Proposal title
observer	Dr. Konrad Dennerl	Principal investigator
object	17P/Holmes	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	56.60899	Observer's specified target RA [deg]
dec_targ	50.50352	Observer's specified target Dec [deg]
ra_nom	56.563546713873	Nominal RA [deg]
dec_nom	50.524394475563	Nominal Dec [deg]
roll_nom	147.35329759301	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10179.199962139	Sum of GTIs [s]
livetime	10050.30480304	Livetime [s]
ontime2	10179.199962139	Sum of GTIs [s]
ontime3	10179.199962139	Sum of GTIs [s]
ontime5	10179.199962139	Sum of GTIs [s]
ontime6	10179.199962139	Sum of GTIs [s]
ontime7	10179.199962139	Sum of GTIs [s]
ontime8	10179.199962139	Sum of GTIs [s]
l2events	120628	Number of level 2 events



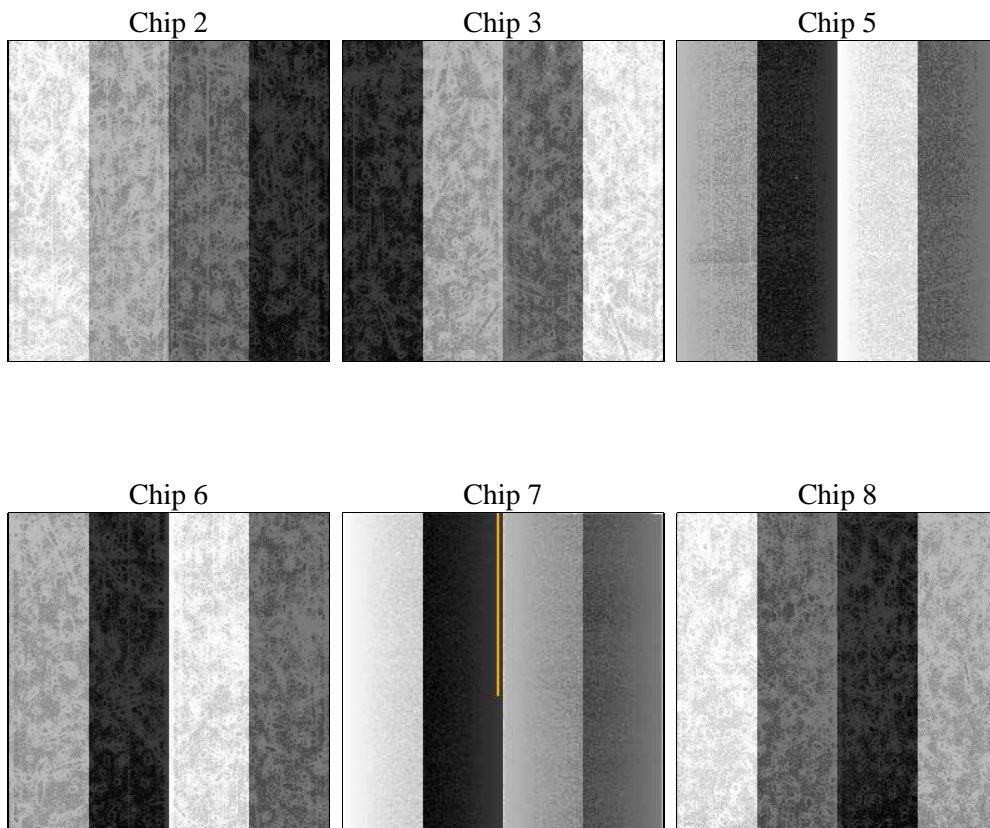
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10179.199962139	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	10179.199962139	Sum of GTIs [s]
date	2012-05-04T01:02:52	Date and time of file creation	ontime3	10179.199962139	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10179.199962139	Sum of GTIs [s]
			ontime6	10179.199962139	Sum of GTIs [s]
			ontime7	10179.199962139	Sum of GTIs [s]
			ontime8	10179.199962139	Sum of GTIs [s]
			l1events	603162	Number of level 1 events

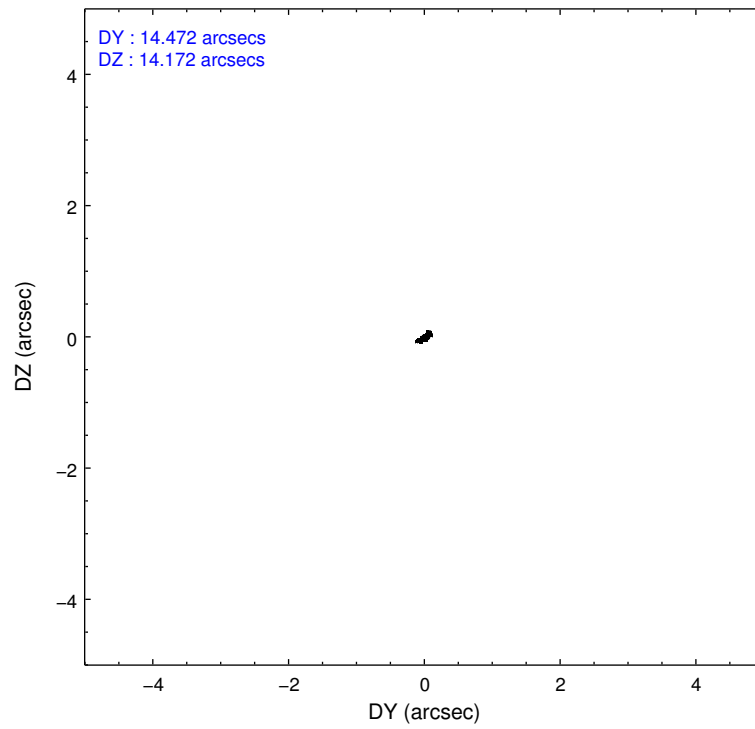
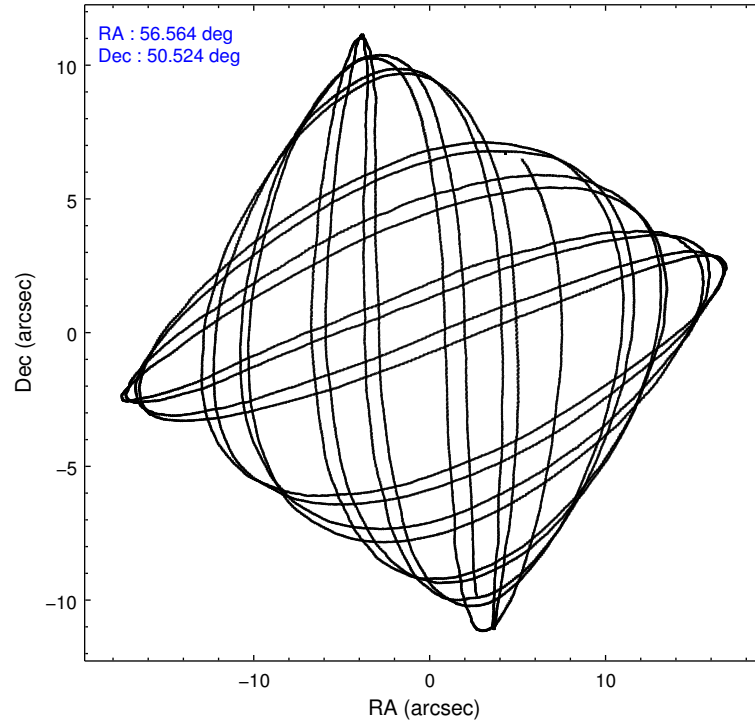
2.1.4 Events

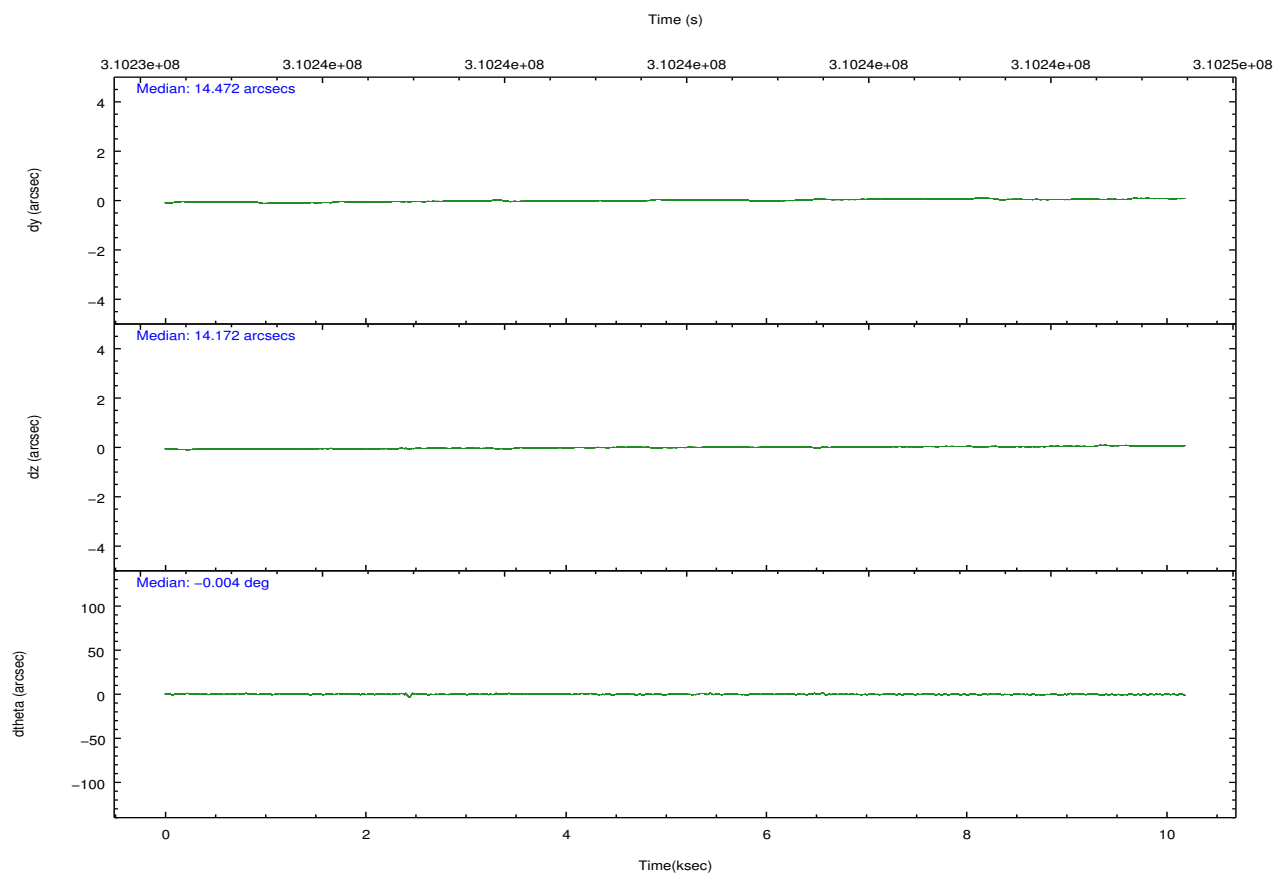
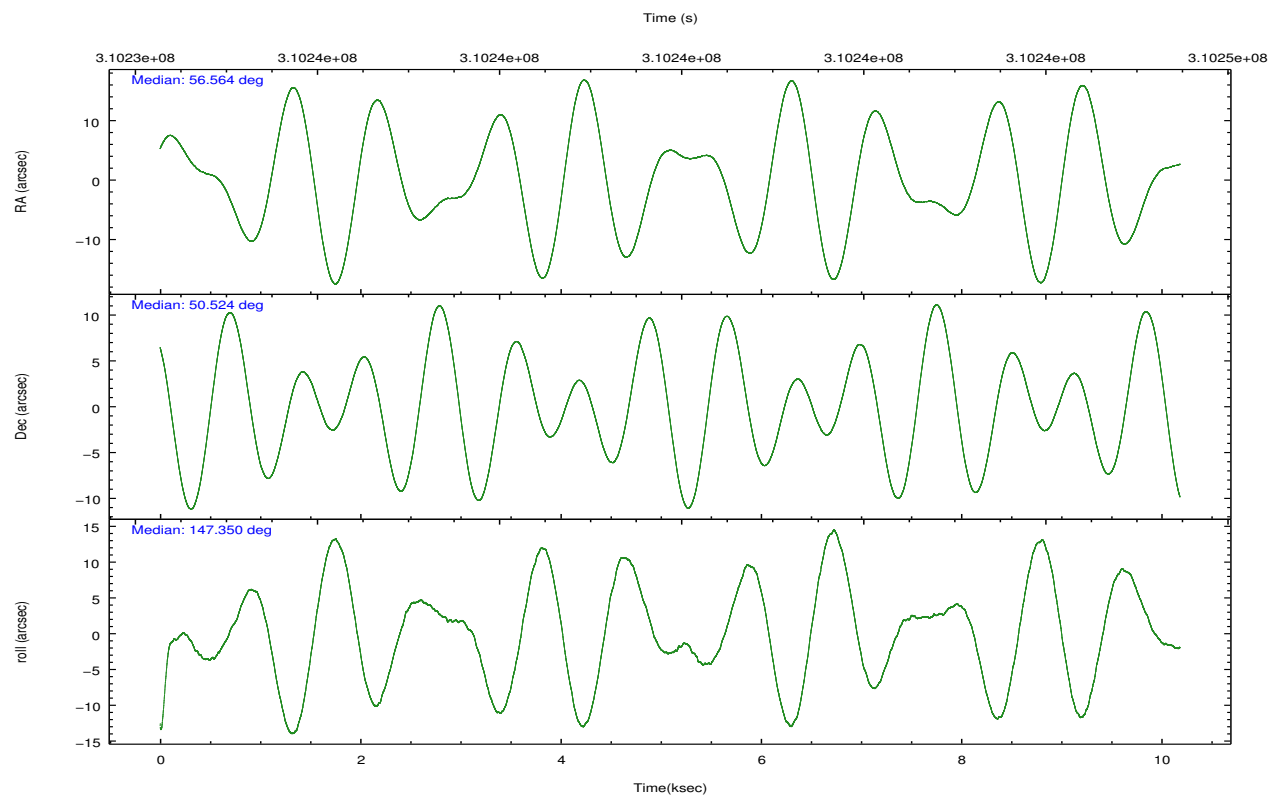
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	94337	87271	133764	85275	94232	108283	grade 0 events	3205	2717	16176	2809	3674	7231
rejected events	86078	79773	62519	77030	52897	83837		3%	3%	12%	3%	3%	6%
rejected %	91%	91%	46%	90%	56%	77%	grade 1 events	39	39	216	44	109	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	1982	1597	18304	1865	8534	5767
								2%	1%	13%	2%	9%	5%
							grade 3 events	828	873	2361	920	3751	2638
								0%	1%	1%	1%	3%	2%
							grade 4 events	869	843	2046	919	3635	2427
								0%	0%	1%	1%	3%	2%
							grade 5 events	2749	3195	8457	3302	9808	4864
								2%	3%	6%	3%	10%	4%
							grade 6 events	1538	1599	33658	1895	22574	6873
								1%	1%	25%	2%	23%	6%
							grade 7 events	83127	76408	52546	73521	42147	78398
								88%	87%	39%	86%	44%	72%

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	56.606523	56.56354671387299	CCD I2 on	Y	Y
[deg] Pointing Dec	50.523510	50.5243944755625	CCD I3 on	Y	Y
[deg] Pointing Roll	147.163495	147.353297593011	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	310234964.184000	310234588.18435	CCD S5 on	N	N
Observation start date	2007-10-31T16:21:39	2007-10-31T16:16:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	310244964.184000	310245186.68487	On-chip summing requested	N	N
Observation end date	2007-10-31T19:08:19	2007-10-31T19:13:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



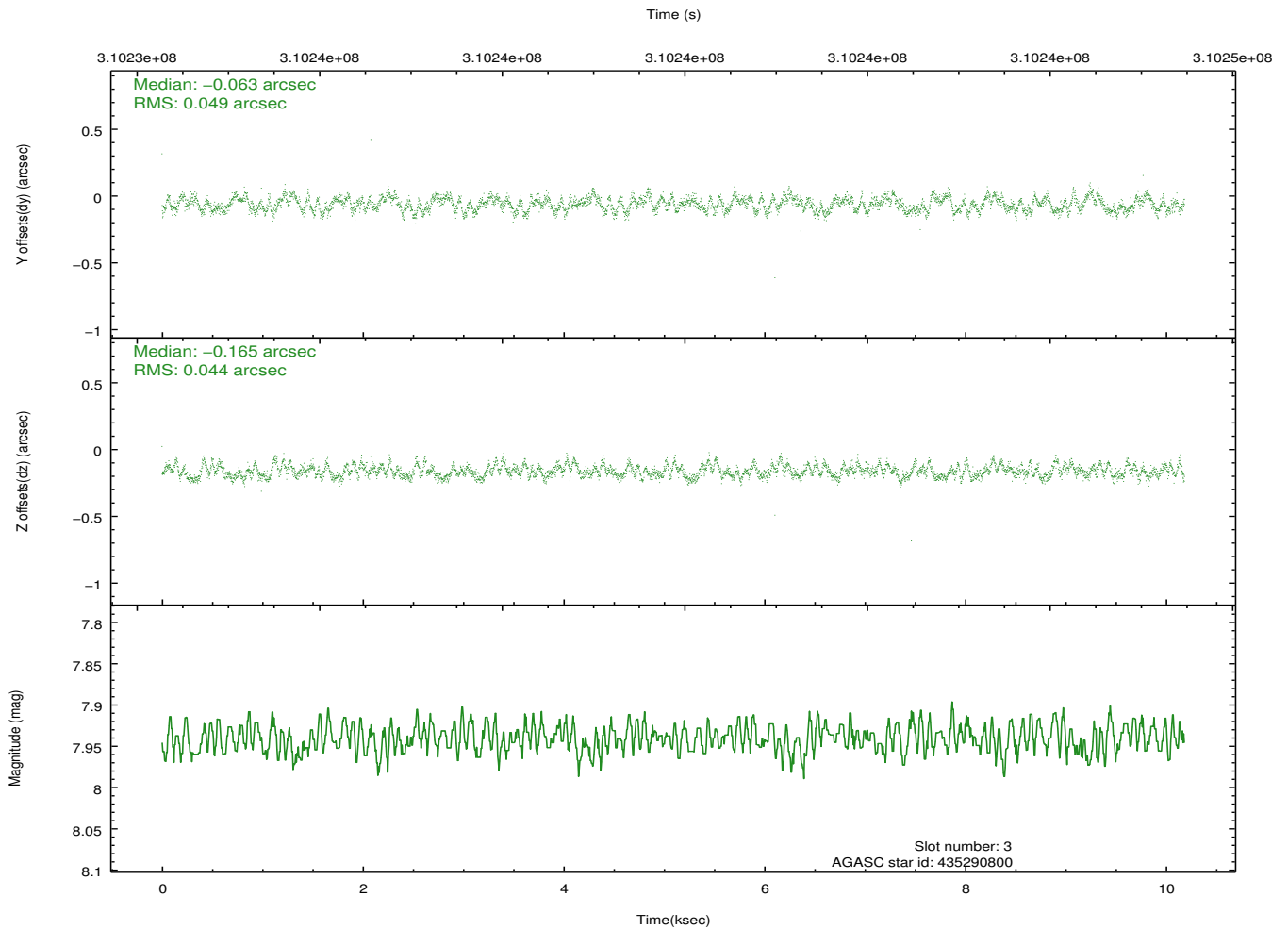
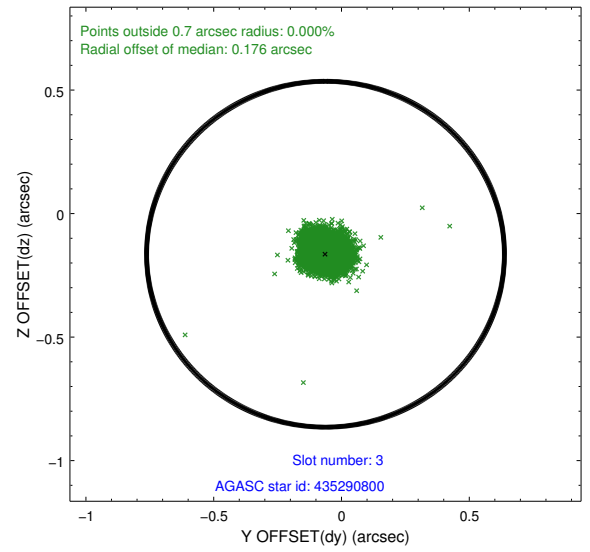
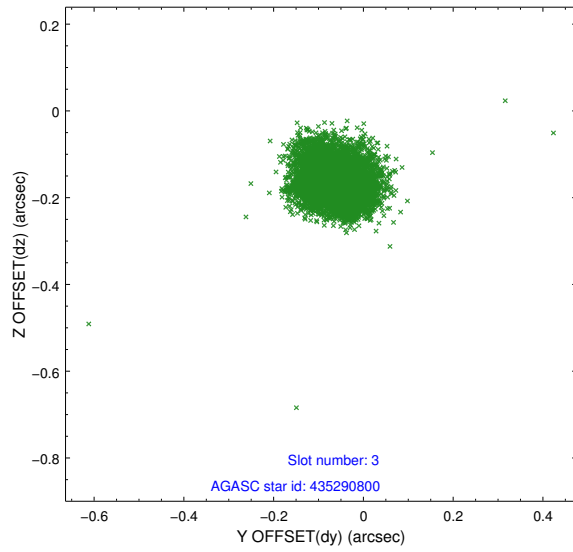


Slot Statistics

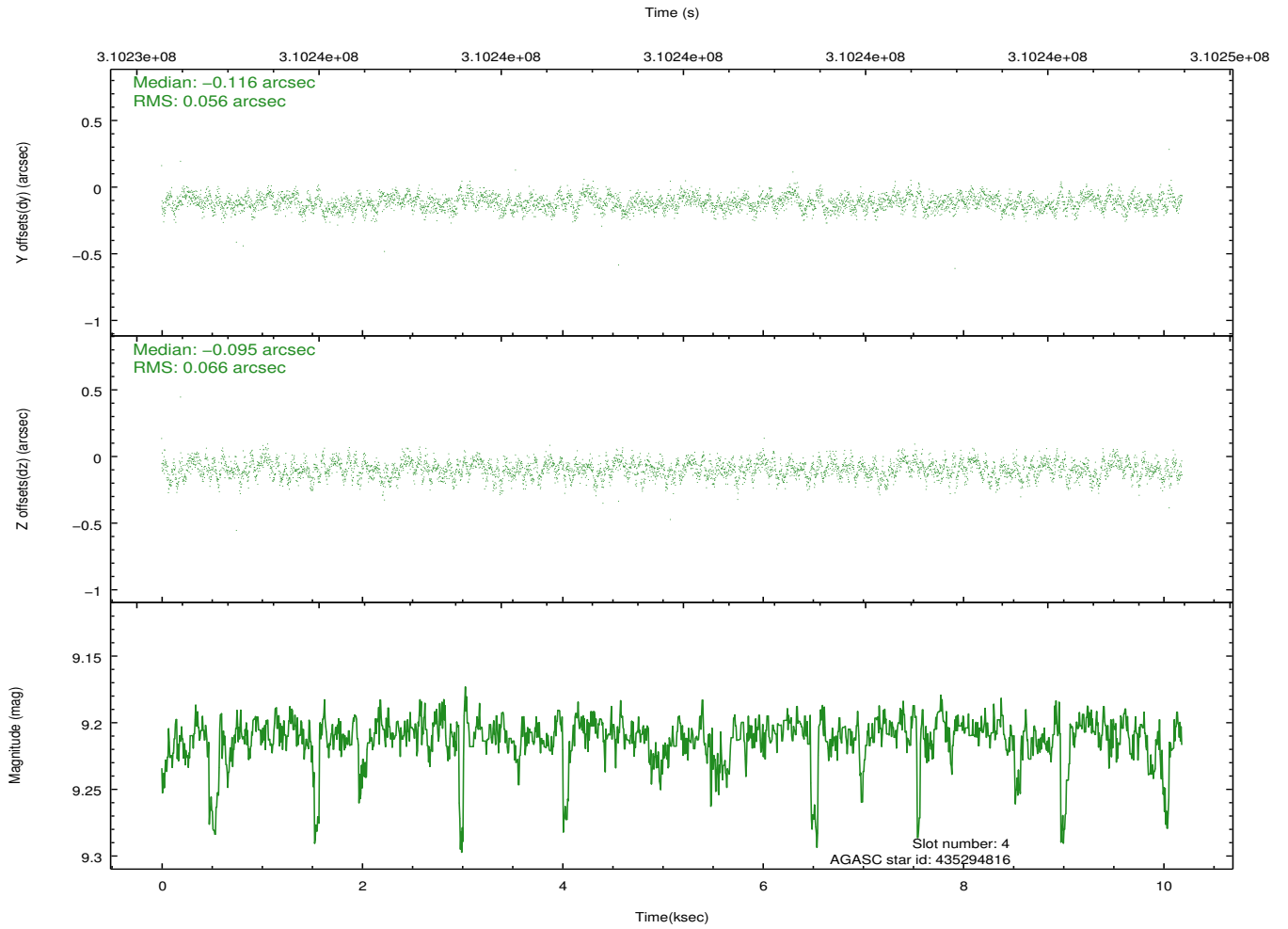
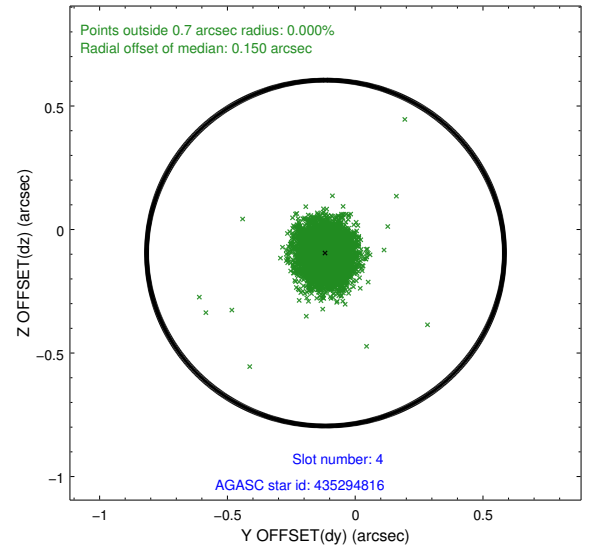
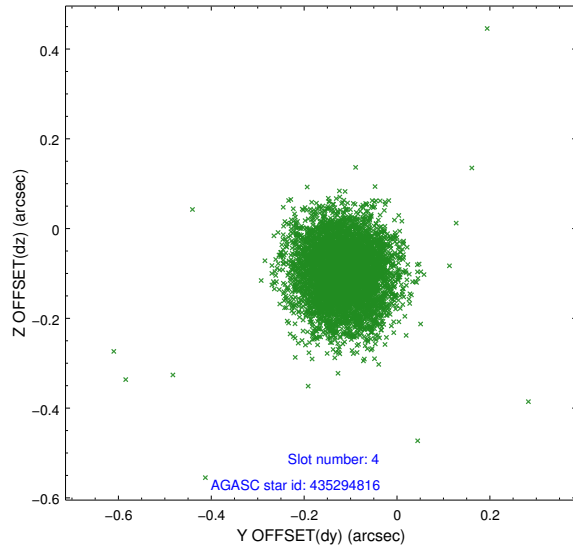
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2484	-0.081	-0.060	0.007	0.013	0.000000	0.000000	-767.51	-1735.53
1	FID	ACIS-S-4	7.19	2482	0.208	0.055	0.006	0.013	0.000000	0.000000	2145.82	172.53
2	FID	ACIS-S-5	7.23	2484	-0.159	0.014	0.007	0.011	0.000000	0.000000	-1819.77	166.75
3	GUIDE	435290800	7.94	4968	-0.063	-0.165	0.070	0.107	56.171214	50.542921	876.19	478.97
4	GUIDE	435294816	9.21	4953	-0.116	-0.095	0.091	0.143	55.731774	50.186096	1042.23	2104.16
5	GUIDE	437519928	6.60	4969	-0.110	0.127	0.045	0.072	57.162279	50.844930	-431.02	-1660.58
6	GUIDE	437529824	6.57	4969	0.119	0.055	0.063	0.105	57.075305	50.736763	-478.96	-1227.22
7	GUIDE	436994544	9.66	4964	0.160	0.070	0.106	0.177	57.831829	50.520725	-2348.94	-1531.70

2.4 Star Slots

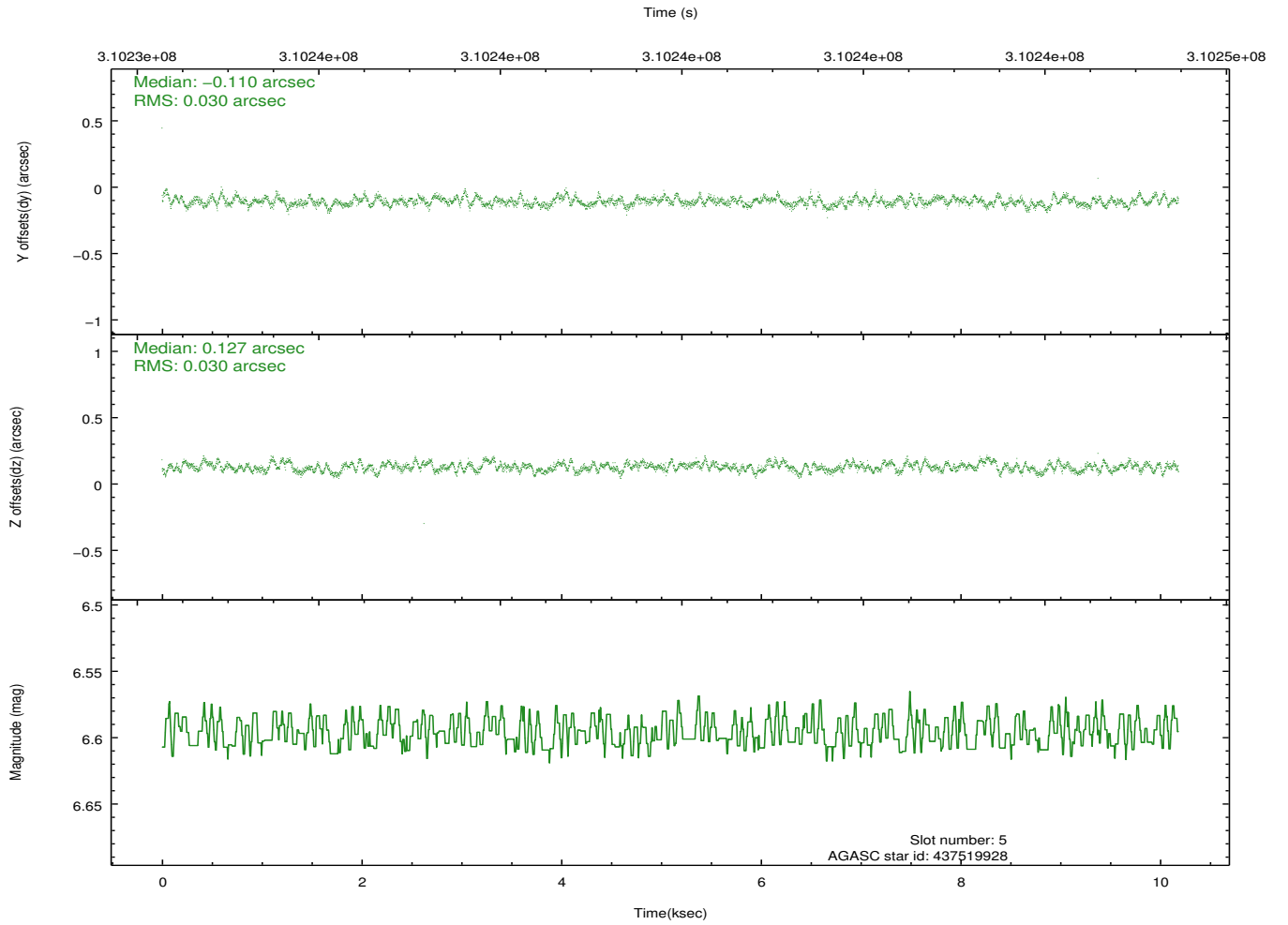
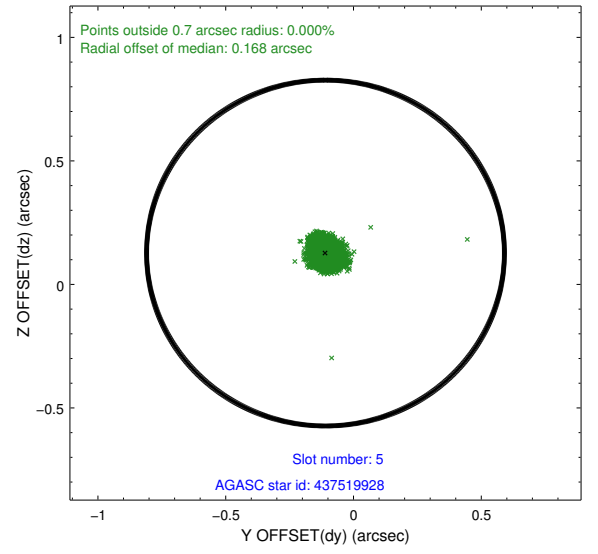
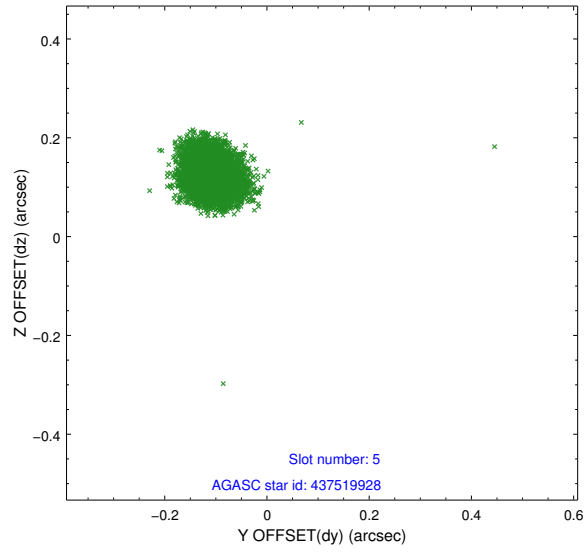
2.4.1 Slot 3



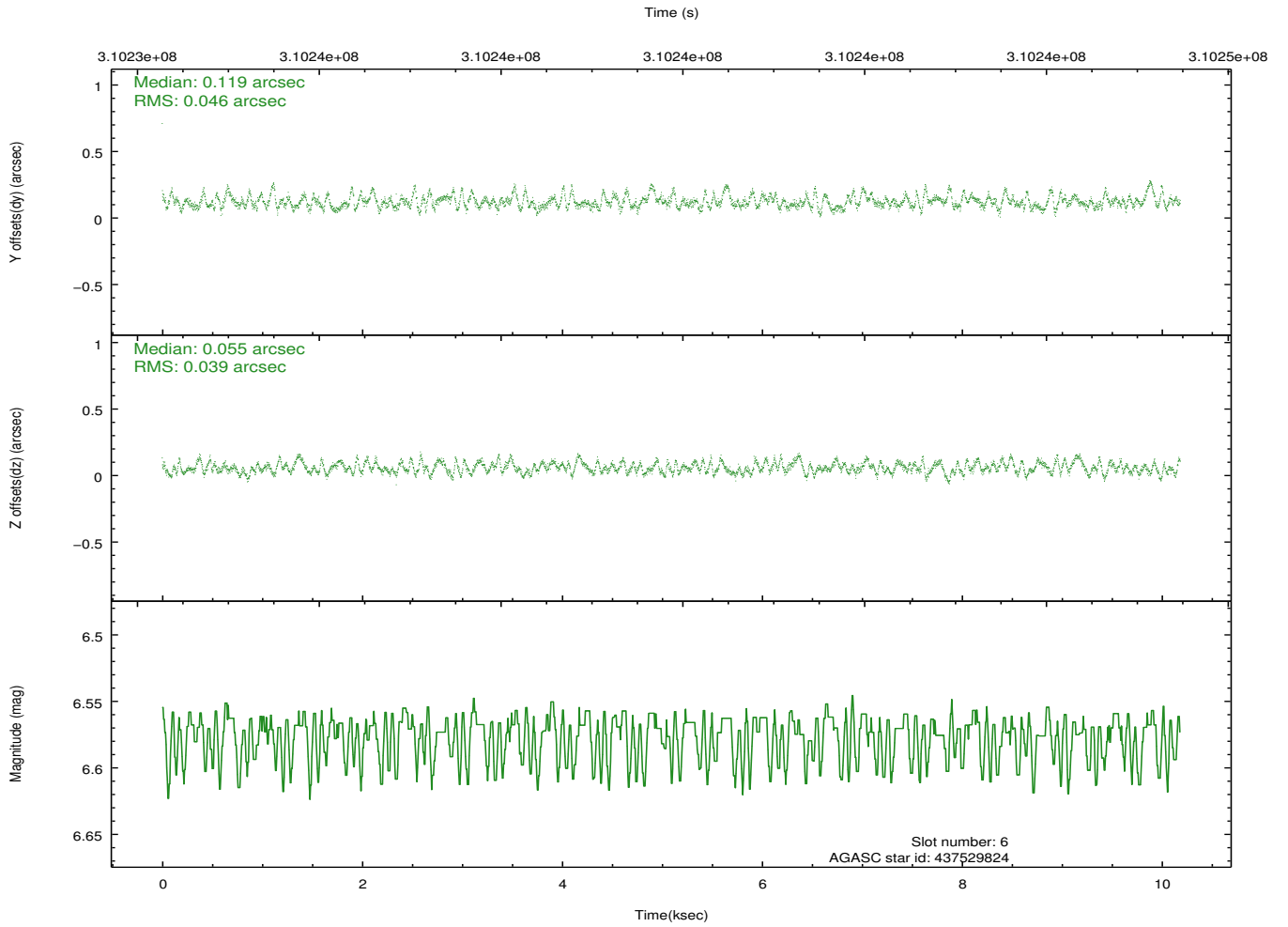
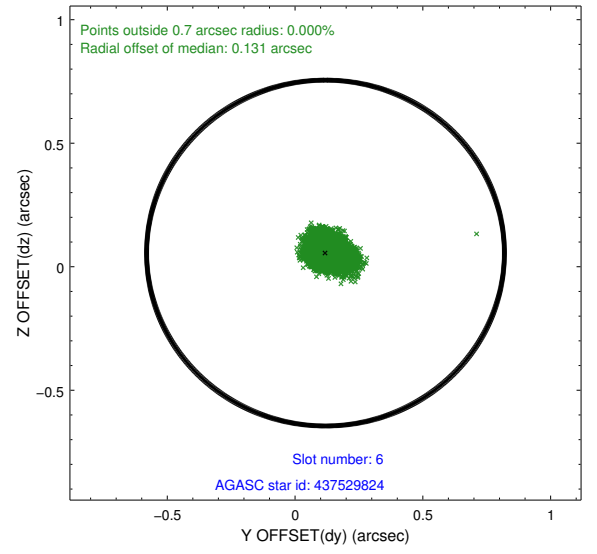
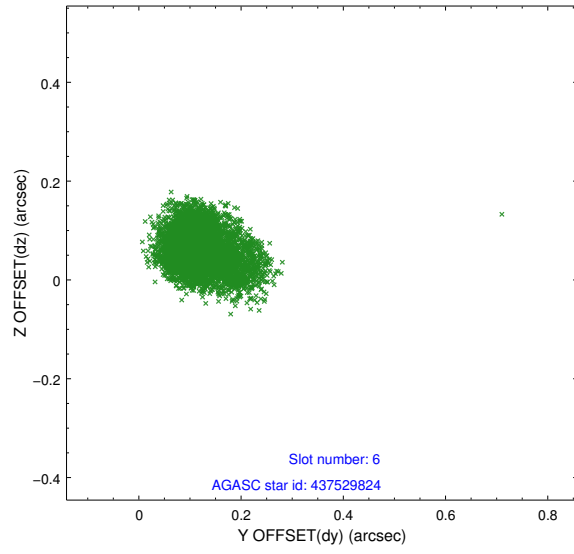
2.4.2 Slot 4



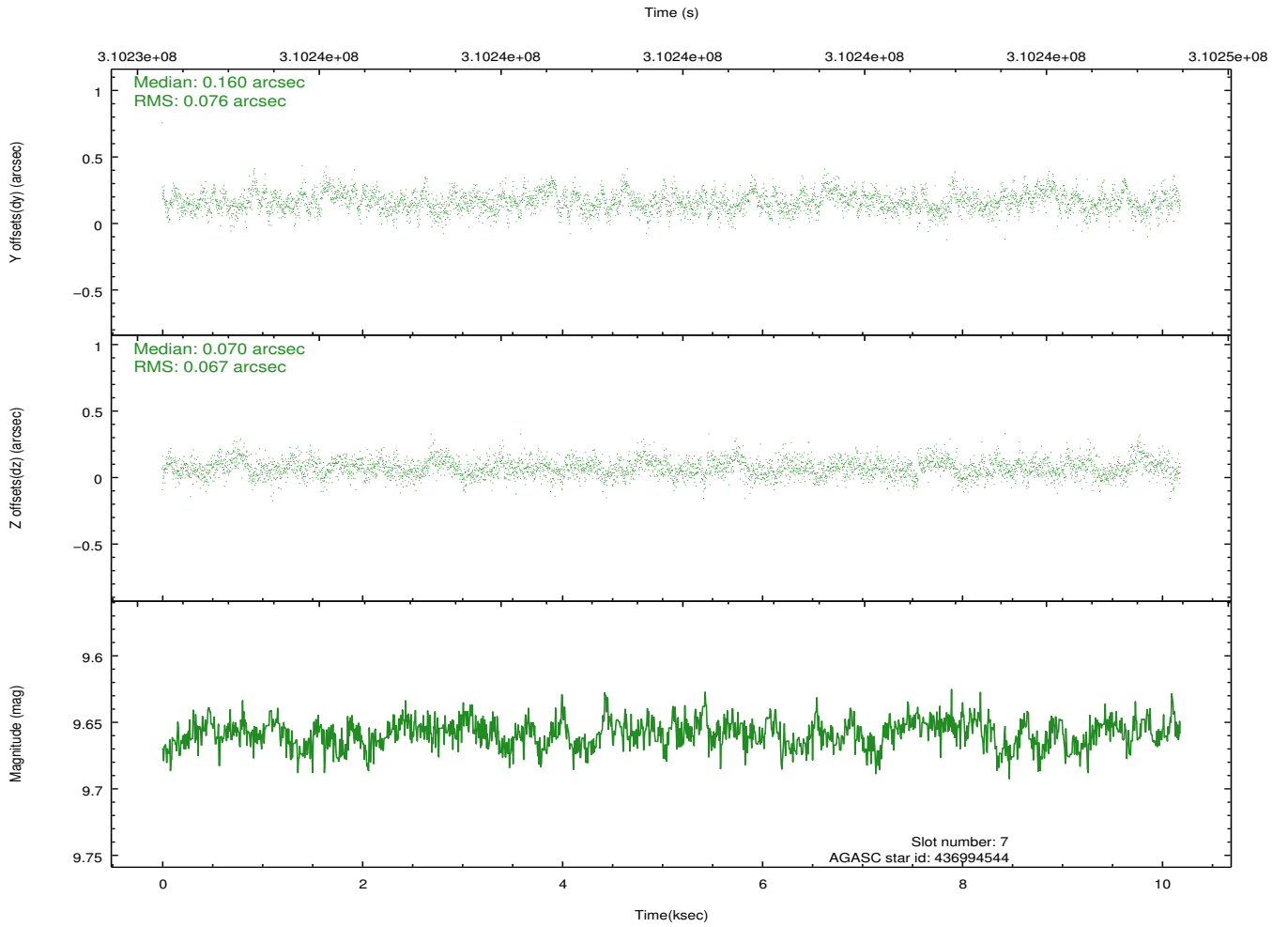
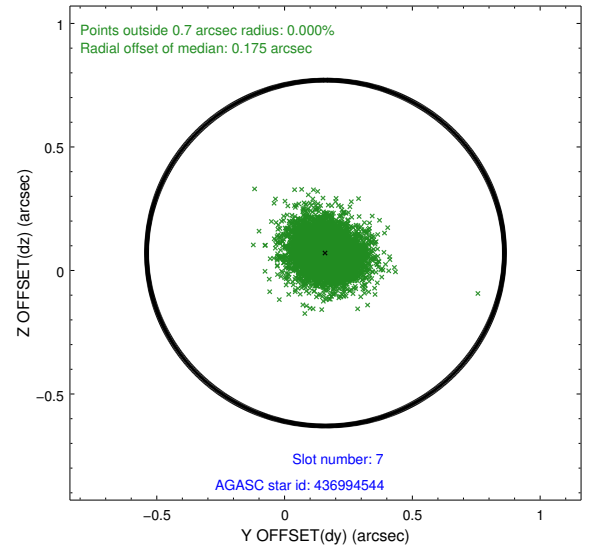
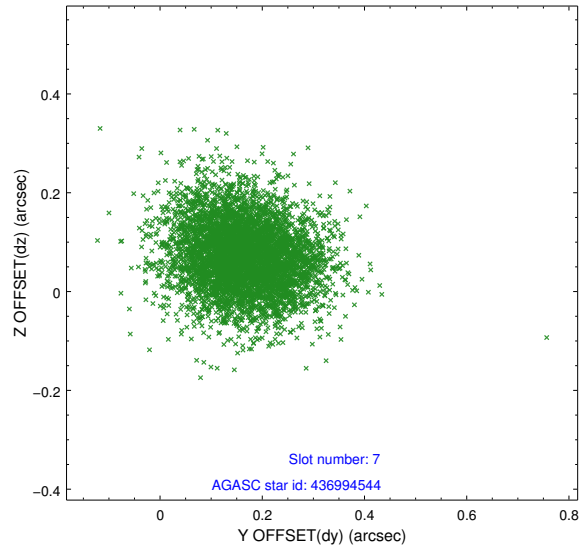
2.4.3 Slot 5



2.4.4 Slot 6

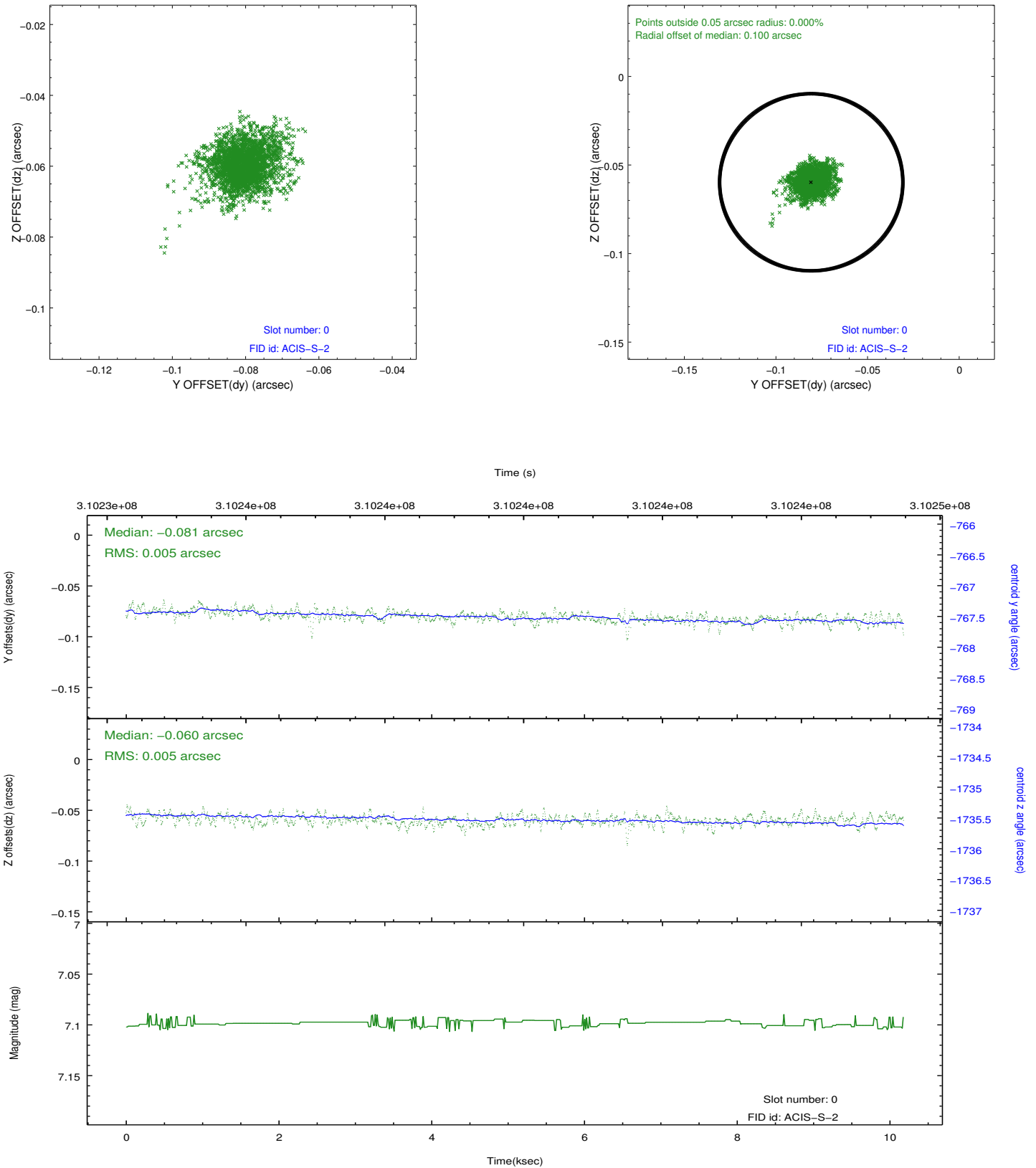


2.4.5 Slot 7

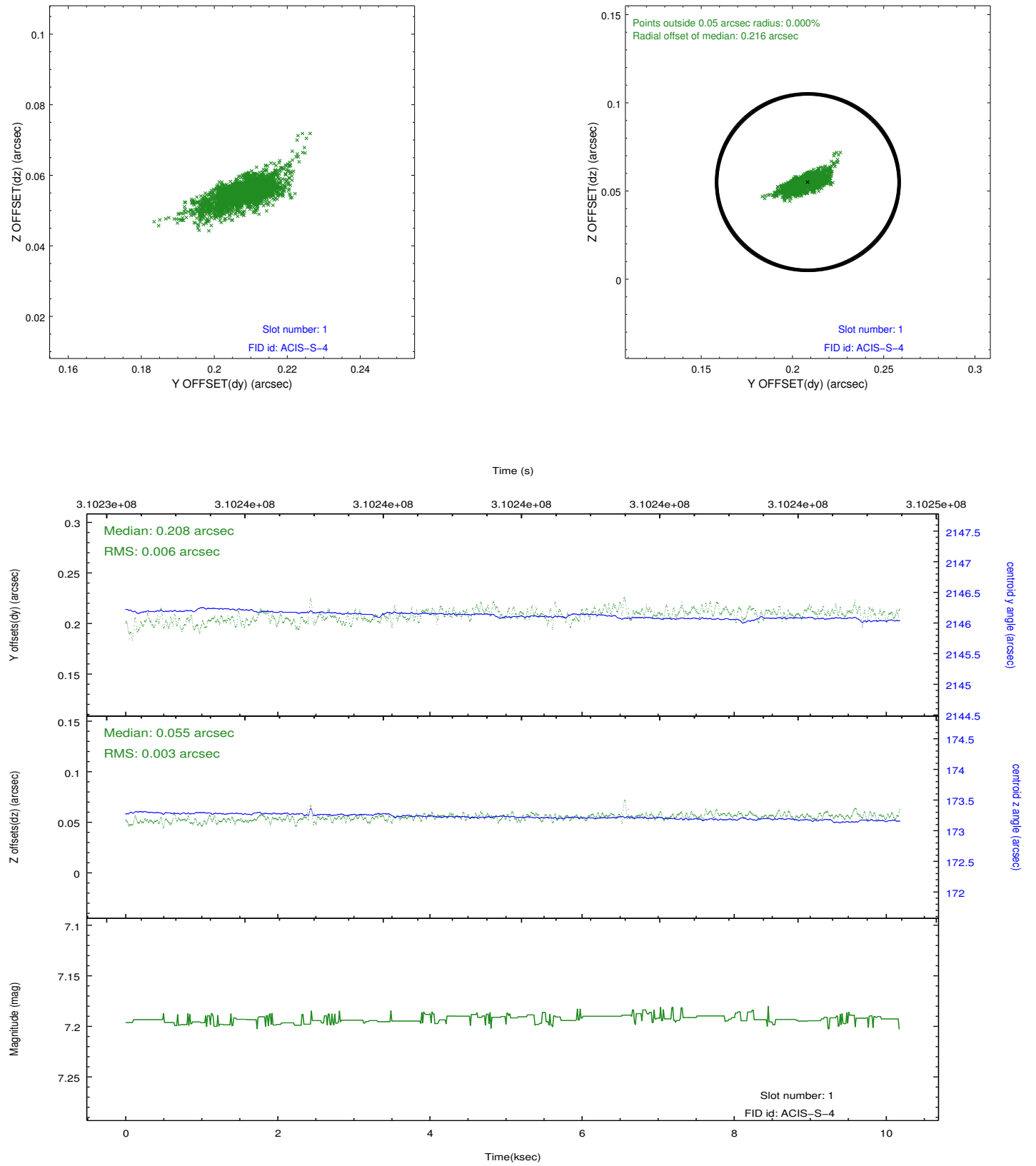


2.5 FID Slots

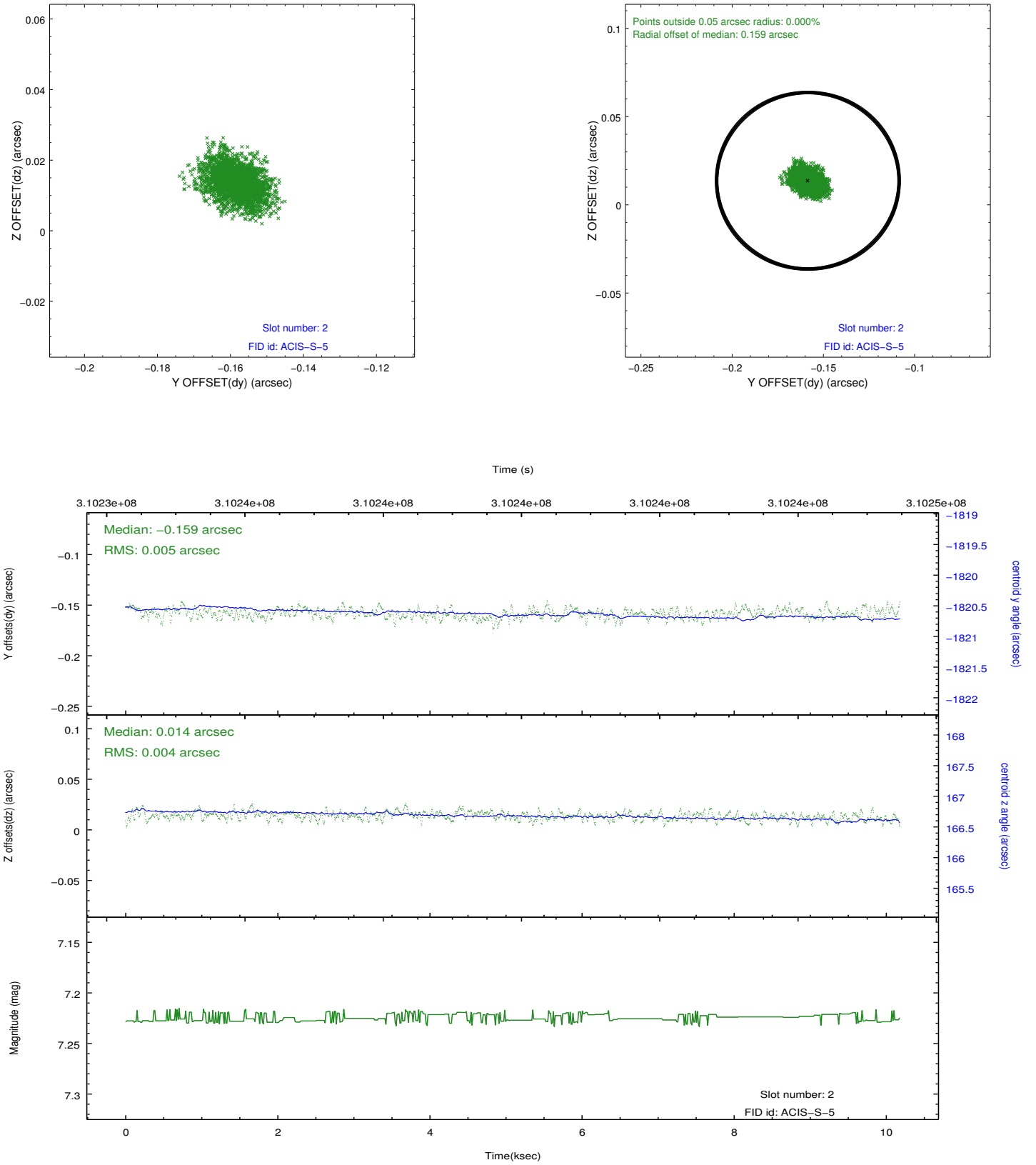
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1791999

A.2 Comments