

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12009 - L2 Version 2
Chandra X-Ray Center

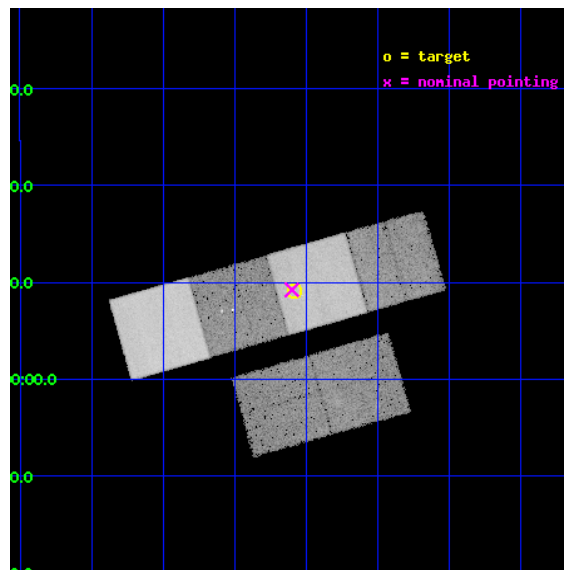
L2 Processing Date : Jun 19 2012

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1 Front

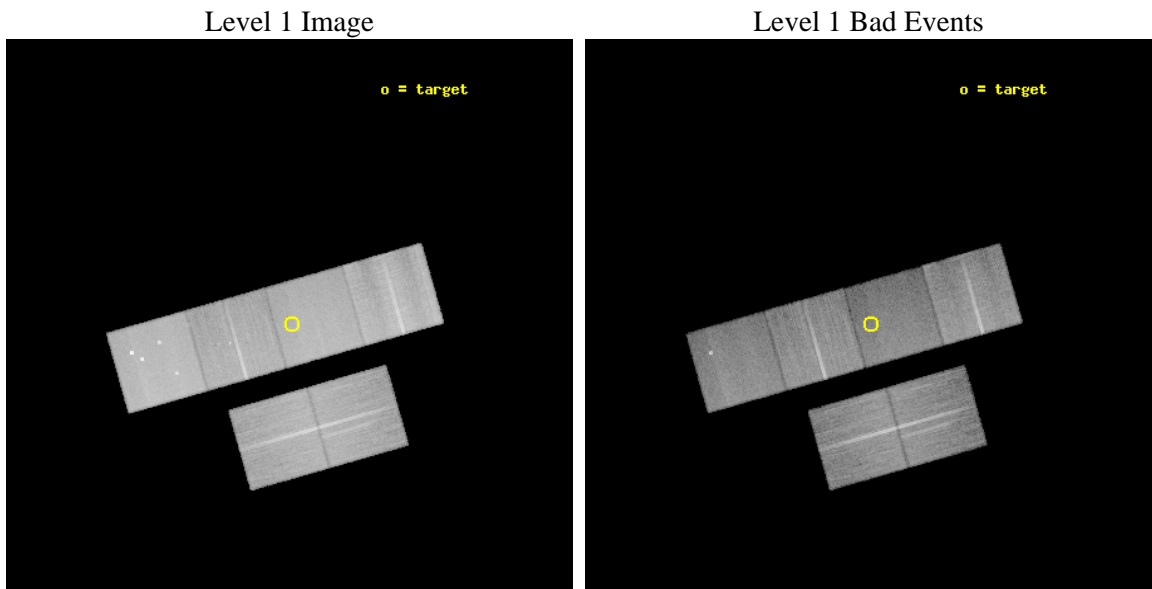
seq_num	200656	Sequence number
obs_id	12009	Observation id
title	X-ray Emission from V838 Mon: Stellar Merger or Ejecta-Companion Interactions?	Proposal title
observer	Dr. Joel Kastner	Principal investigator
object	V838 Mon	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	106.02	Observer's specified target RA [deg]
dec_targ	-3.847528	Observer's specified target Dec [deg]
ra_nom	106.02466222725	Nominal RA [deg]
dec_nom	-3.8462096768279	Nominal Dec [deg]
roll_nom	344.12398723502	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24473.599908888	Sum of GTIs [s]
livetime	24163.700450609	Livetime [s]
ontime2	24473.599908888	Sum of GTIs [s]
ontime3	24473.599908888	Sum of GTIs [s]
ontime5	24473.599908888	Sum of GTIs [s]
ontime6	24473.599908888	Sum of GTIs [s]
ontime7	24473.599908888	Sum of GTIs [s]
ontime8	24473.599908888	Sum of GTIs [s]
l2events	328084	Number of level 2 events



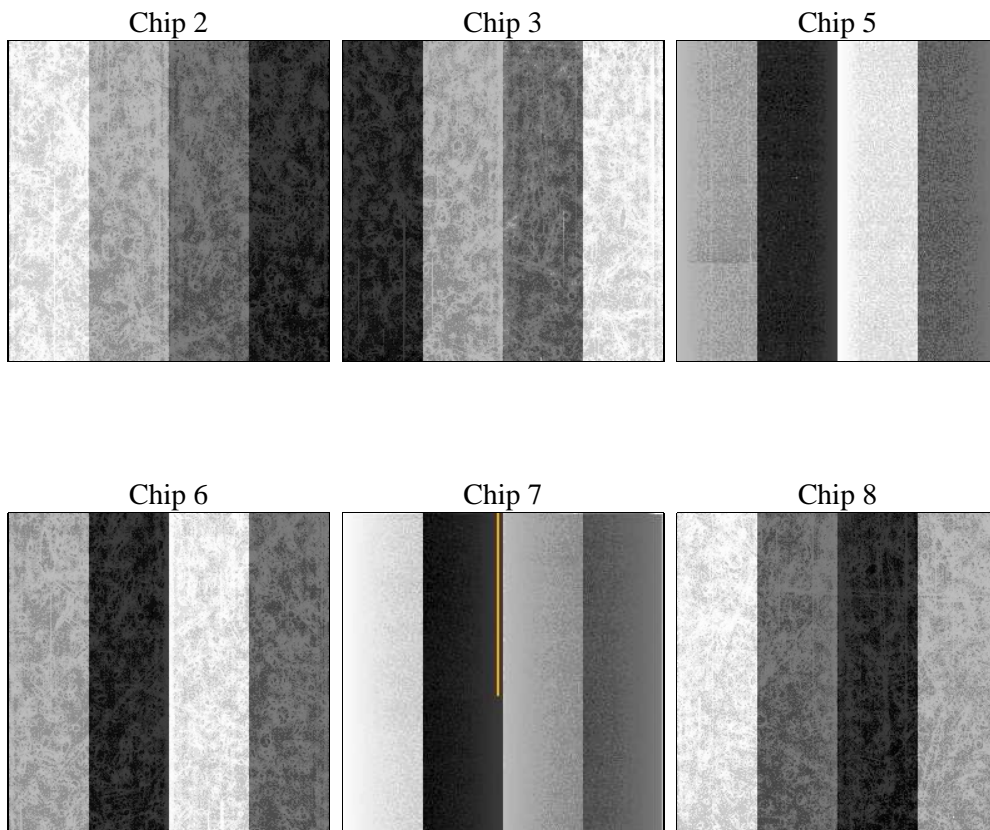
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24318.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	24473.599908888	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	24473.599908888	Sum of GTIs [s]
date	2012-06-19T22:27:35	Date and time of file creation	ontime3	24473.599908888	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	24473.599908888	Sum of GTIs [s]
			ontime6	24473.599908888	Sum of GTIs [s]
			ontime7	24473.599908888	Sum of GTIs [s]
			ontime8	24473.599908888	Sum of GTIs [s]
			l1events	1479253	Number of level 1 events

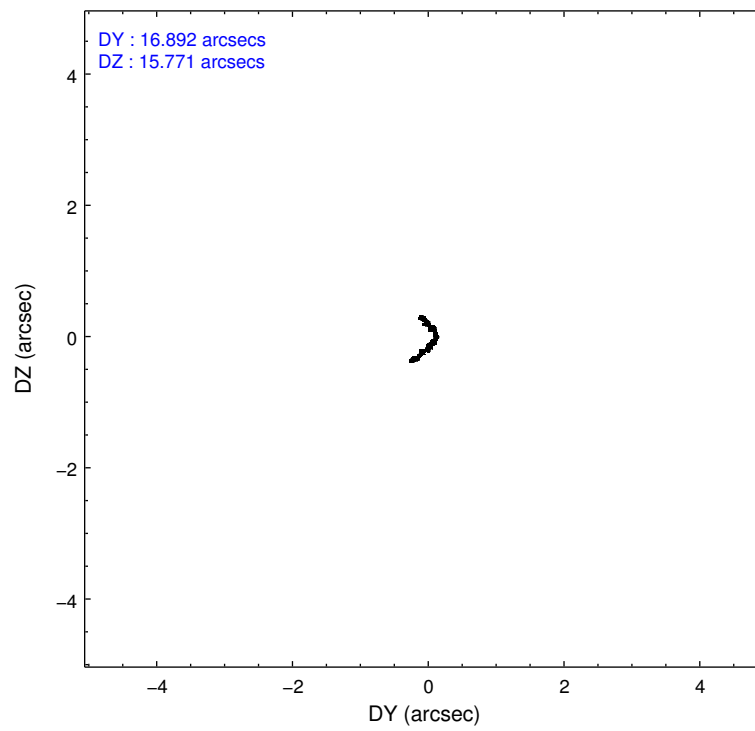
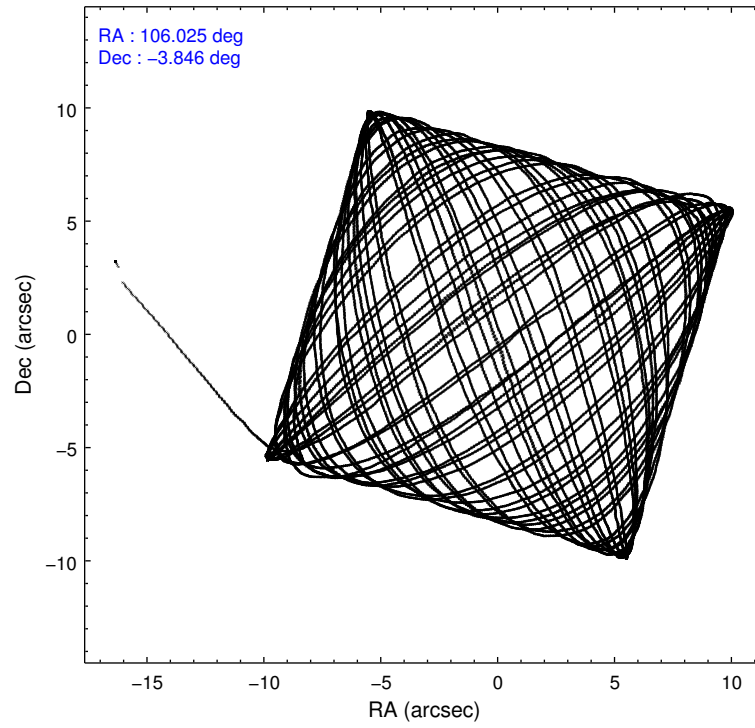
2.1.4 Events

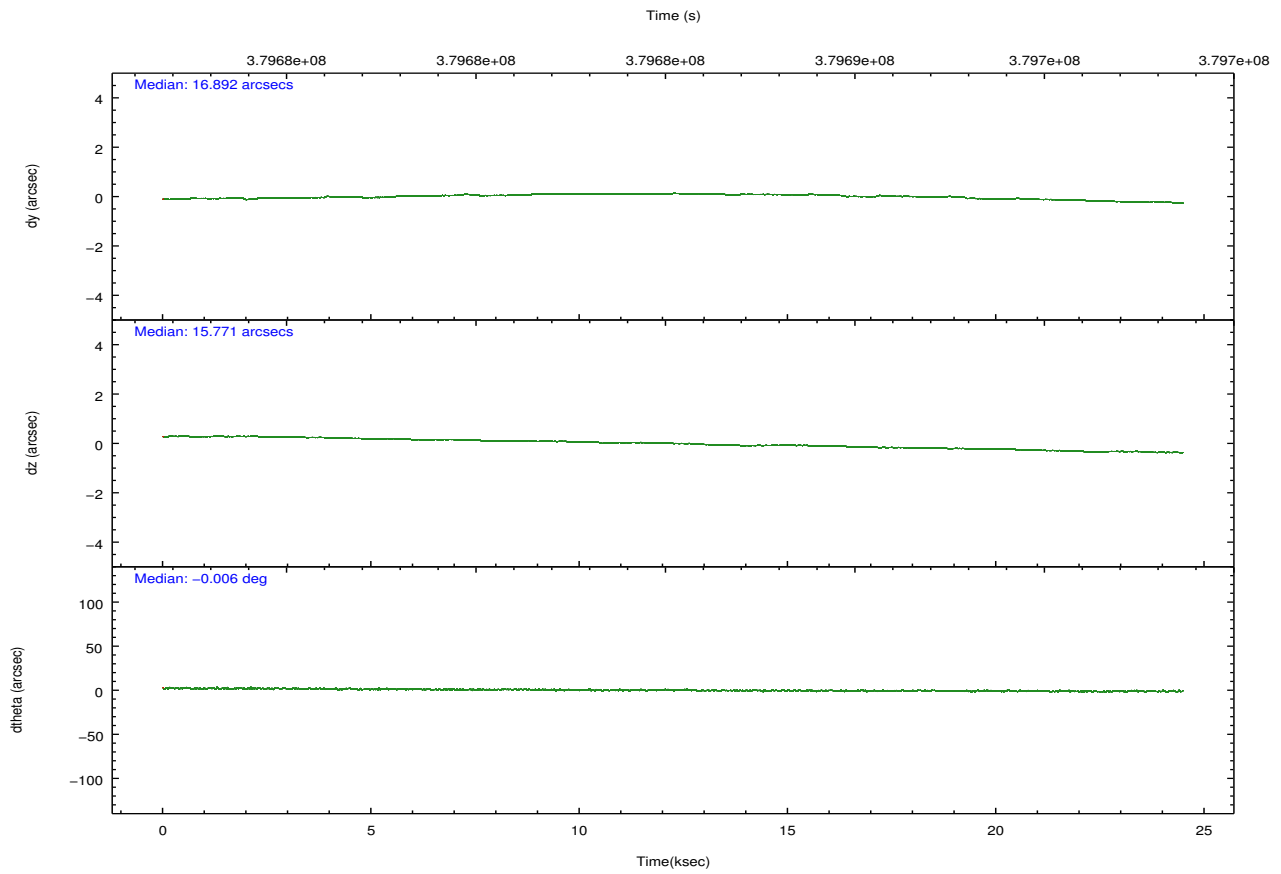
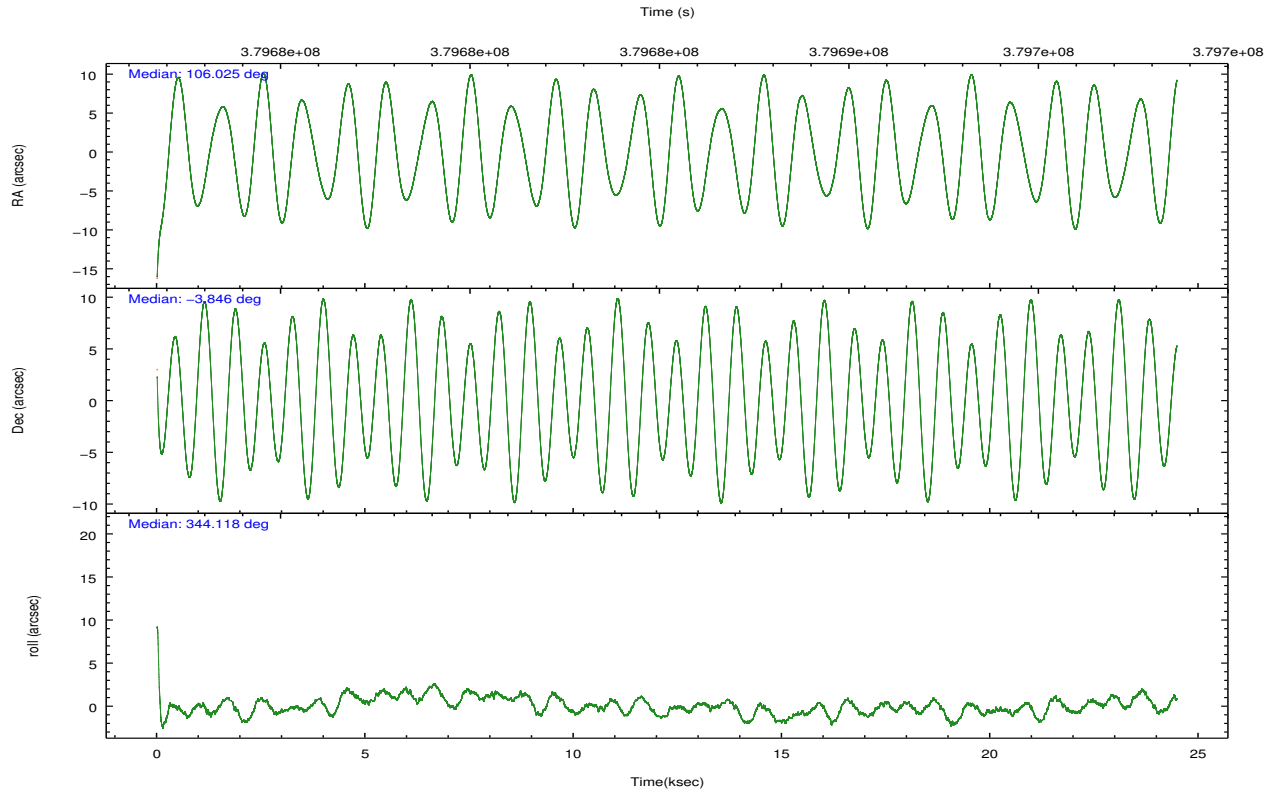
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	222136	205458	311065	218880	245366	276348	grade 0 events	7758	7451	16625	8410	10130	20225
rejected events	200413	184931	156463	195633	133774	207164		3%	3%	5%	3%	4%	7%
rejected %	90%	90%	50%	89%	54%	74%	grade 1 events	149	121	591	107	318	228
								0%	0%	0%	0%	0%	0%
							grade 2 events	5365	4601	47741	5196	22916	16356
								2%	2%	15%	2%	9%	5%
							grade 3 events	2186	2232	5830	2420	10127	7423
								0%	1%	1%	1%	4%	2%
							grade 4 events	2338	2268	5554	2302	9988	6768
								1%	1%	1%	1%	4%	2%
							grade 5 events	7793	8697	23883	8998	25963	13211
								3%	4%	7%	4%	10%	4%
							grade 6 events	4159	4058	79497	5003	58912	18676
								1%	1%	25%	2%	24%	6%
							grade 7 events	192388	176030	131344	186444	107012	193461
								86%	85%	42%	85%	43%	70%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	105.998192	106.0246622272517	CCD I2 on	O4	Y
[deg] Pointing Dec	-3.853237	-3.846209676827926	CCD I3 on	O5	Y
[deg] Pointing Roll	343.965573	344.1239872350201	CCD S0 on	N	N
[s] Window start time (MET)	376012866.184000	376012866.184000	CCD S1 on	O3	Y
[s] Window stop time (MET)	382320066.184000	382320066.184000	CCD S2 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S3 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S4 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S5 on	N	N
[mm] SIM translation stage offset	0	0.01005778216563158	Number of optional ACIS chips dropped	0	0
[s] Observation start time (MET)	379673137.184000	379672024.82379	On-chip summing requested	N	N
Observation start date	2010-01-12T08:44:31	2010-01-12T08:27:04	Subarray requested	NONE	NONE
[s] Observation end time (MET)	379697455.184000	379698152.58761	Alternating exposures requested	N	N
Observation end date	2010-01-12T15:29:49	2010-01-12T15:42:32	[s] Primary exposure time	0.000000	3.2
Read mode	TIMED	TIMED			

2.3 Aspect



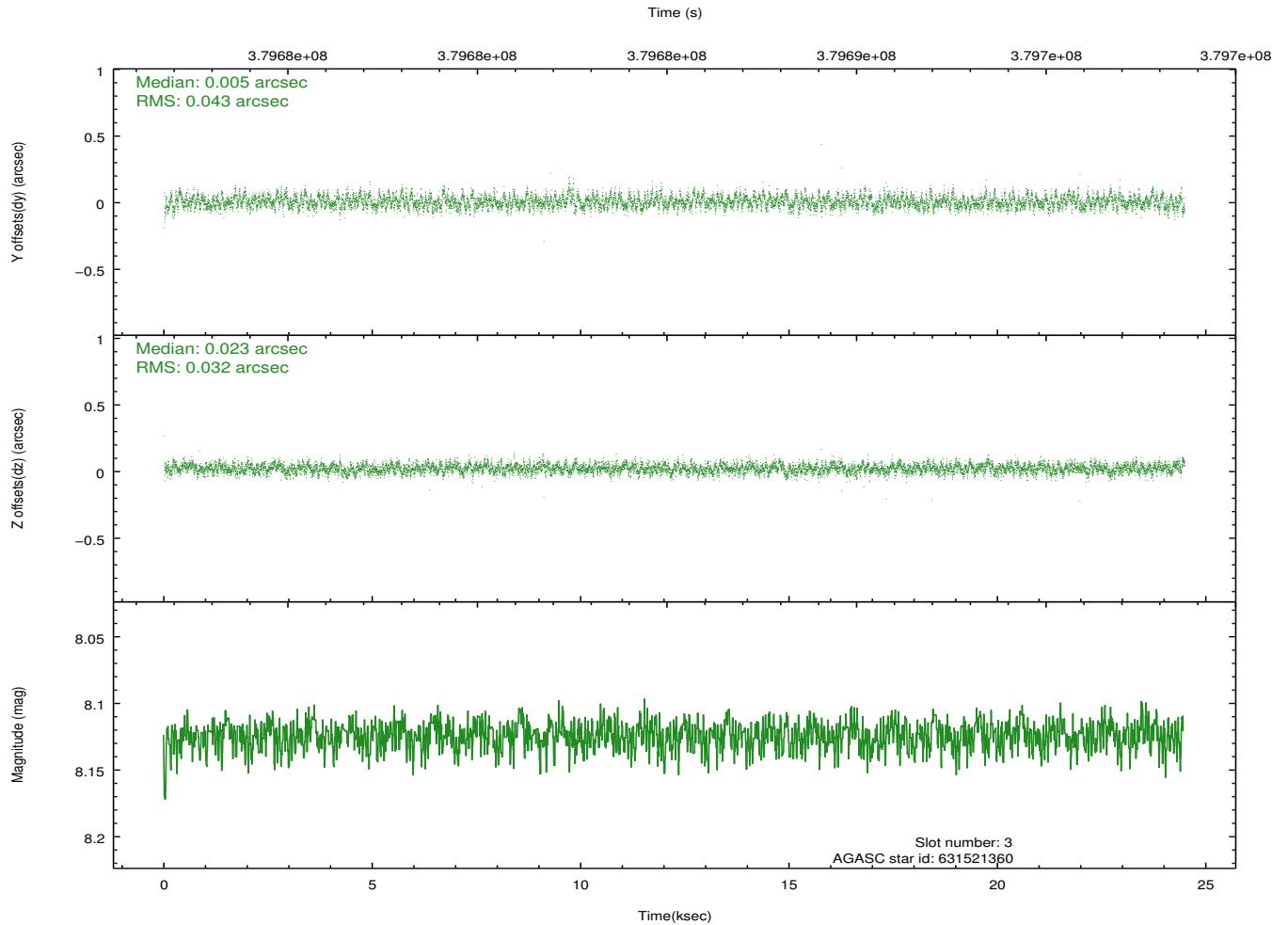
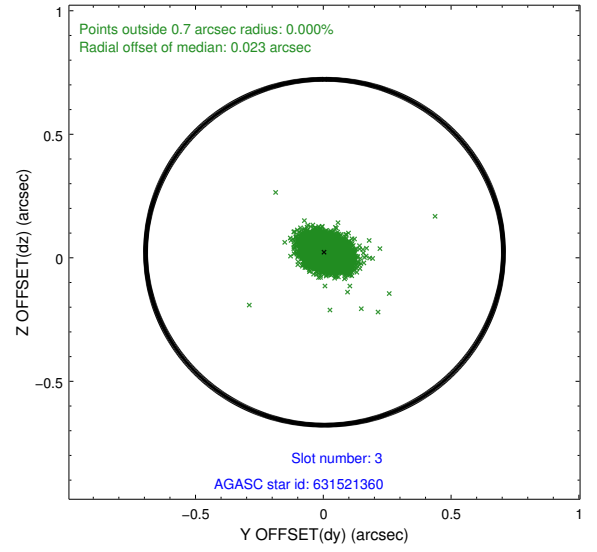
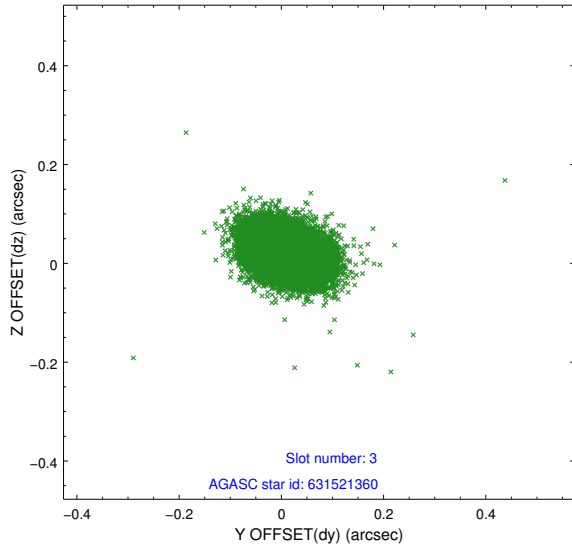


Slot Statistics

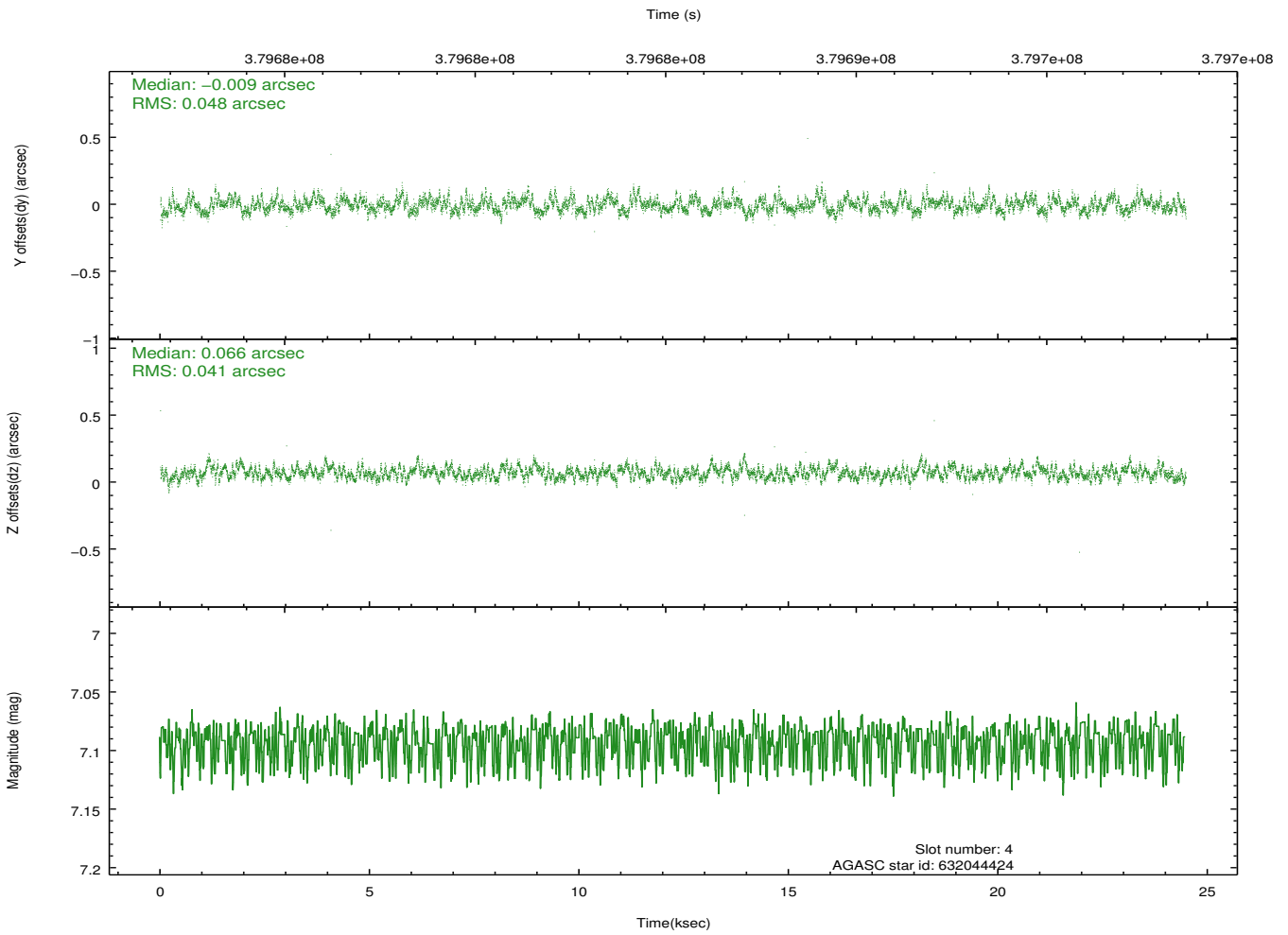
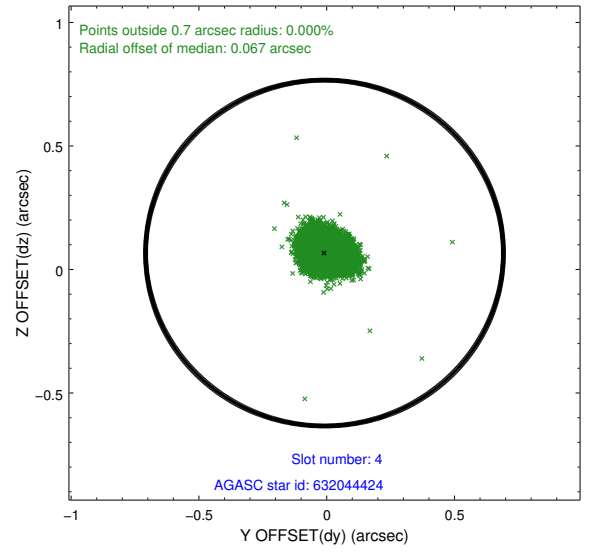
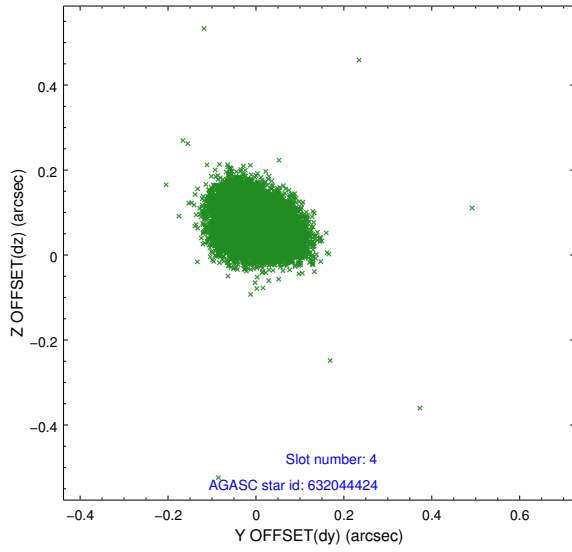
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	5971	0.156	-0.064	0.010	0.022	0.000000	0.000000	926.31	-1732.79
1	FID	ACIS-S-2	6.91	5970	-0.090	0.025	0.009	0.014	0.000000	0.000000	-769.77	-1737.40
2	FID	ACIS-S-5	7.02	5970	-0.091	0.043	0.012	0.023	0.000000	0.000000	-1823.16	164.72
3	GUIDE	631521360	8.12	11939	0.005	0.023	0.056	0.092	105.606795	-3.321305	-1880.64	1451.75
4	GUIDE	632044424	7.09	11941	-0.009	0.066	0.066	0.108	105.861395	-4.266403	-60.87	-1564.92
5	GUIDE	631514400	8.12	11936	-0.056	-0.039	0.061	0.101	105.815338	-3.343202	-1138.64	1583.12
6	GUIDE	632051368	8.88	11933	0.040	-0.010	0.106	0.169	106.485841	-4.534655	2360.37	-1874.32
7	GUIDE	632056432	8.96	11921	0.019	-0.037	0.082	0.135	106.642791	-3.900268	2272.64	476.26

2.4 Star Slots

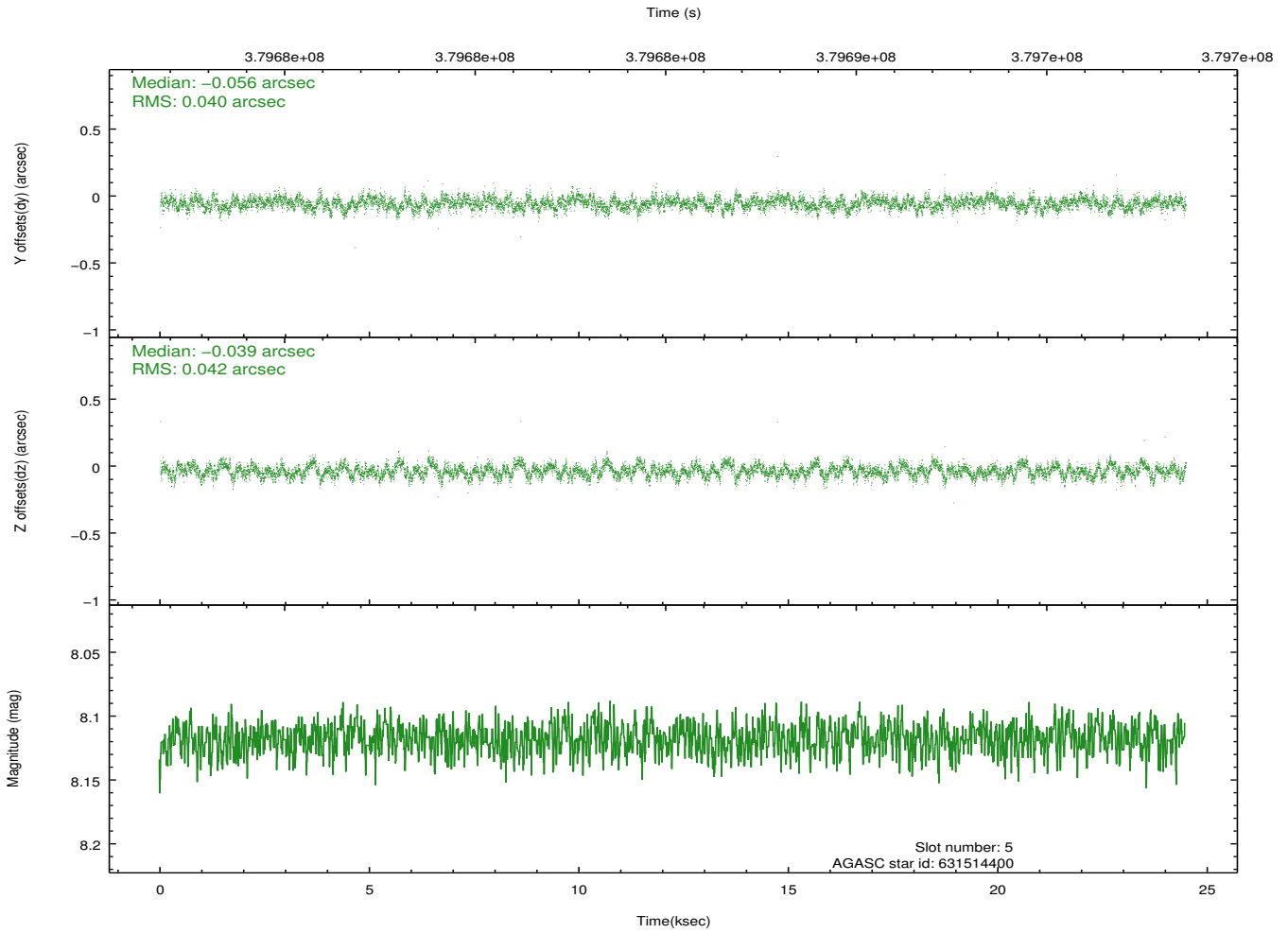
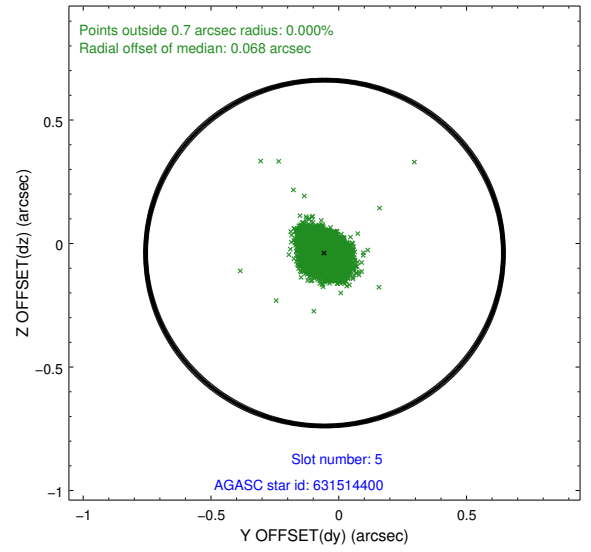
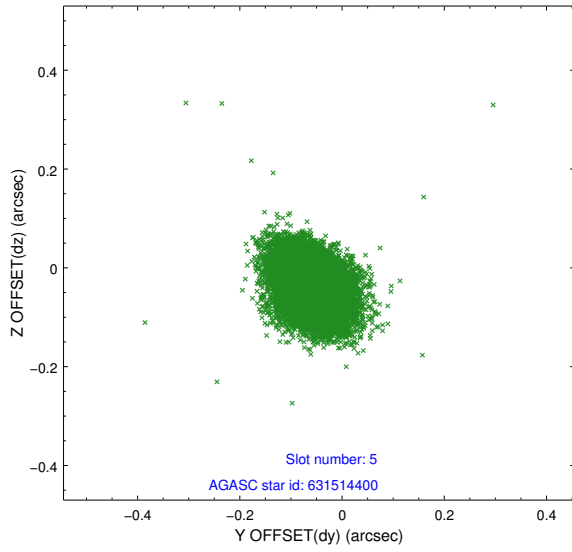
2.4.1 Slot 3



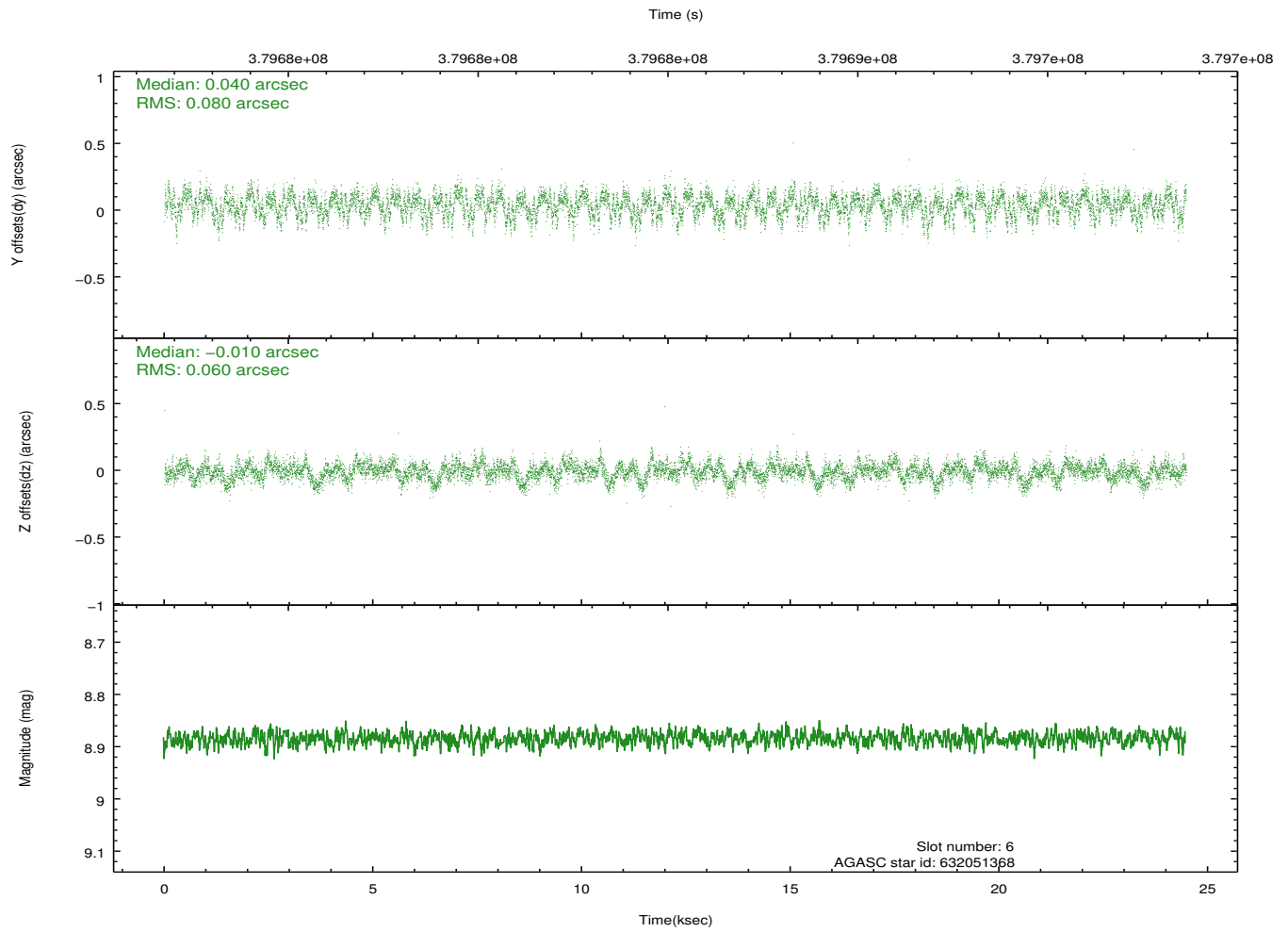
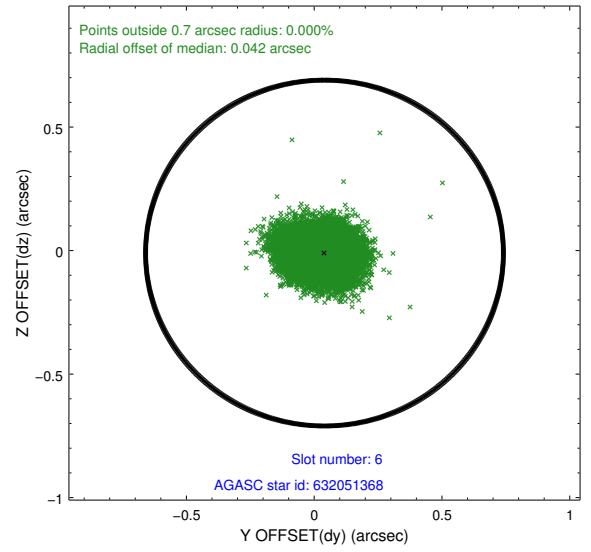
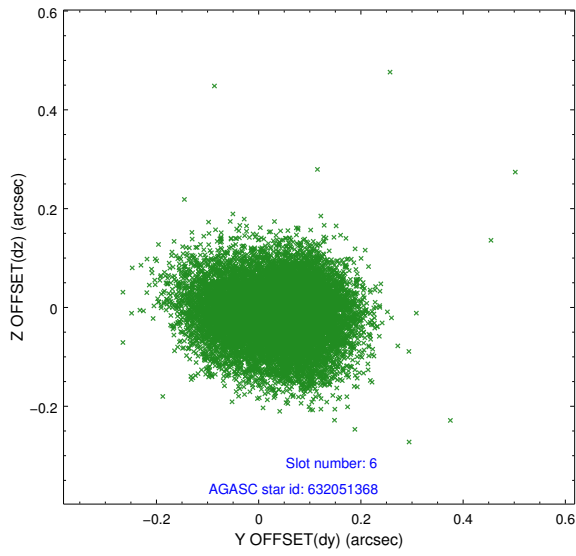
2.4.2 Slot 4



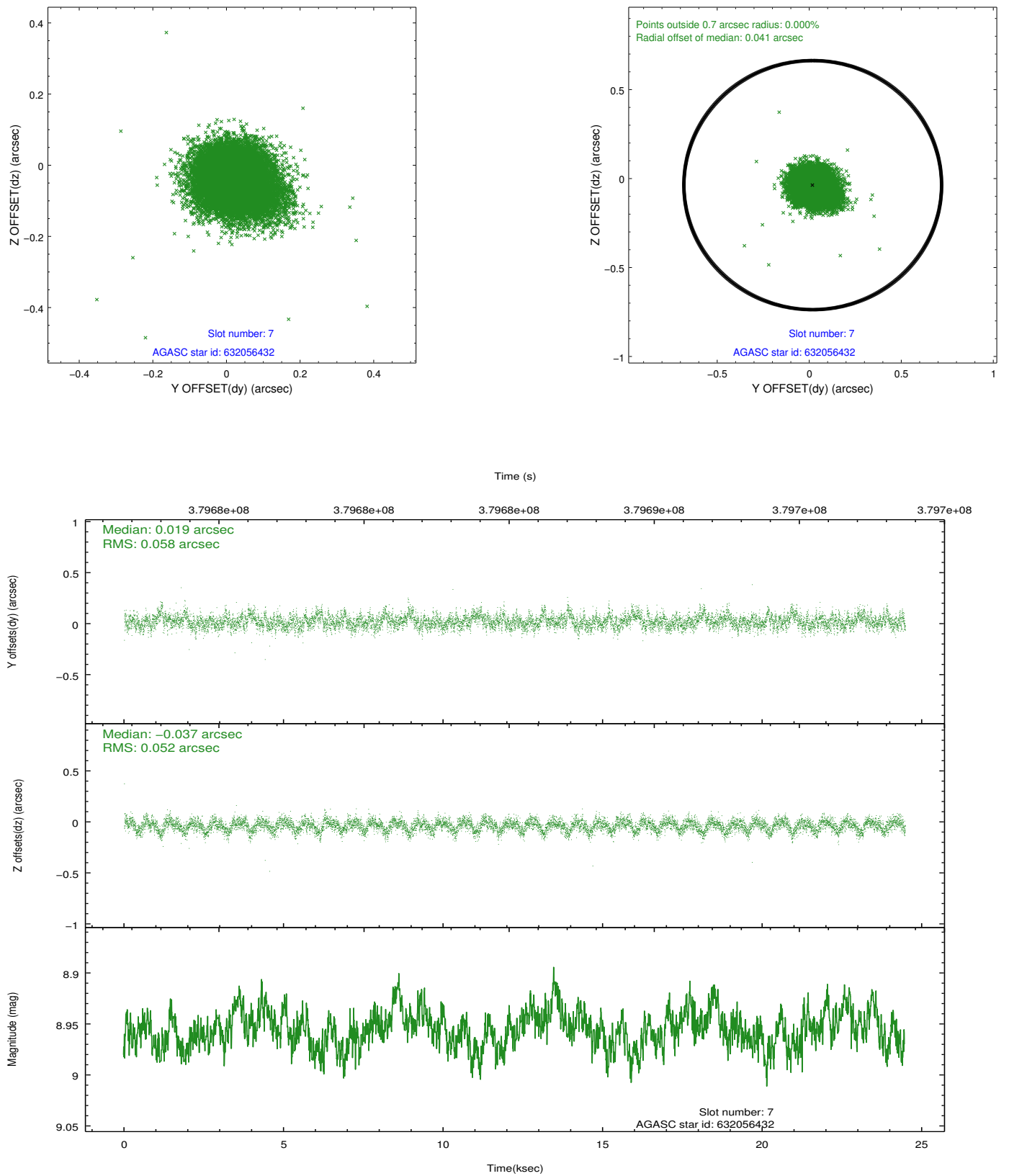
2.4.3 Slot 5



2.4.4 Slot 6

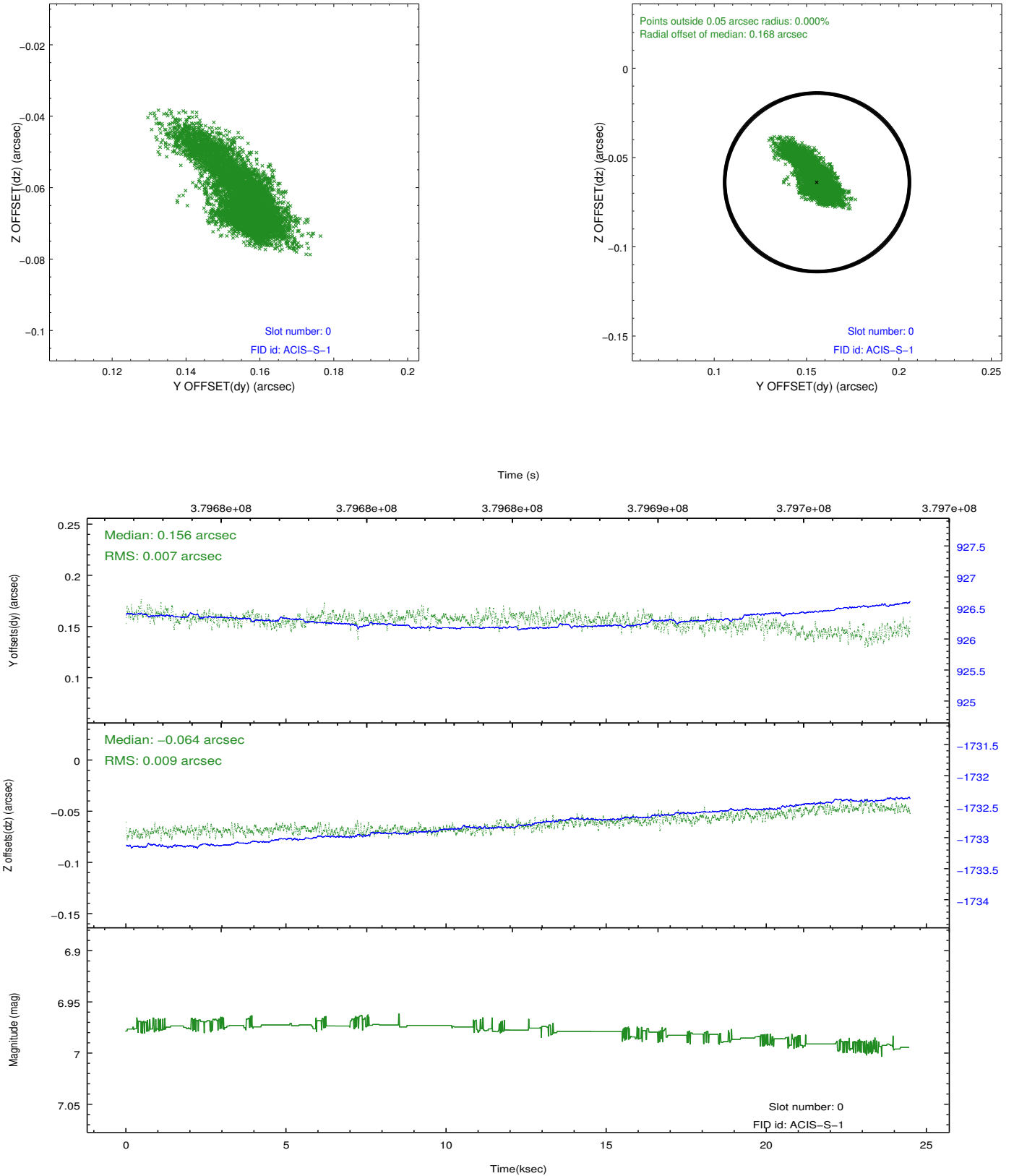


2.4.5 Slot 7

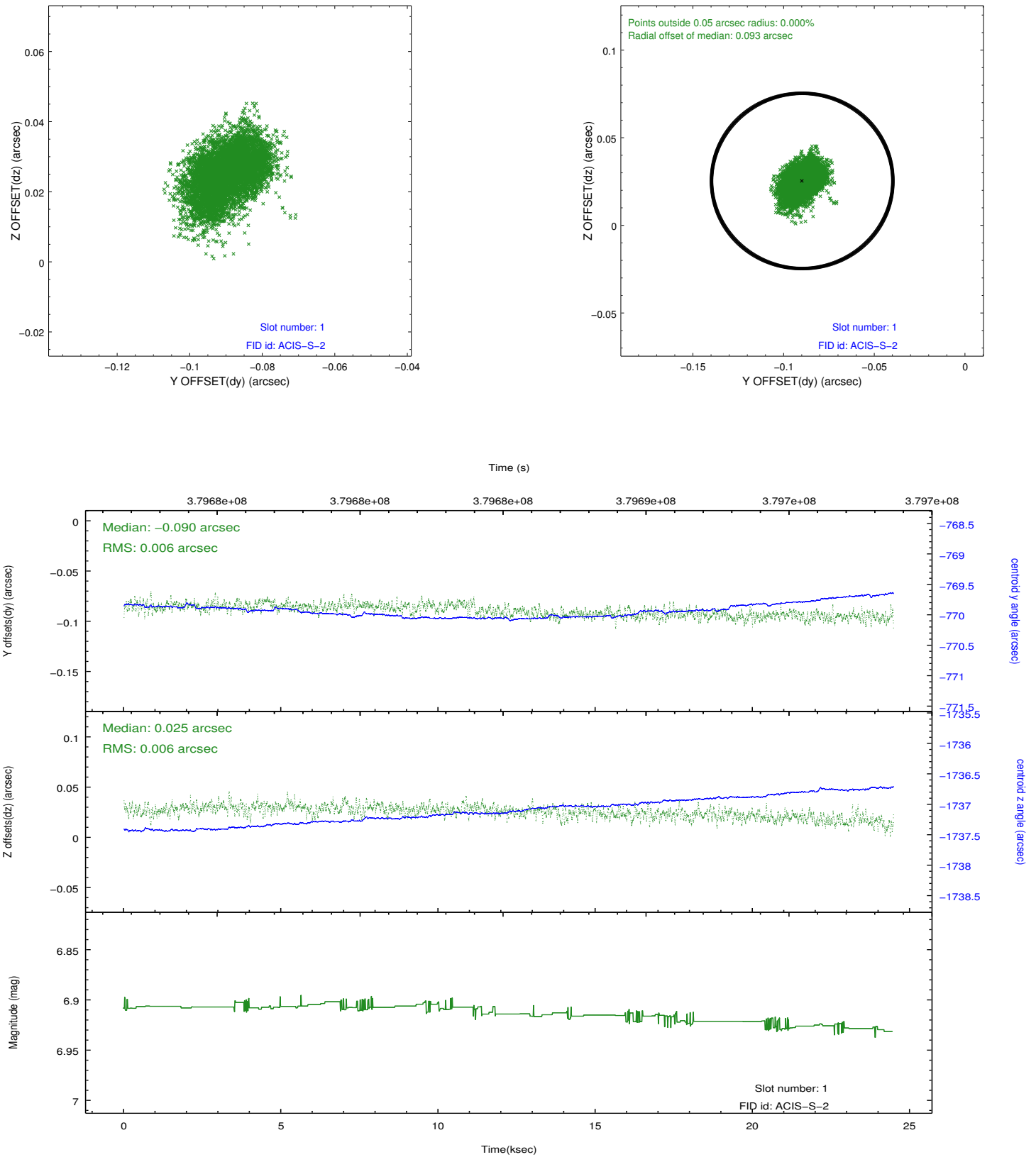


2.5 FID Slots

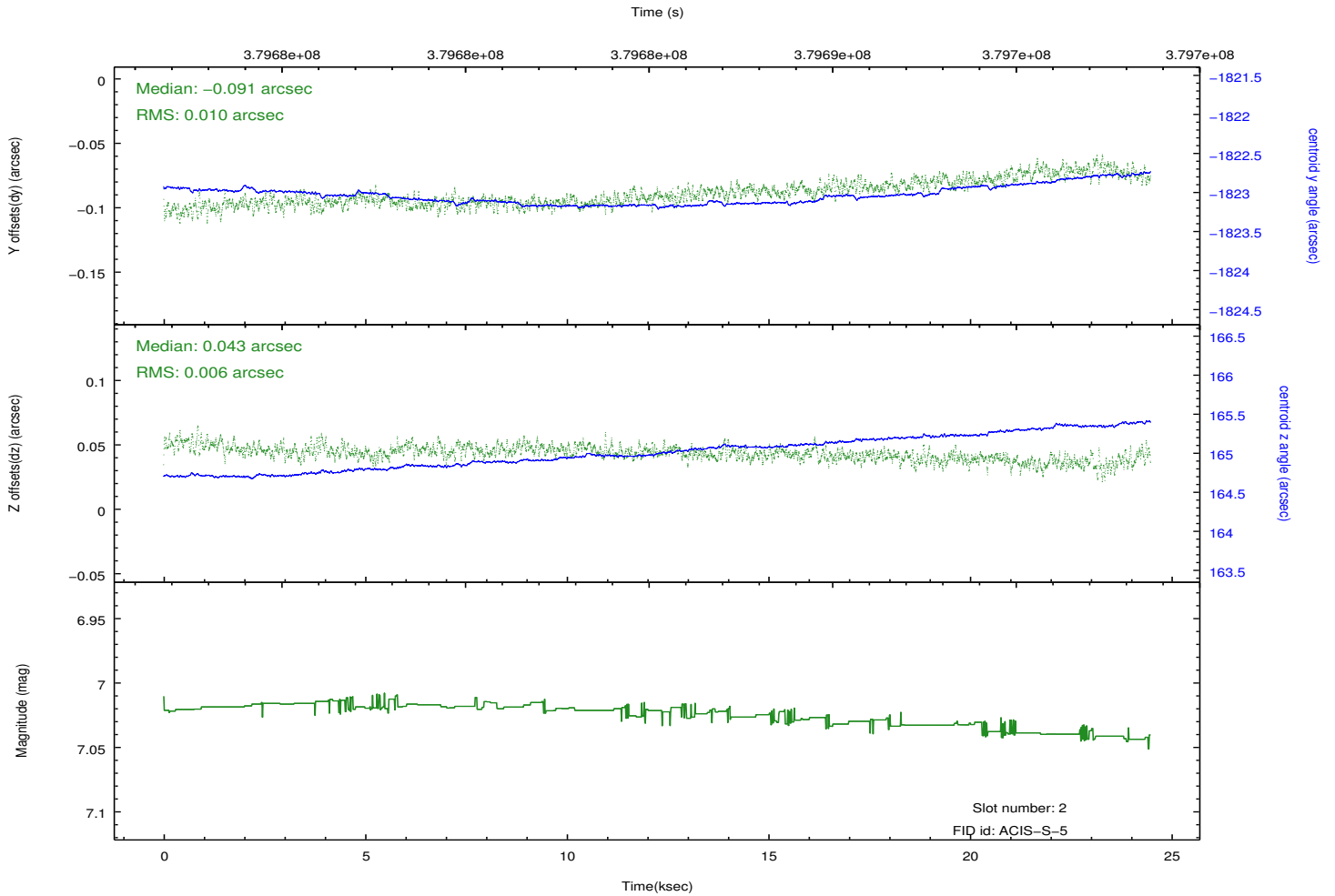
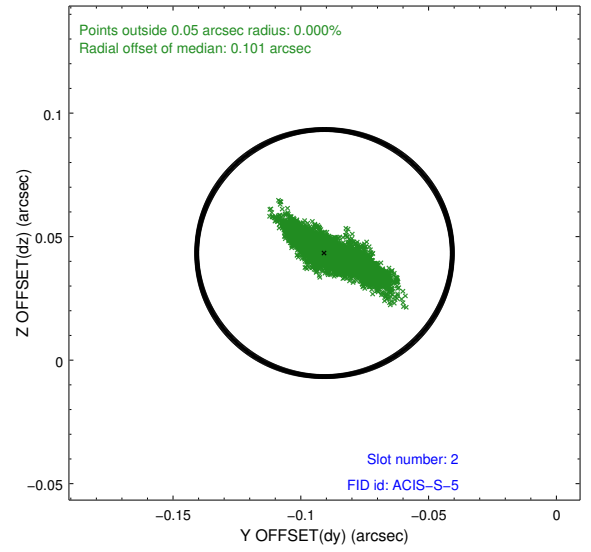
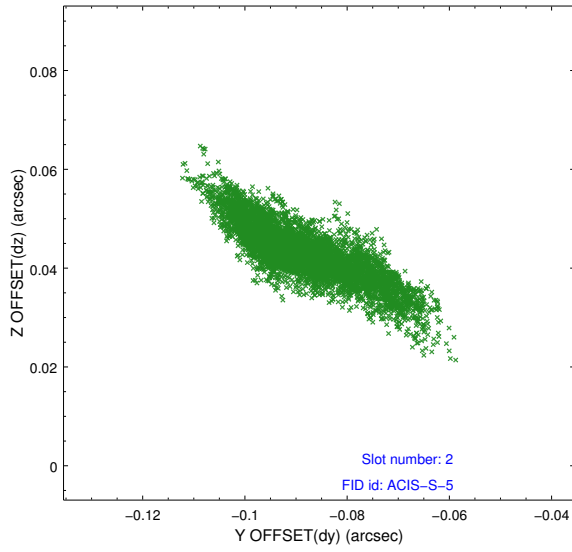
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.473599908888

A.2 Comments

Window constraint met.