

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18105 - L2 Version 1
Chandra X-Ray Center

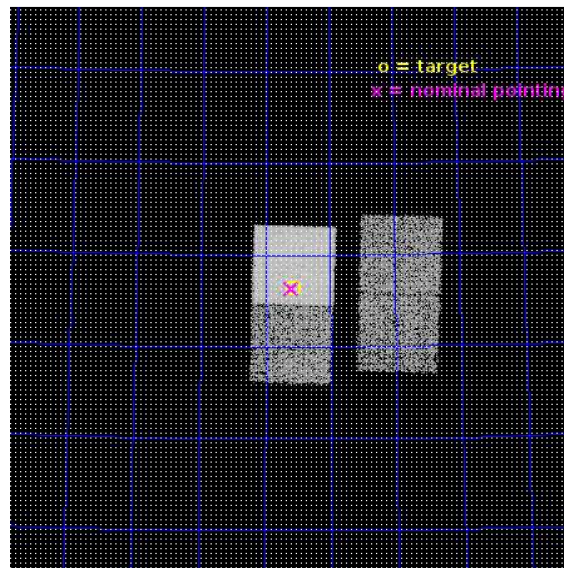
L2 Processing Date : Aug 7 2016

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1 Front

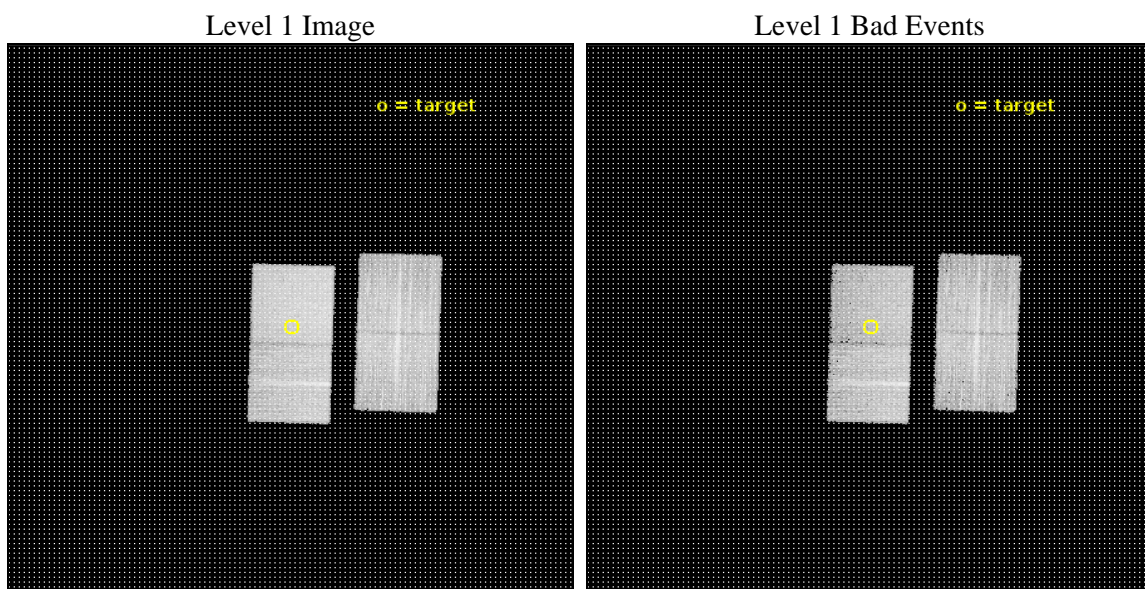
seq_num	703171	Sequence number
obs_id	18105	Observation id
title	Extending the Extragalactic 3CR Chandra Survey to z=1.5	Proposal t
observer	Francesco Massaro	Principal investigator
object	3CR 305.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.789167	Observer's specified target RA [deg]
dec_targ	76.939361	Observer's specified target Dec [deg]
ra_nom	221.80021936182	Nominal RA [deg]
dec_nom	76.939073008163	Nominal Dec [deg]
roll_nom	271.80876542748	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12070.301895261	Sum of GTIs [s]
livetime	11912.594514972	Livetime [s]
ontime2	12070.178775311	Sum of GTIs [s]
ontime3	12070.219815254	Sum of GTIs [s]
ontime6	12070.260855317	Sum of GTIs [s]
ontime7	12070.301895261	Sum of GTIs [s]
l2events	62169	Number of level 2 events



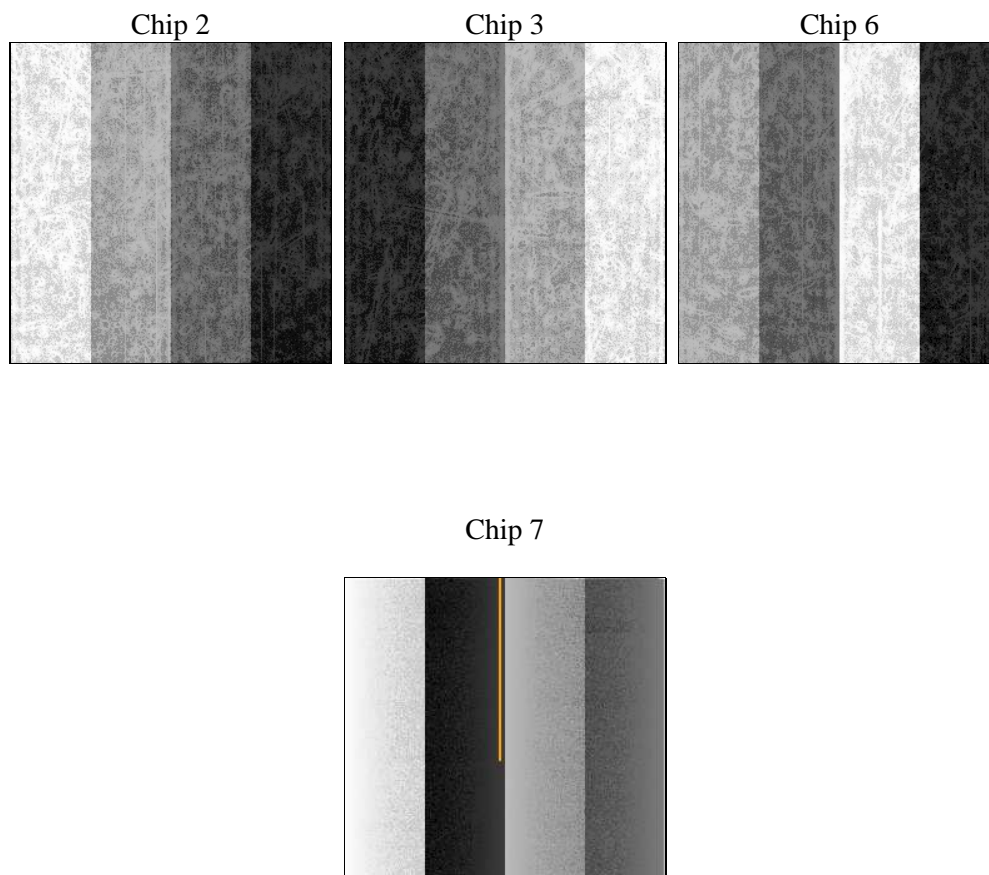
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.769000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	12070.301895261	Sum of GTIs [s]
caldbver	4.7.2	 	ontime2	12070.178775311	Sum of GTIs [s]
date	2016-08-07T18:59:22	Date and time of file creation	ontime3	12070.219815254	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12070.260855317	Sum of GTIs [s]
			ontime7	12070.301895261	Sum of GTIs [s]
			l1events	332728	Number of level 1 events

2.1.4 Events

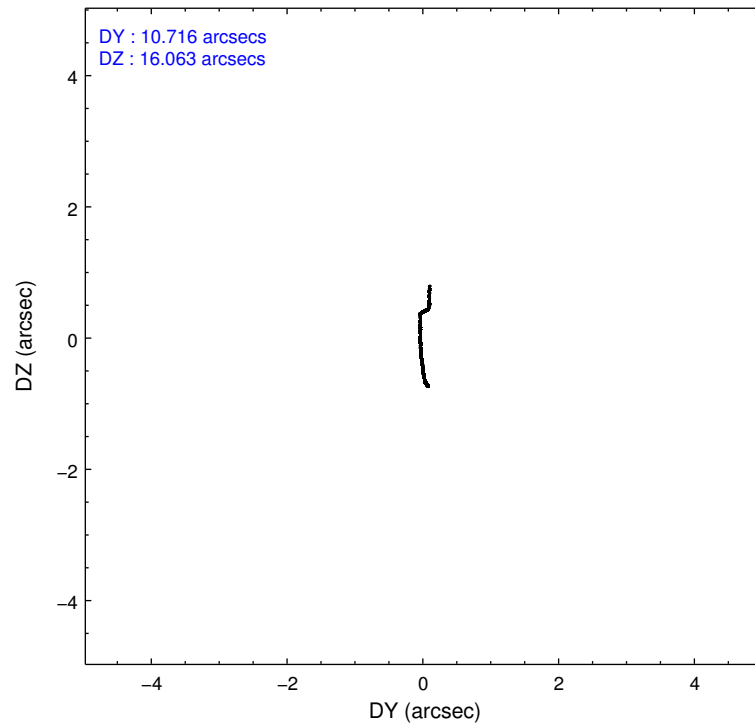
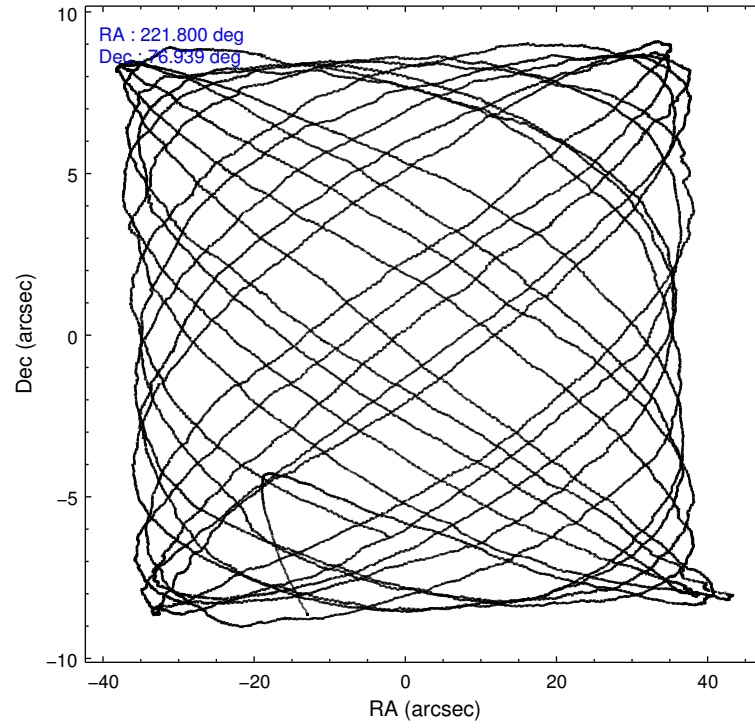
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	77714	74579	81107	99328
rejected events	69904	66635	72319	57509
rejected %	89%	89%	89%	57%

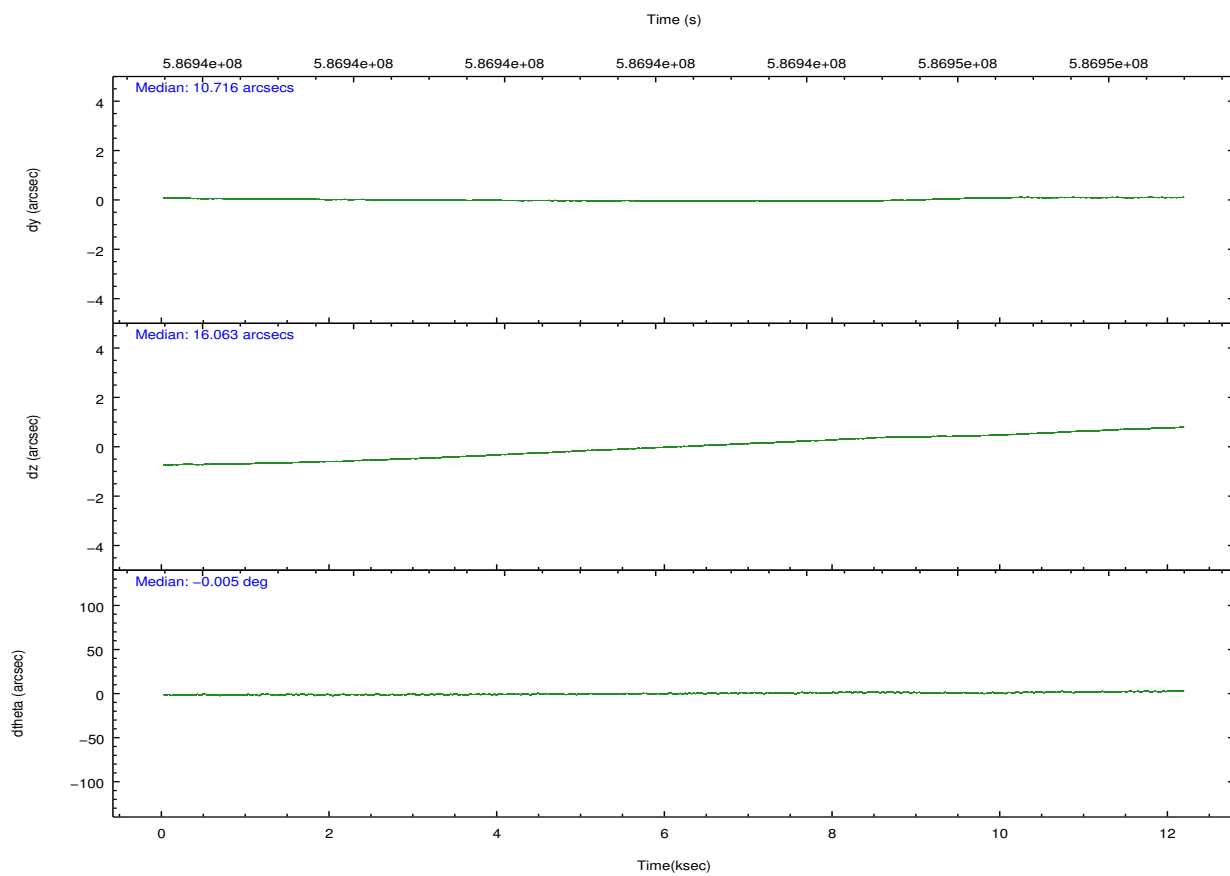
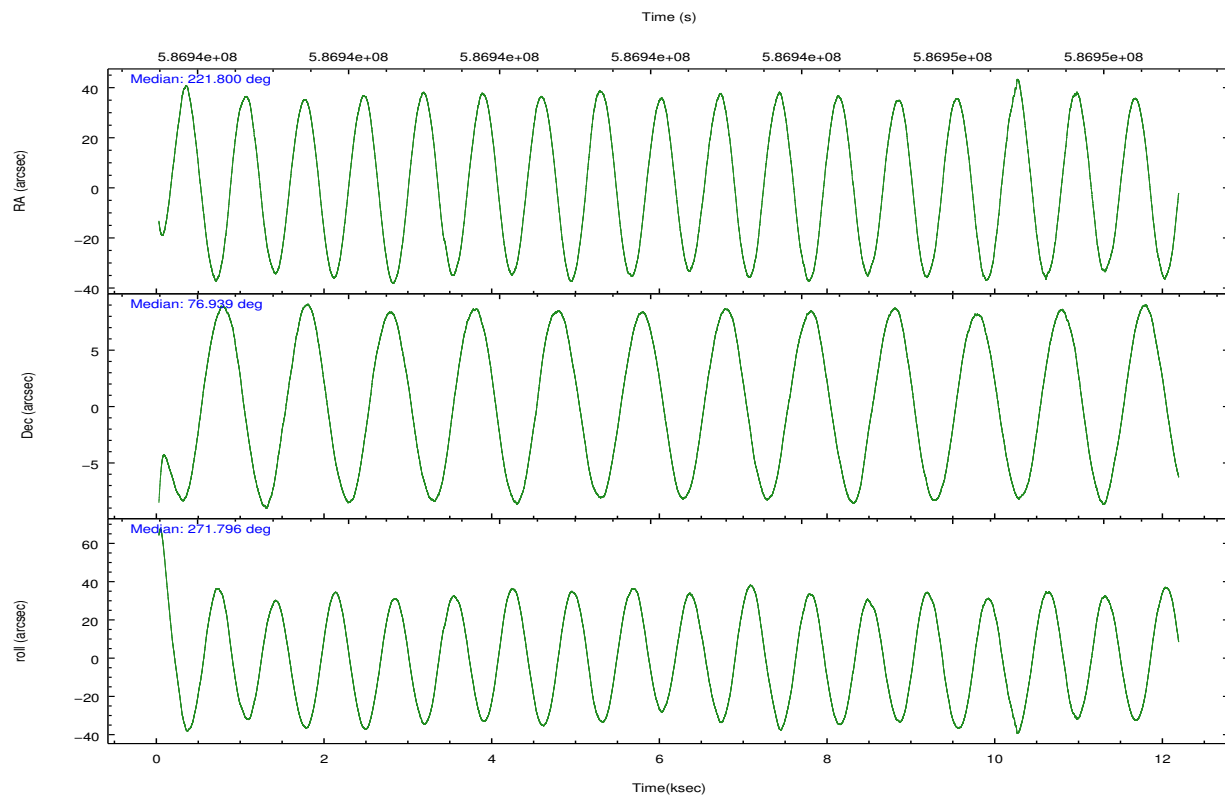
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2754	2830	2703	3326
	3%	3%	3%	3%
grade 1 events	38	34	31	124
	0%	0%	0%	0%
grade 2 events	1861	1700	2189	8719
	2%	2%	2%	8%
grade 3 events	745	877	841	3107
	0%	1%	1%	3%
grade 4 events	855	865	828	2988
	1%	1%	1%	3%
grade 5 events	2877	3528	3420	9501
	3%	4%	4%	9%
grade 6 events	1598	1673	2231	23694
	2%	2%	2%	23%
grade 7 events	66986	63072	68864	47869
	86%	84%	84%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	221.734756	221.8002193618165	CCD I2 on	O1	Y
[deg] Pointing Dec	76.962217	76.93907300816304	CCD I3 on	O2	Y
[deg] Pointing Roll	271.715889	271.8087654274821	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[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	N	N
[s] Observation start time (MET)	586936322.184000	586935094.71984	CCD S5 on	N	N
Observation start date	2016-08-07T05:50:54	2016-08-07T05:31:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	586948323.184000	586948546.30811	On-chip summing requested	N	N
Observation end date	2016-08-07T09:10:55	2016-08-07T09:15:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



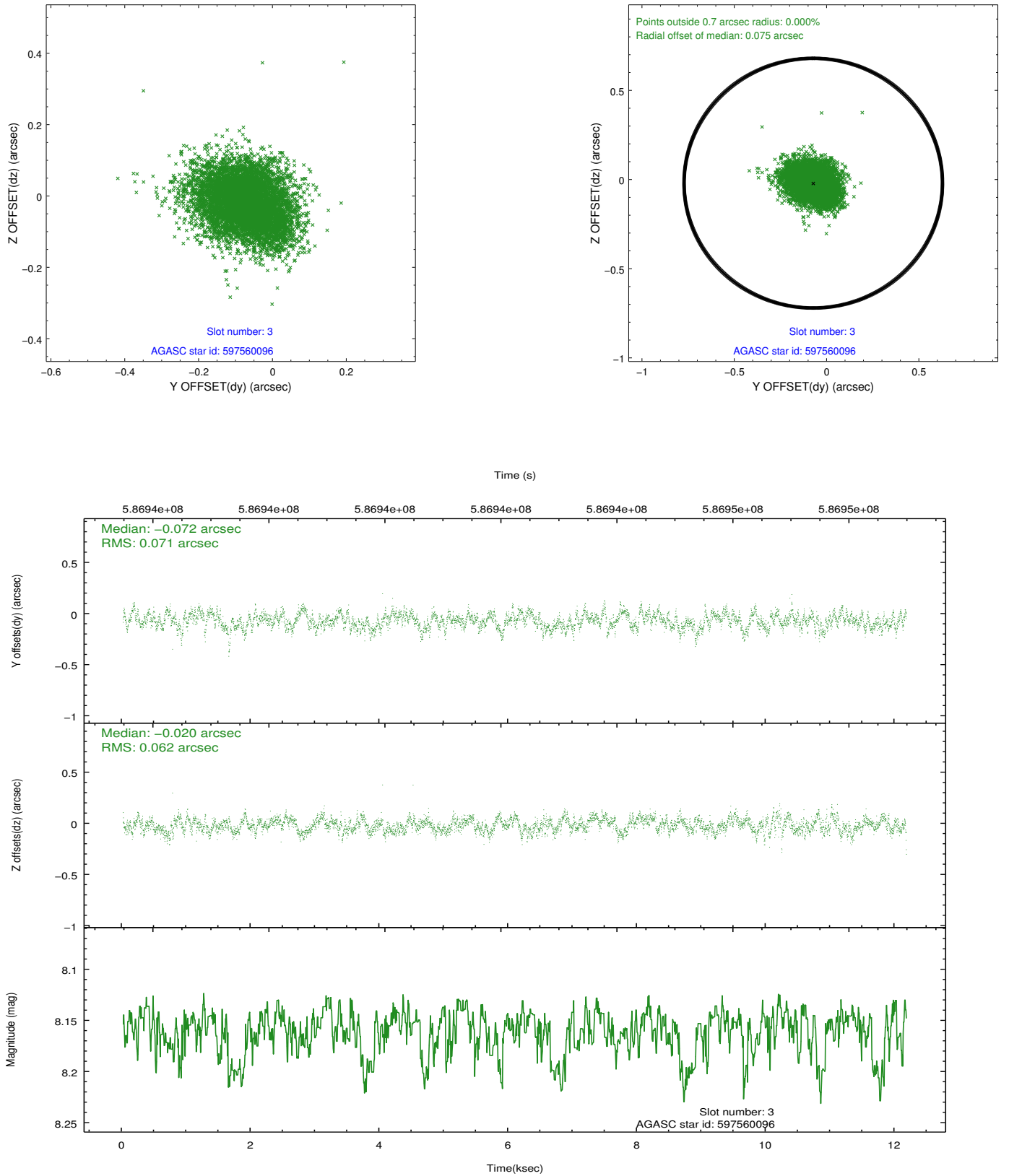


Slot Statistics

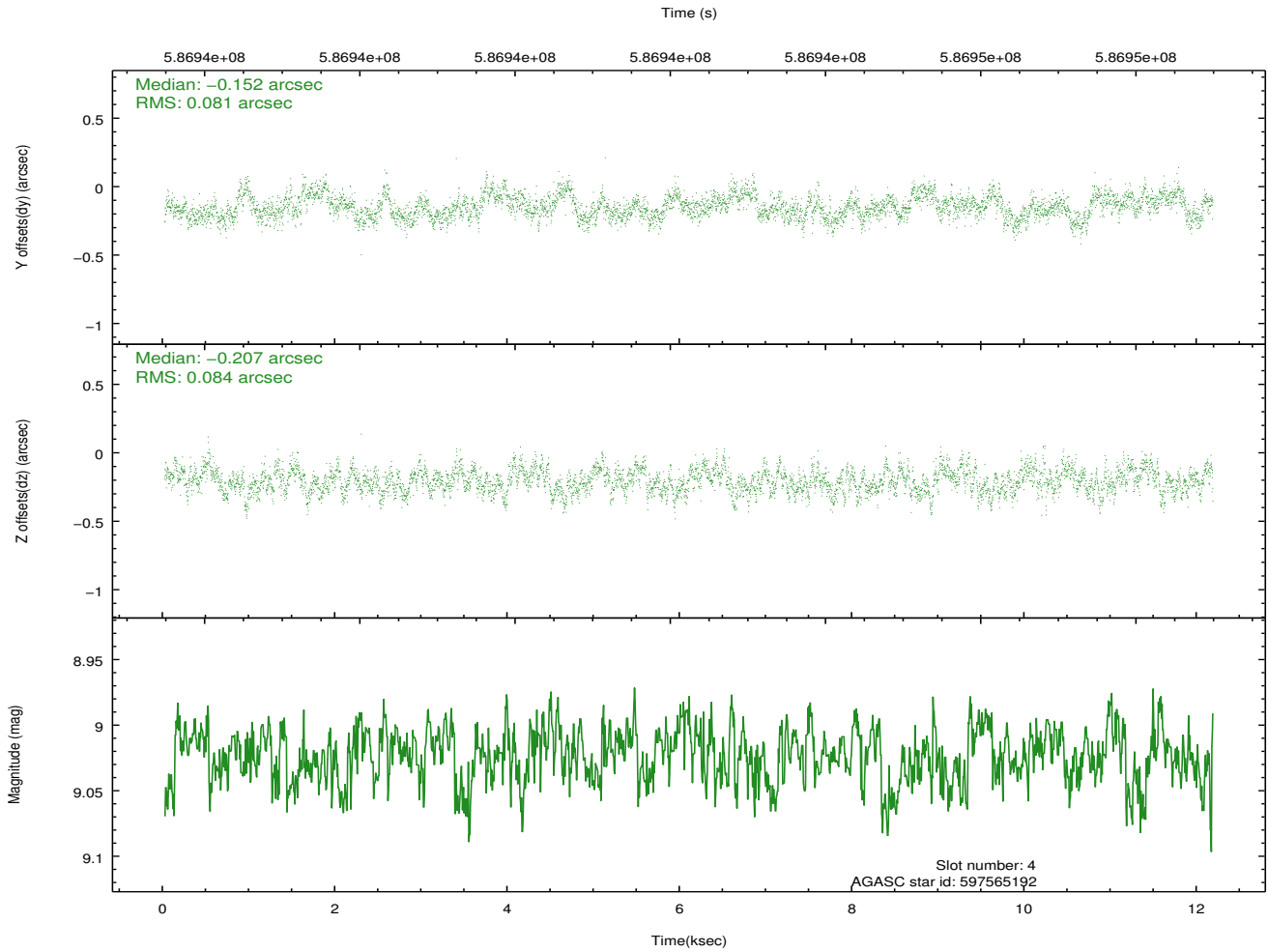
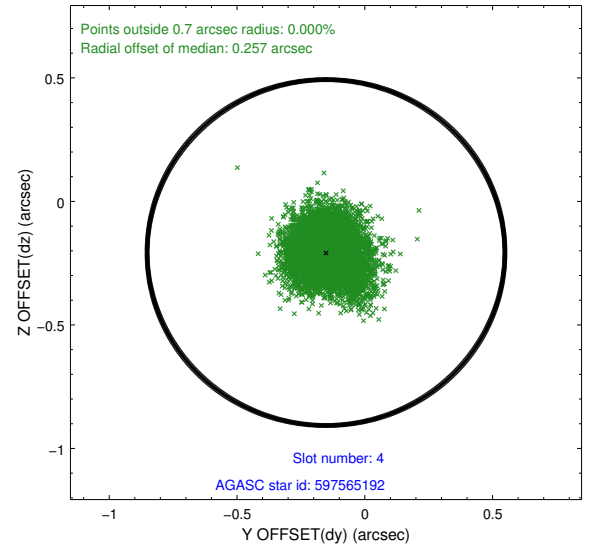
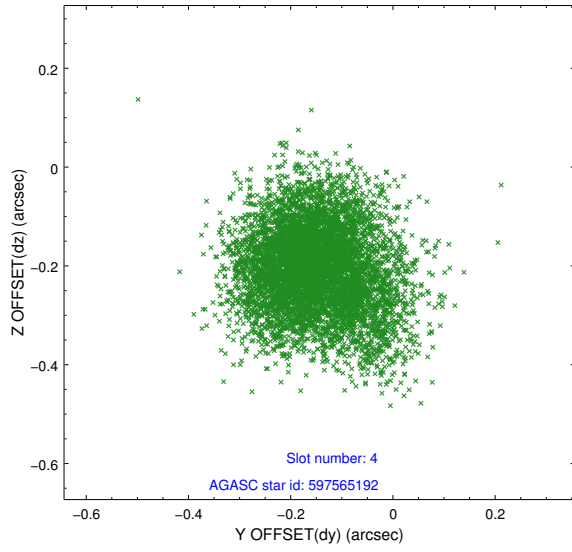
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	2967	-0.153	-0.047	0.014	0.023	0.000000	0.000000	-763.71	-1737.46
1	FID		ACIS-S-4	7.24	2967	0.361	0.086	0.010	0.018	0.000000	0.000000	2149.87	170.76
2	FID		ACIS-S-5	7.24	2968	-0.240	-0.031	0.013	0.020	0.000000	0.000000	-1816.14	164.74
3	GUIDE	used	597560096	8.16	5934	-0.072	-0.020	0.100	0.162	222.943002	77.411446	-1598.11	996.27
4	GUIDE	used	597565192	9.02	5924	-0.152	-0.207	0.125	0.201	221.887129	76.820918	512.30	109.79
5	GUIDE	used	597565320	9.12	5928	0.148	0.205	0.183	0.288	222.810215	77.471518	-1815.11	894.81
6	GUIDE	used	597557280	9.15	5930	-0.207	-0.088	0.143	0.220	222.976589	76.317341	2339.88	988.19
7	GUIDE	used	597560704	9.80	5932	0.295	0.108	0.202	0.318	220.249914	76.617485	1188.90	-1272.28

2.4 Star Slots

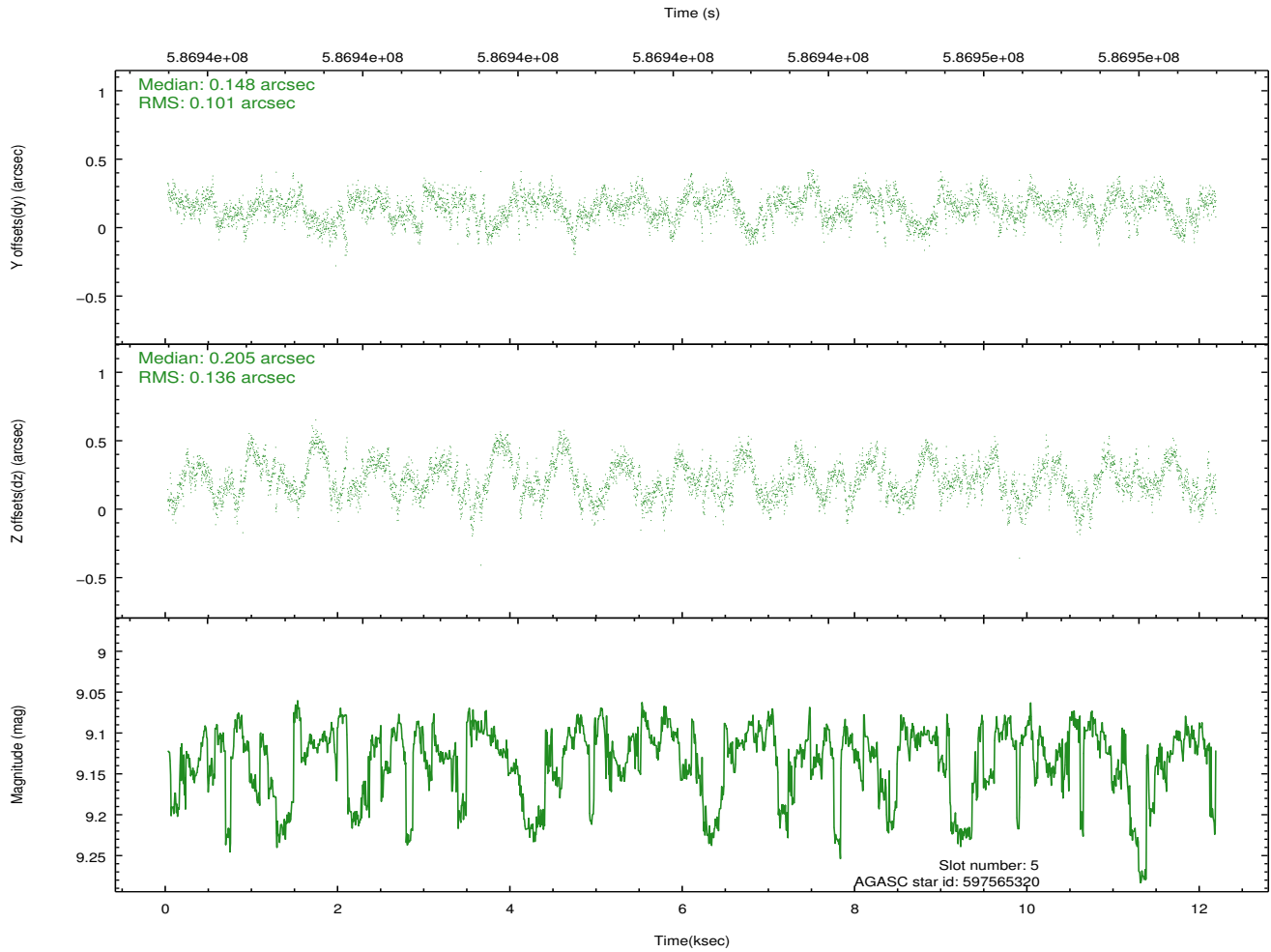
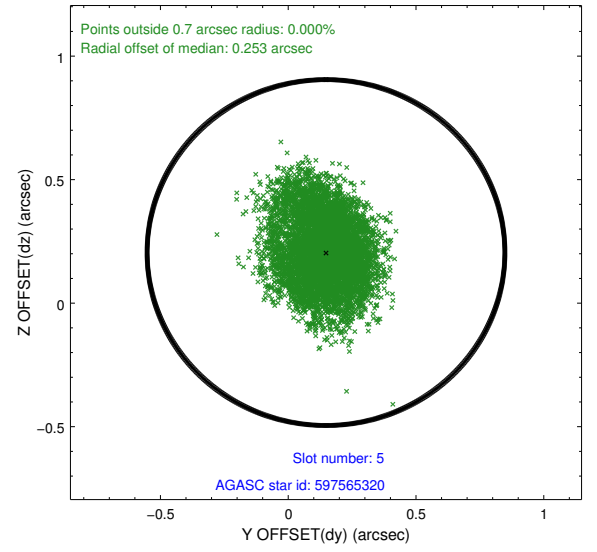
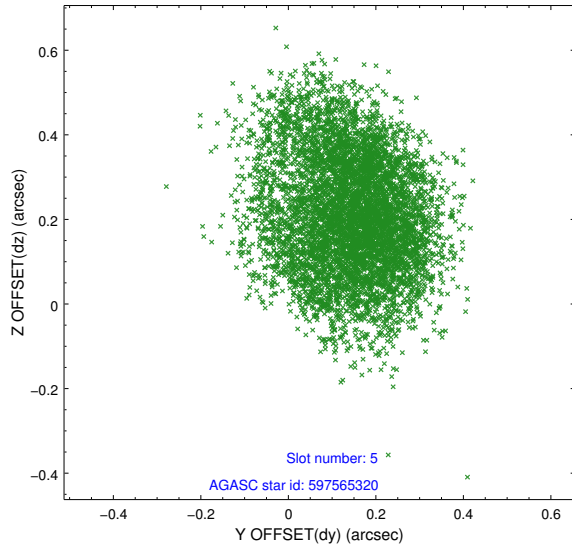
2.4.1 Slot 3



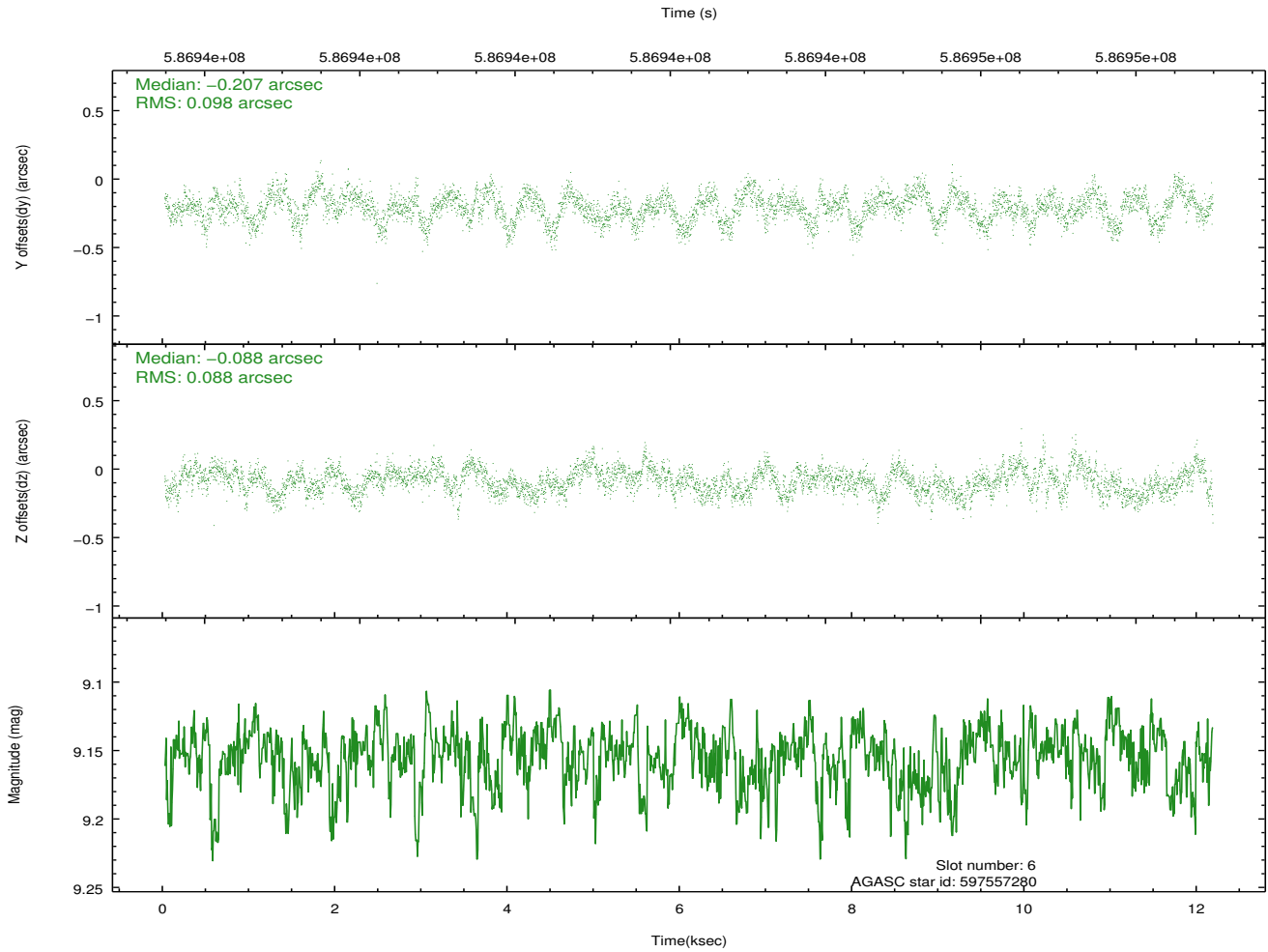
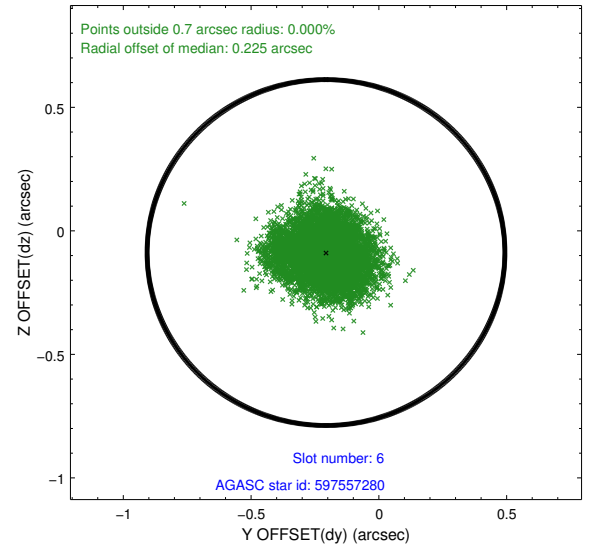
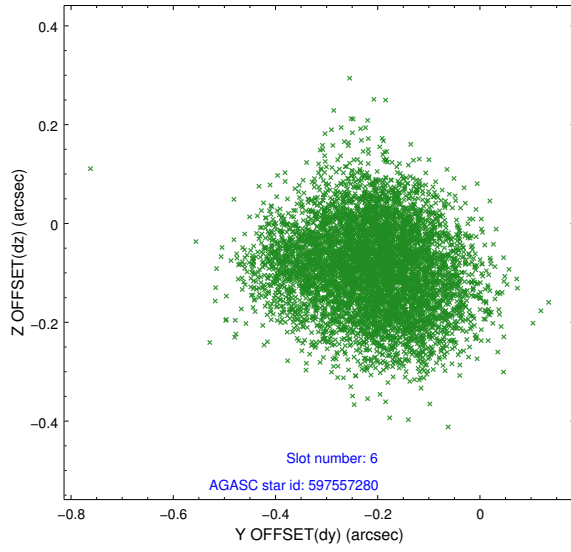
2.4.2 Slot 4



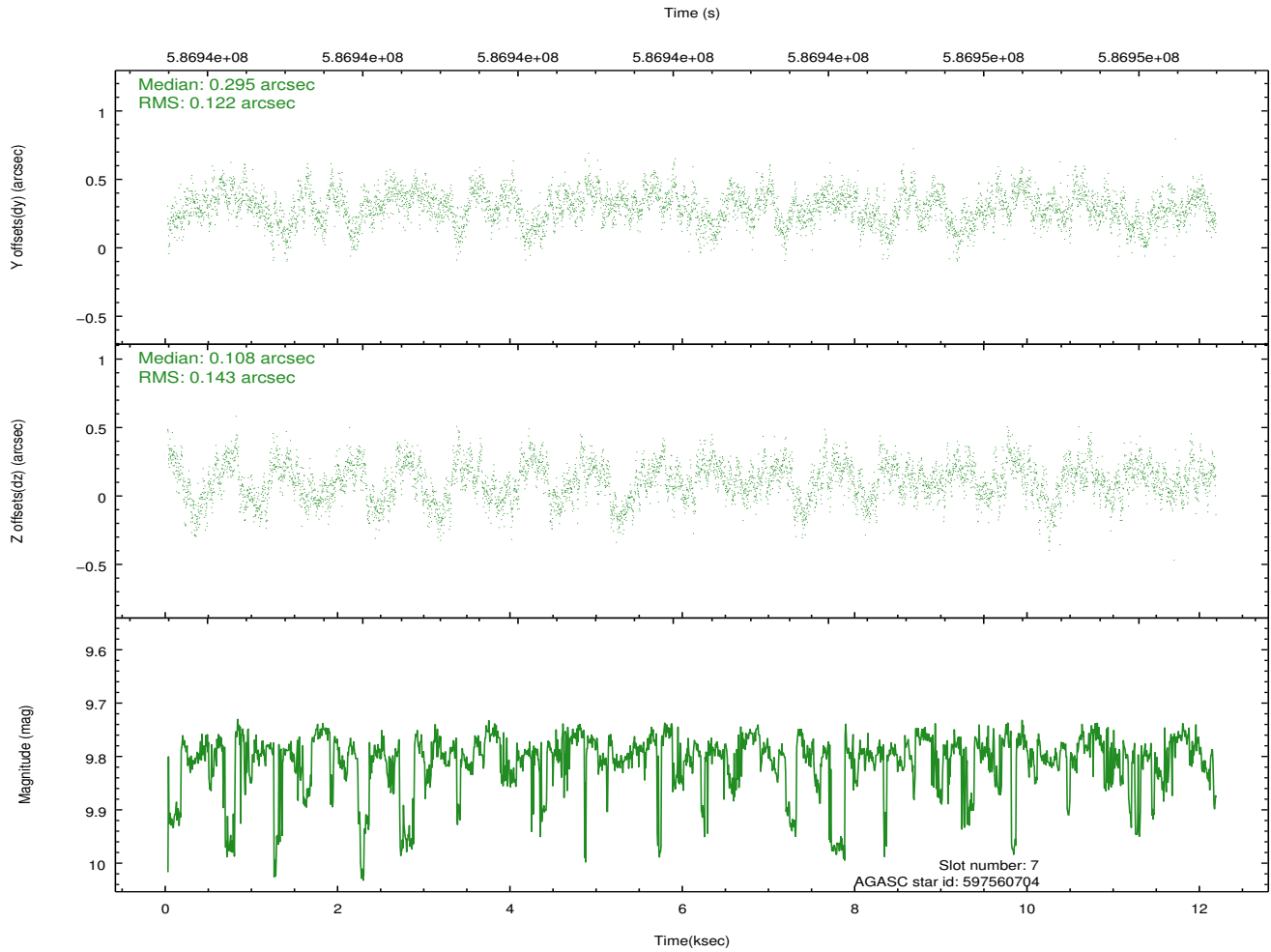
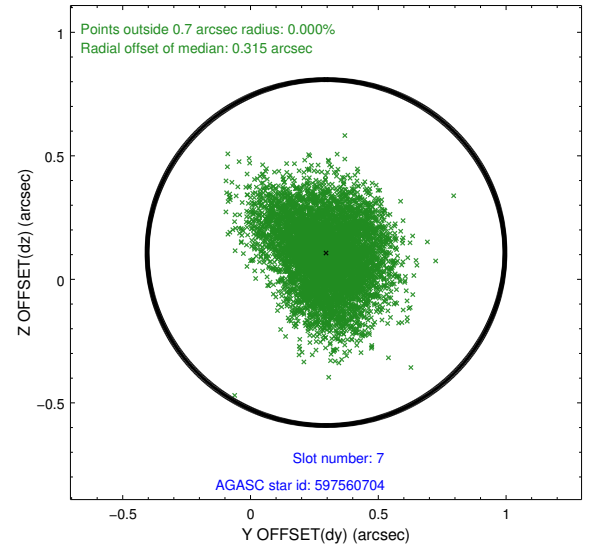
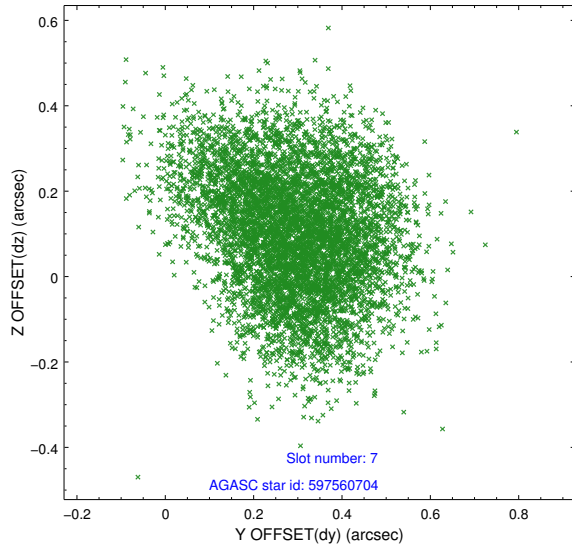
2.4.3 Slot 5



2.4.4 Slot 6

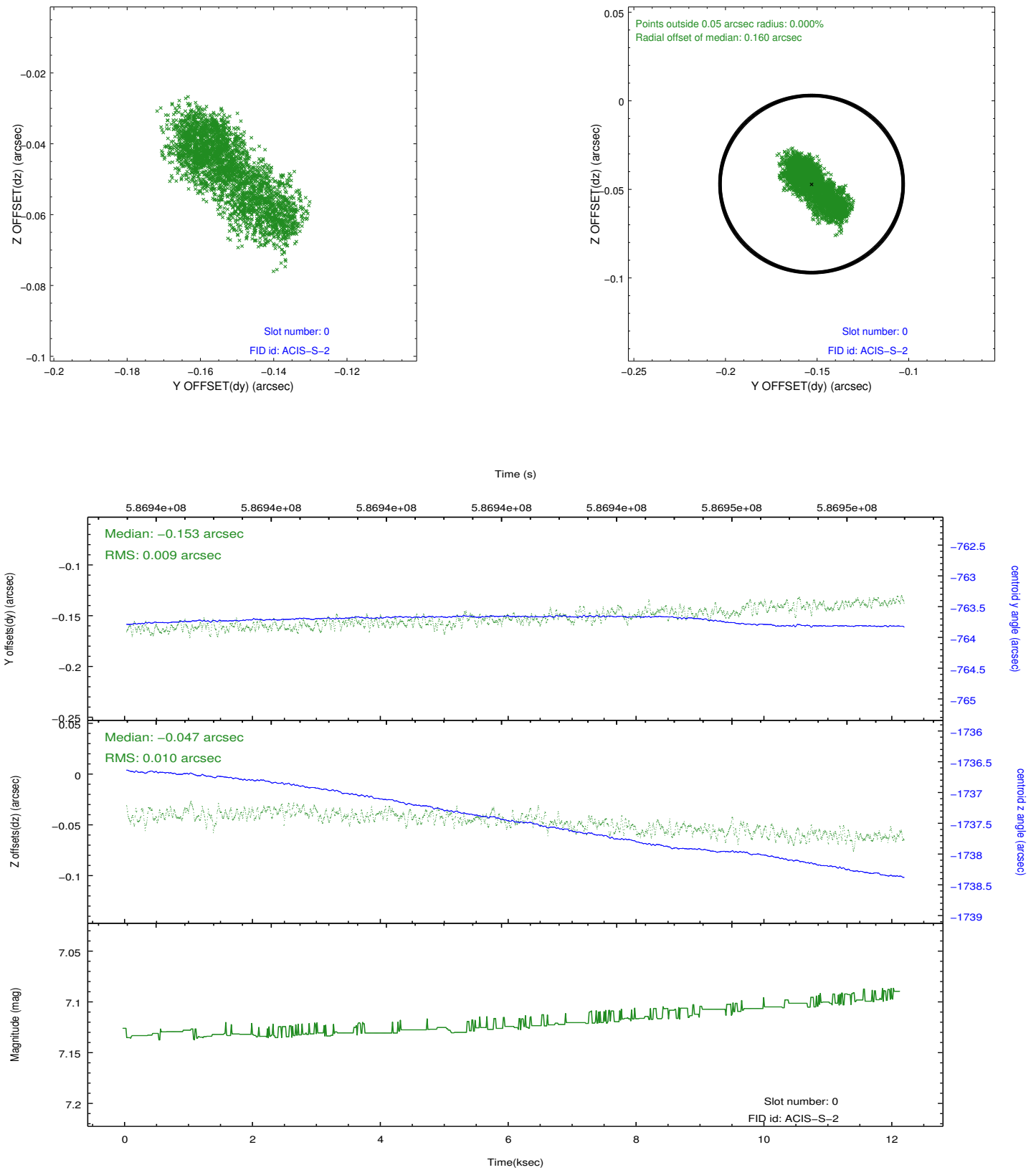


2.4.5 Slot 7

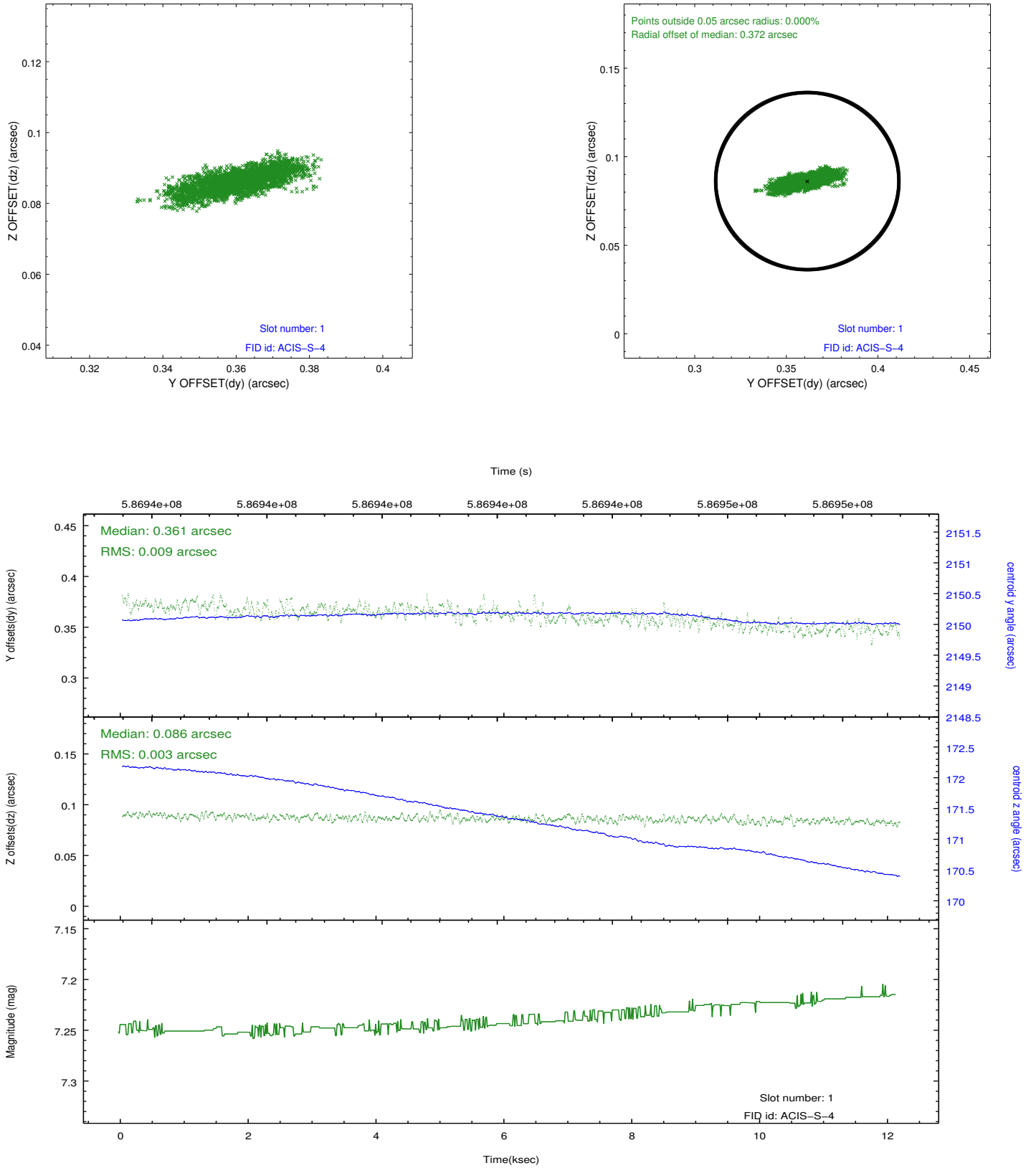


2.5 FID Slots

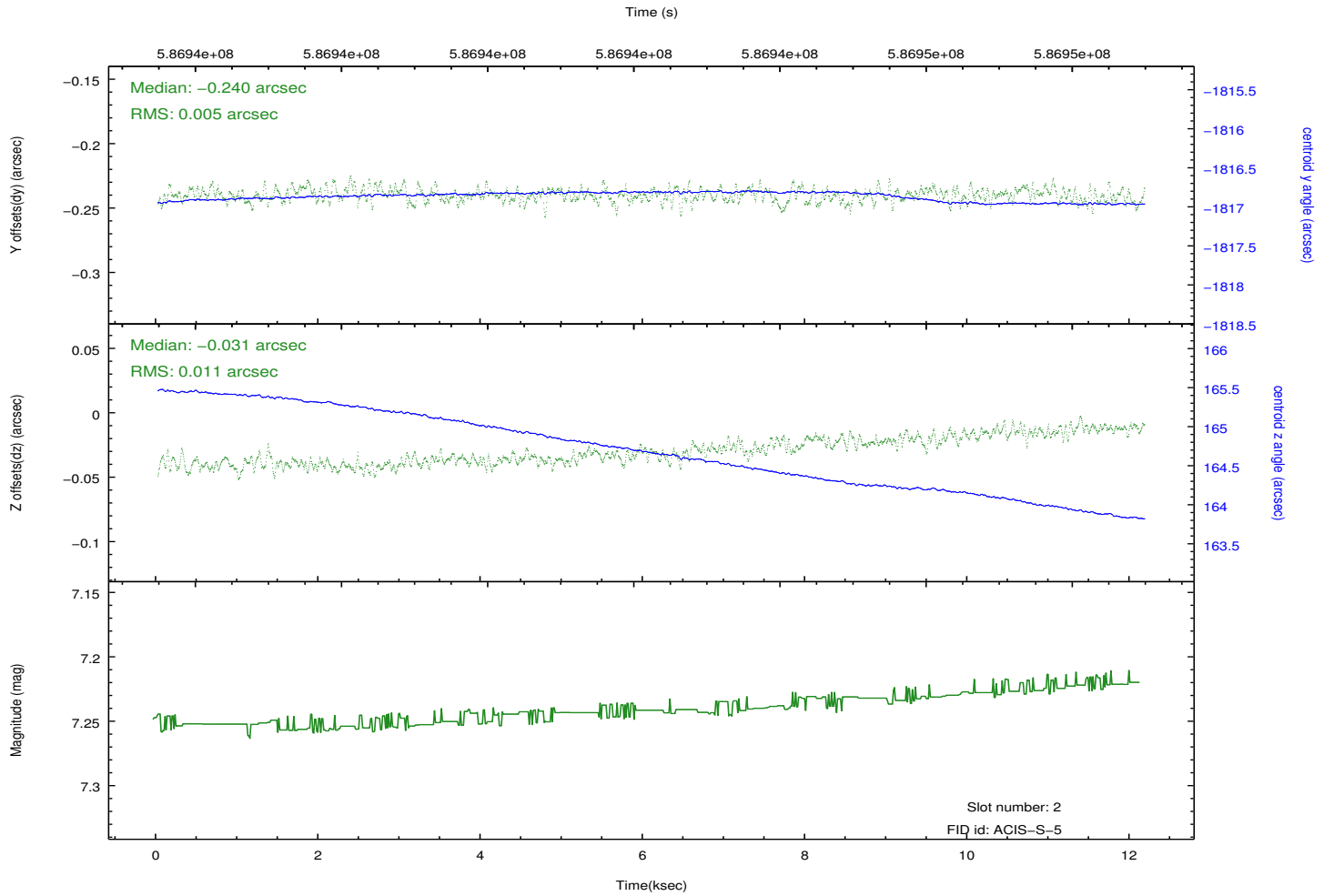
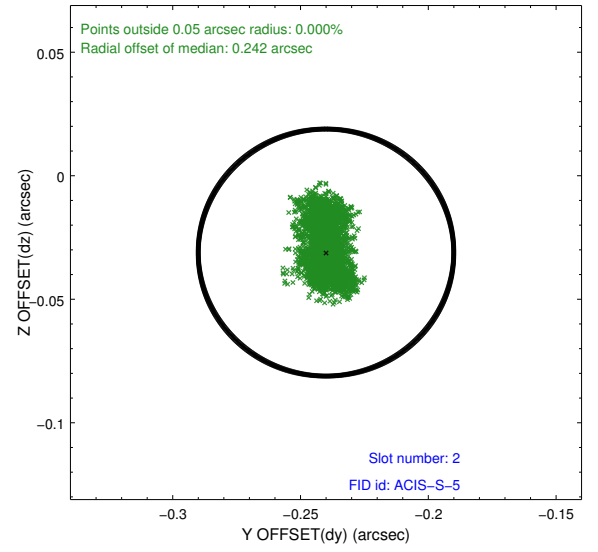
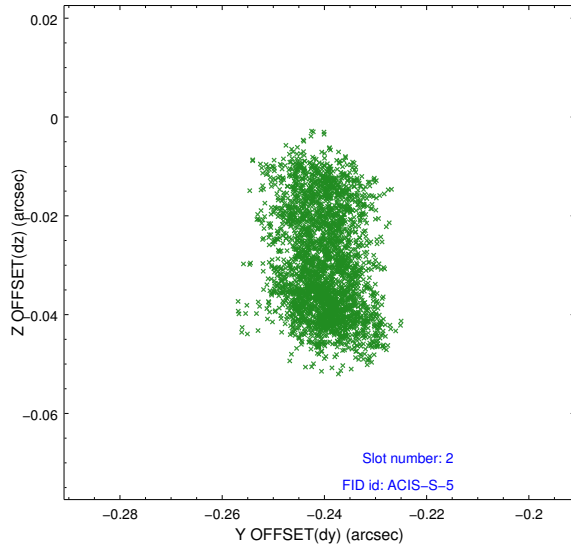
2.5.1 Slot 0



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)	2016.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.070301895261

A.2 Comments