

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19344 - L2 Version 1
Chandra X-Ray Center

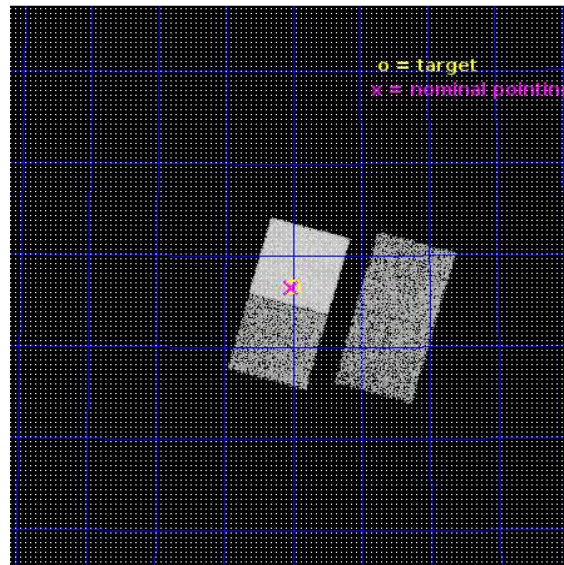
L2 Processing Date : Jul 28 2017

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1 Front

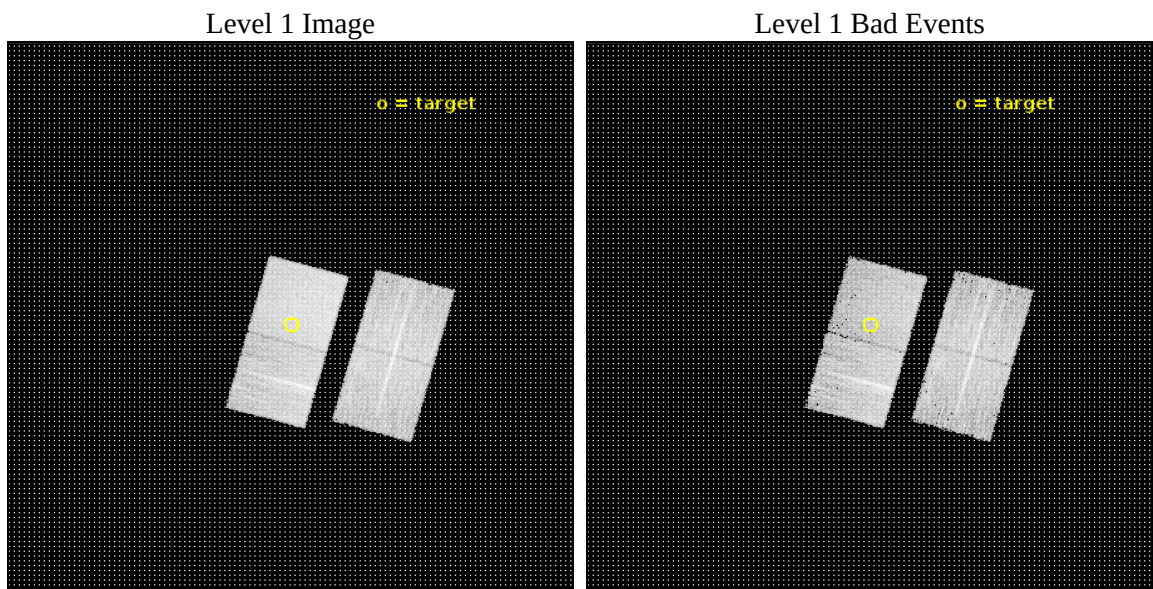
seq_num	601301	Sequence number
obs_id	19344	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 4605	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	189.9975	Observer's specified target RA [deg]
dec_targ	61.609194	Observer's specified target Dec [deg]
ra_nom	190.00547442248	Nominal RA [deg]
dec_nom	61.608169424235	Nominal Dec [deg]
roll_nom	285.5450395578	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9802.2000755072	Sum of GTIs [s]
livetime	9674.1271152459	Livetime [s]
ontime2	9802.2000755072	Sum of GTIs [s]
ontime3	9802.2000755072	Sum of GTIs [s]
ontime6	9802.2000755072	Sum of GTIs [s]
ontime7	9802.2000755072	Sum of GTIs [s]
l2events	55829	Number of level 2 events



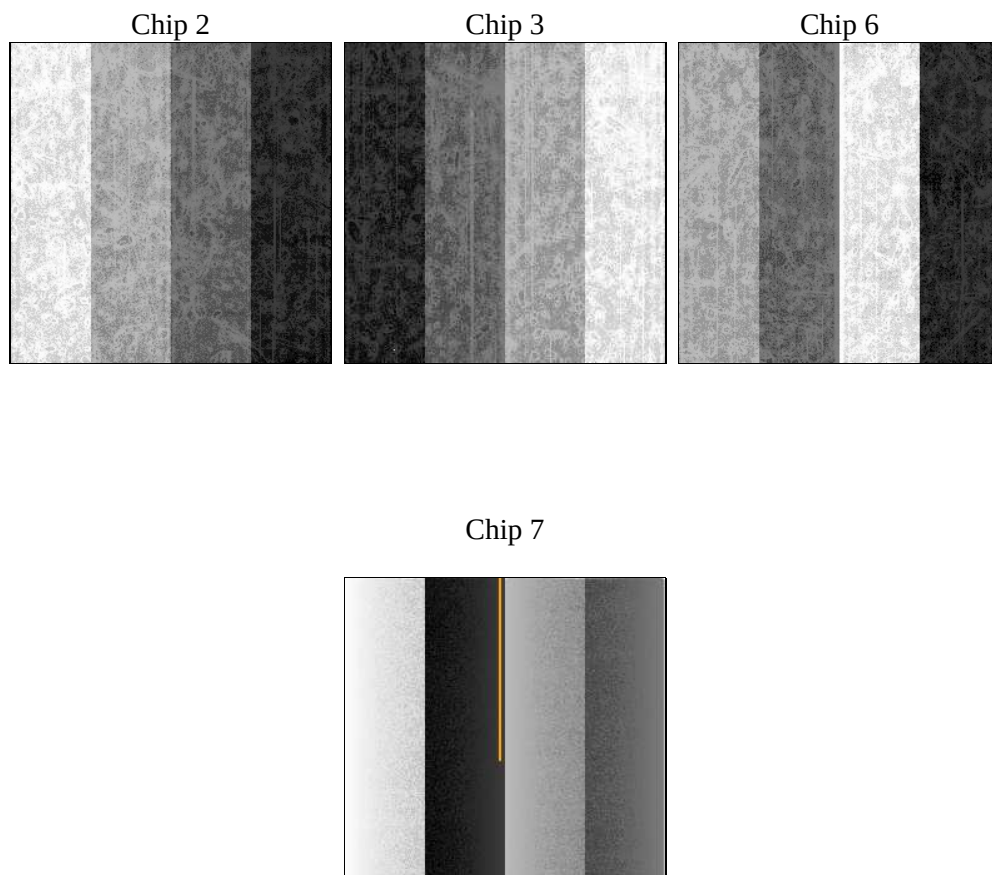
2 OBI

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	10.6	Processing system revision	ontime	9802.2000755072	Sum of GTIs [s]
caldsver	4.7.5	 	ontime2	9802.2000755072	Sum of GTIs [s]
date	2017-07-28T23:36:51	Date and time of file creation	ontime3	9802.2000755072	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	9802.2000755072	Sum of GTIs [s]
			ontime7	9802.2000755072	Sum of GTIs [s]
			l1events	276094	Number of level 1 events

2.1.4 Events

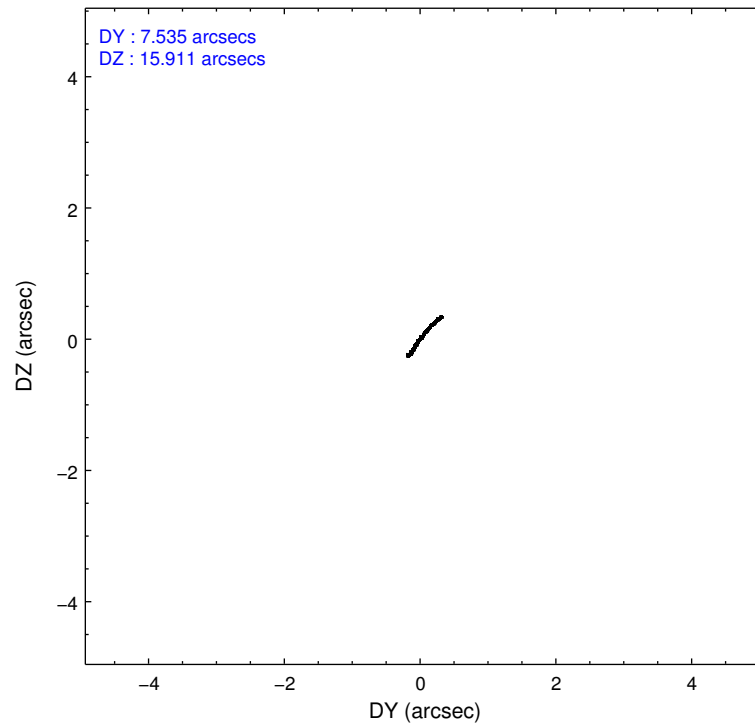
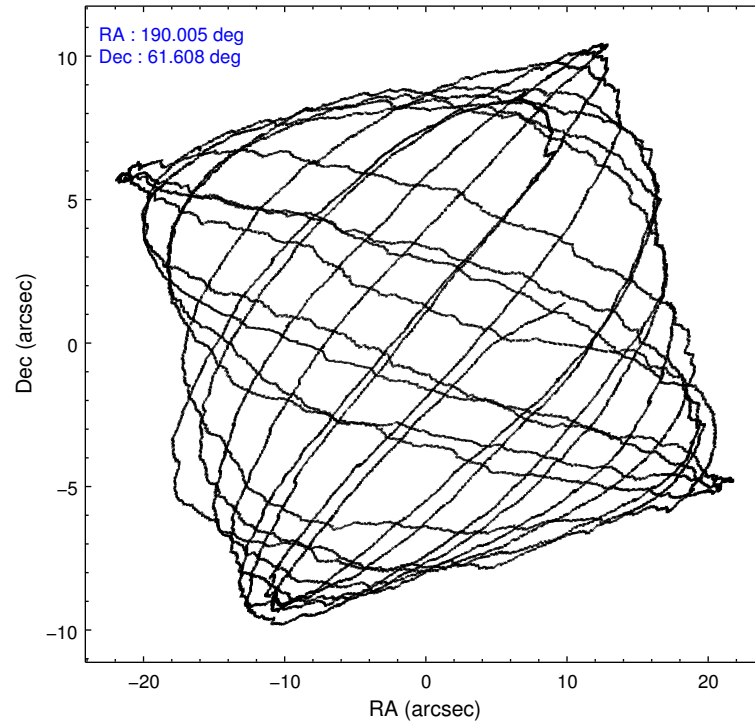
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	62101	63590	65879	84524
rejected events	54592	56152	58113	47256
rejected %	87%	88%	88%	55%

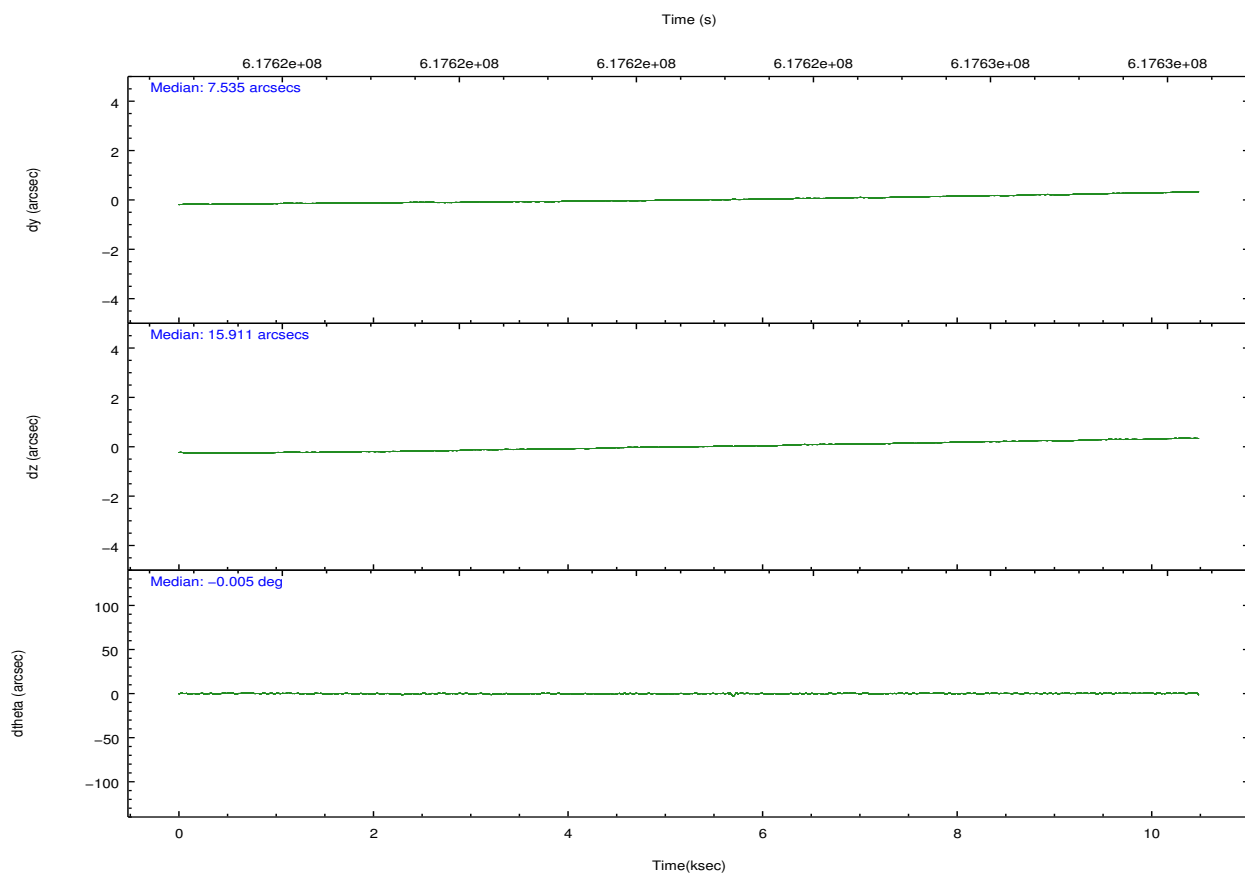
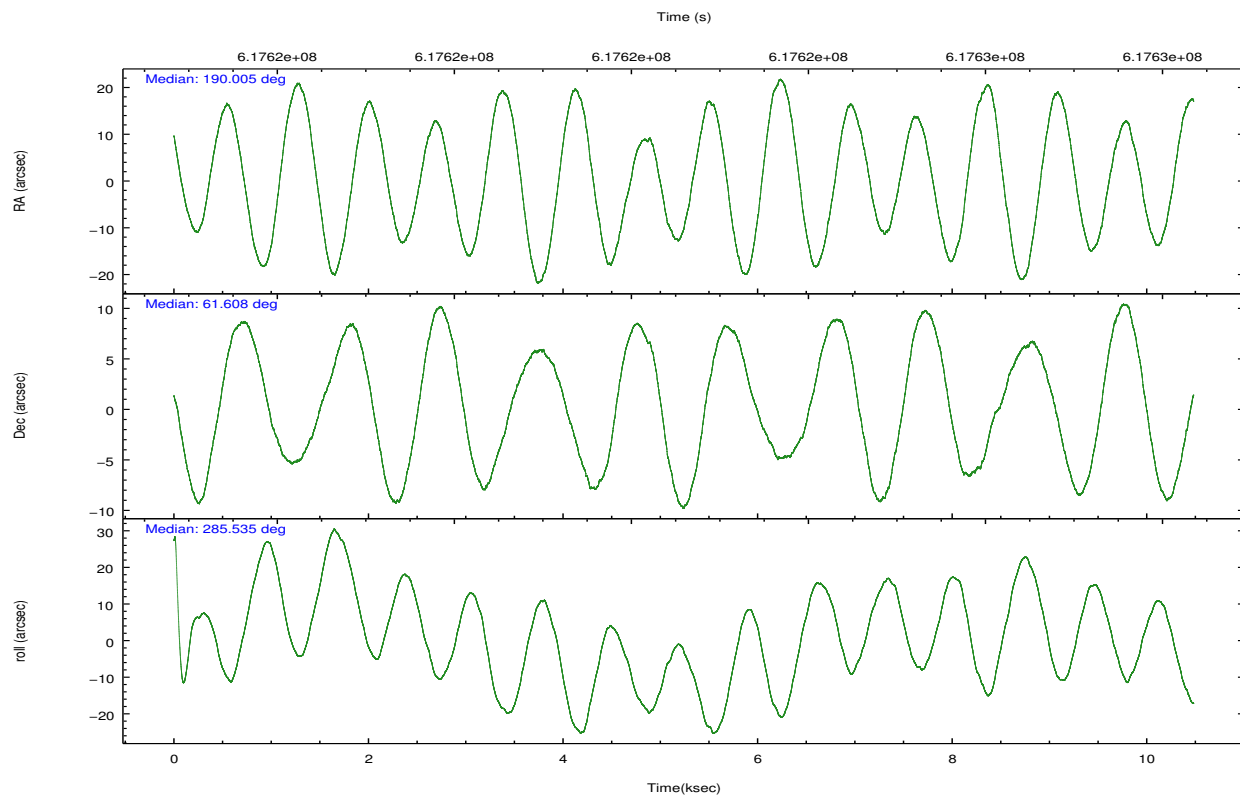
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2674	2781	2681	3228
	4%	4%	4%	3%
grade 1 events	43	38	31	124
	0%	0%	0%	0%
grade 2 events	1871	1666	1781	7898
	3%	2%	2%	9%
grade 3 events	741	751	758	3086
	1%	1%	1%	3%
grade 4 events	747	734	774	3162
	1%	1%	1%	3%
grade 5 events	2826	3204	3261	8649
	4%	5%	4%	10%
grade 6 events	1477	1510	1778	19911
	2%	2%	2%	23%
grade 7 events	51722	52906	54815	38466
	83%	83%	83%	45%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	189.963719	190.0054744224838	Subarray requested	NONE	NONE
[deg] Pointing Dec	61.627181	61.60816942423534	Alternating exposures requested	N	N
[deg] Pointing Roll	285.425145	285.5450395577974	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	617618100.184000	617615957.17149			
Observation start date	2017-07-28T08:33:51	2017-07-28T07:59:17			
[s] Observation end time (MET)	617628100.184000	617628964.42225			
Observation end date	2017-07-28T11:20:31	2017-07-28T11:36:04			
Read mode	TIMED	TIMED			

2.3 Aspect



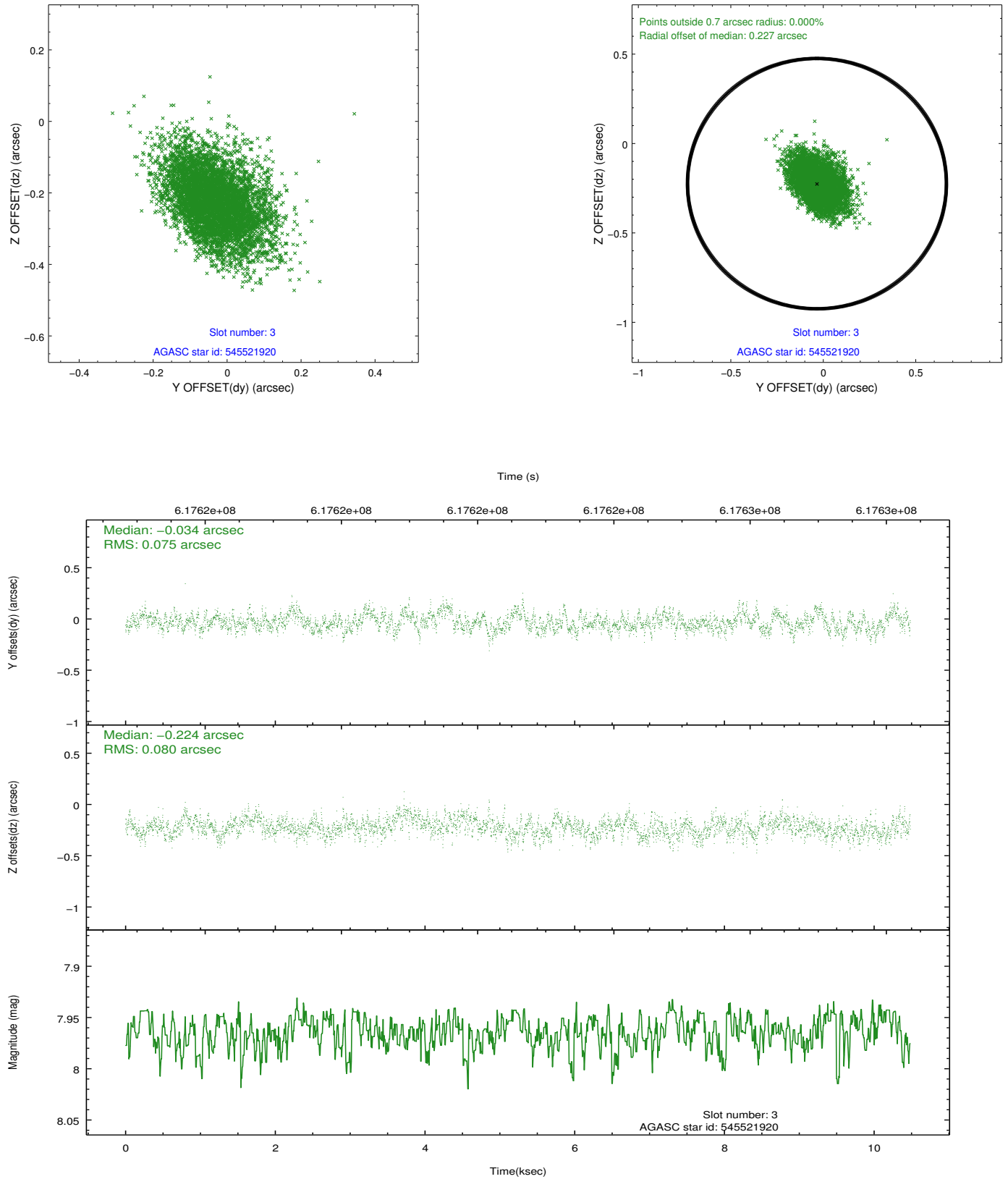


Slot Statistics

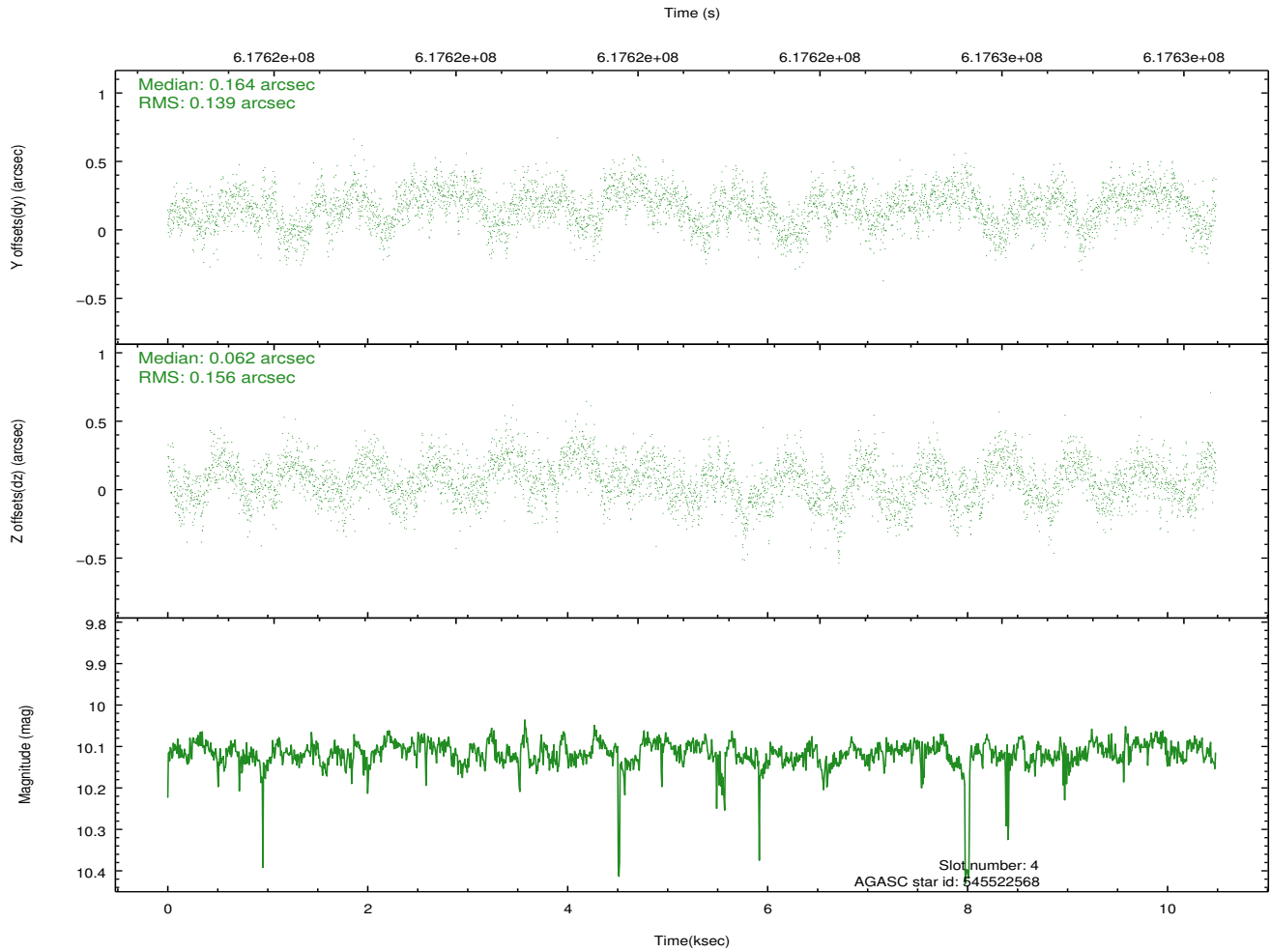
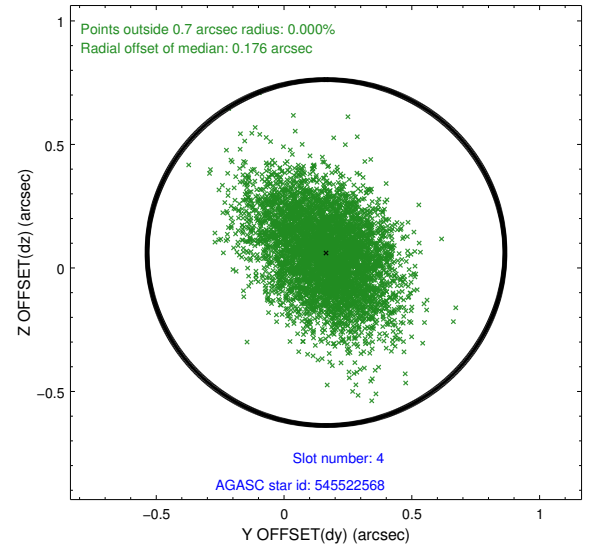
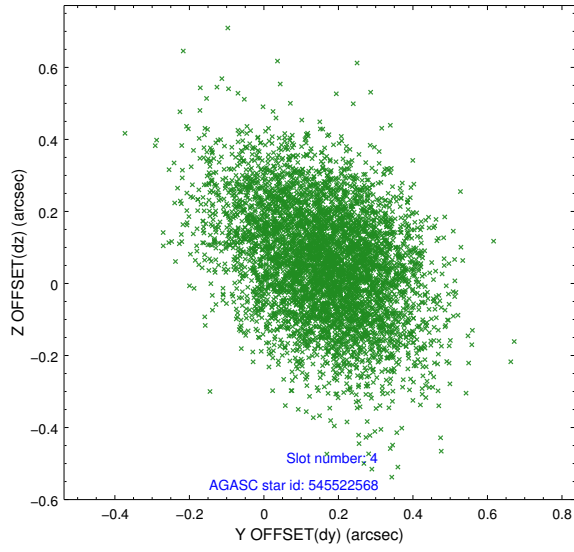
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.87	2557	-0.143	-0.005	0.009	0.014	0.000000	0.000000	-760.44	-1737.35
1	FID		ACIS-S-4	6.99	2557	0.284	0.070	0.007	0.011	0.000000	0.000000	2153.01	170.74
2	FID		ACIS-S-5	6.98	2557	-0.171	-0.056	0.012	0.020	0.000000	0.000000	-1812.70	164.79
3	GUIDE	used	545521920	7.96	5114	-0.034	-0.224	0.115	0.192	190.203465	62.042567	-1334.73	787.78
4	GUIDE	used	545522568	10.11	5100	0.164	0.062	0.219	0.365	190.702830	62.326205	-2104.69	1862.30
5	GUIDE	used	545523632	9.91	5105	0.281	0.358	0.264	0.462	188.952319	61.550910	-209.80	-1741.36
6	GUIDE	used	545525128	7.08	5114	-0.145	0.097	0.200	0.303	189.739897	61.028903	1971.84	-948.60
7	GUIDE	used	545531248	6.11	5114	-0.256	-0.275	0.135	0.236	190.767197	61.155420	1999.50	895.10

2.4 Star Slots

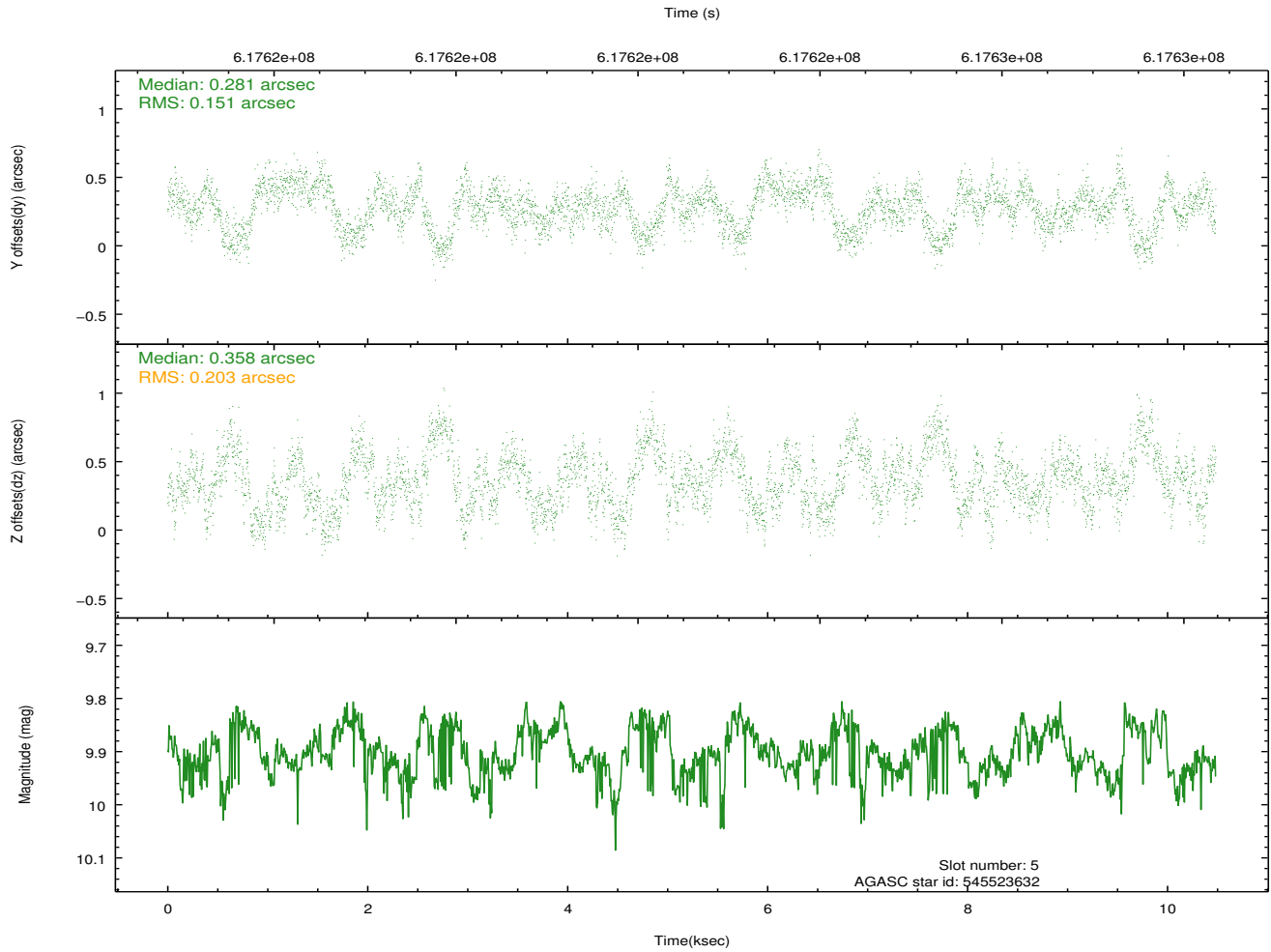
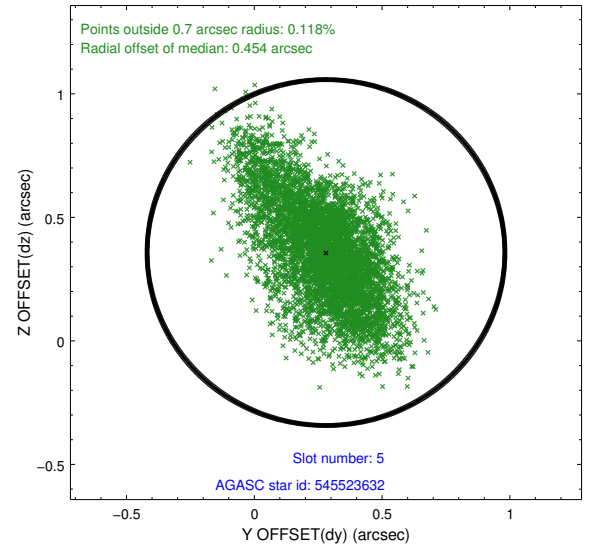
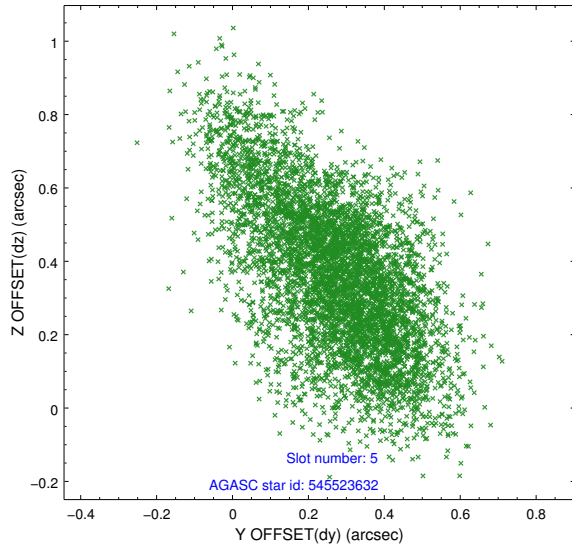
2.4.1 Slot 3



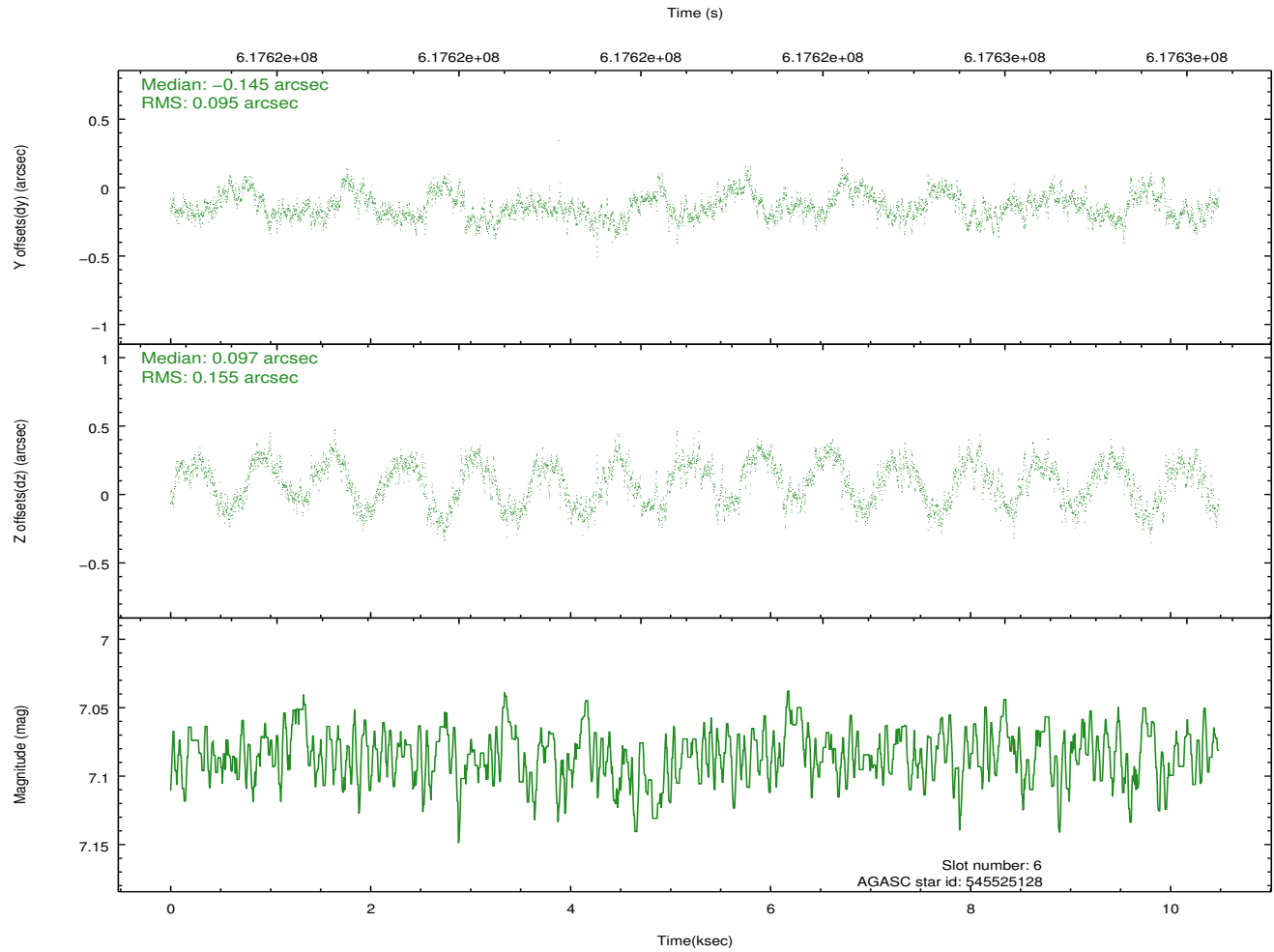
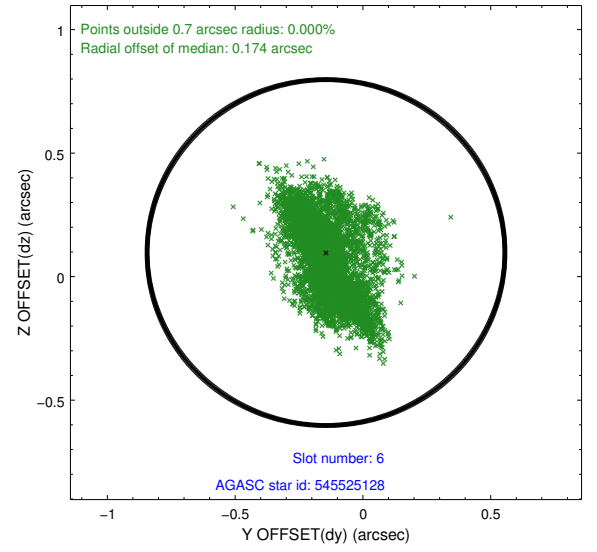
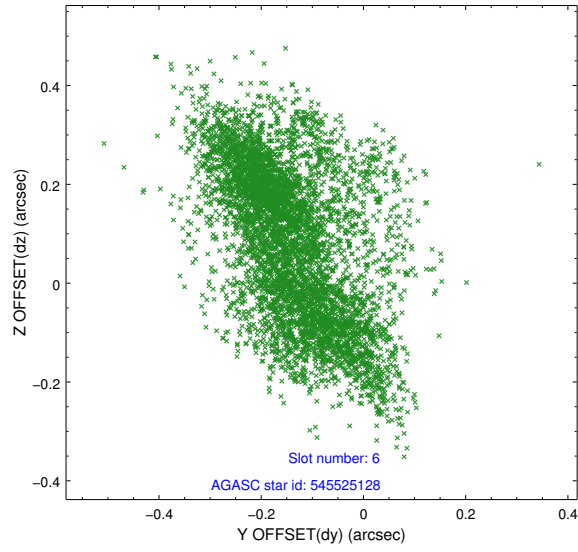
2.4.2 Slot 4



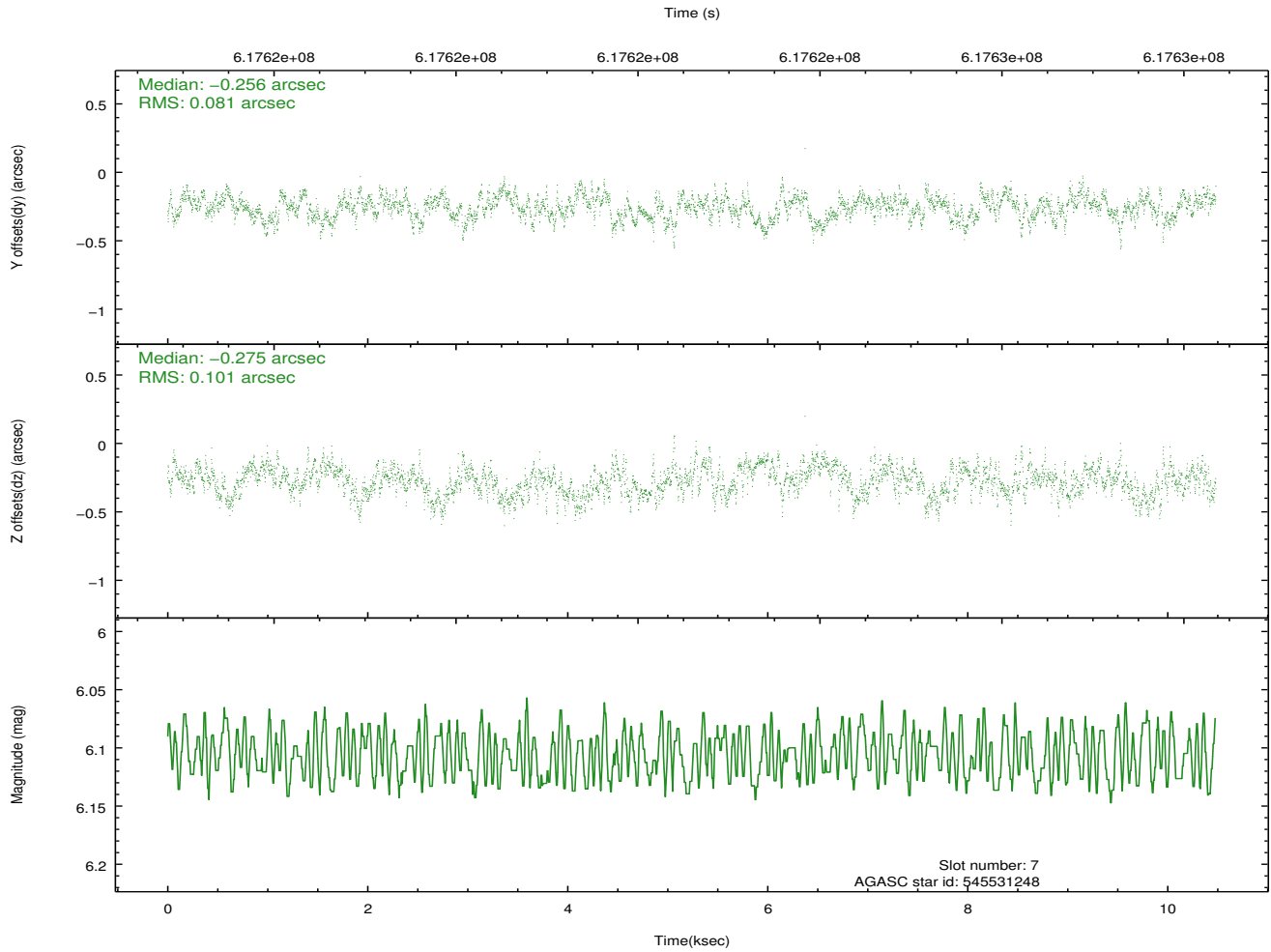
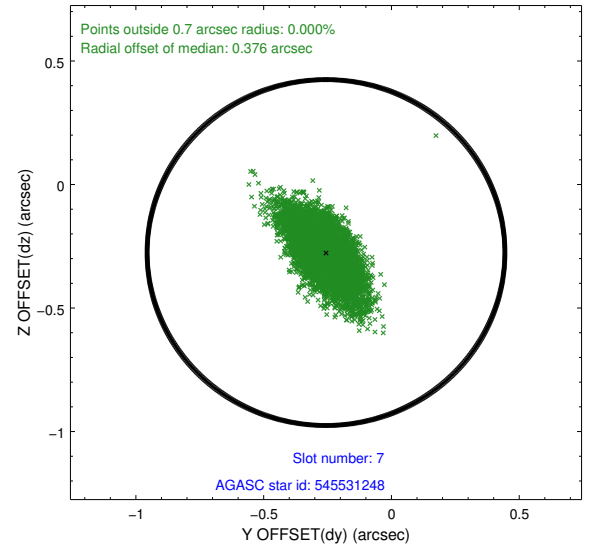
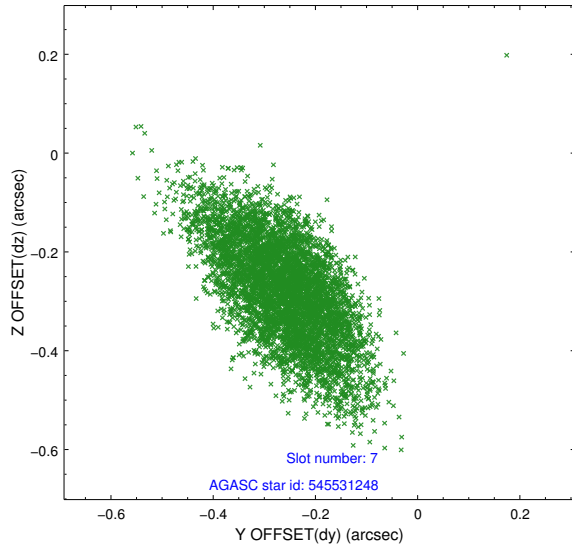
2.4.3 Slot 5



2.4.4 Slot 6

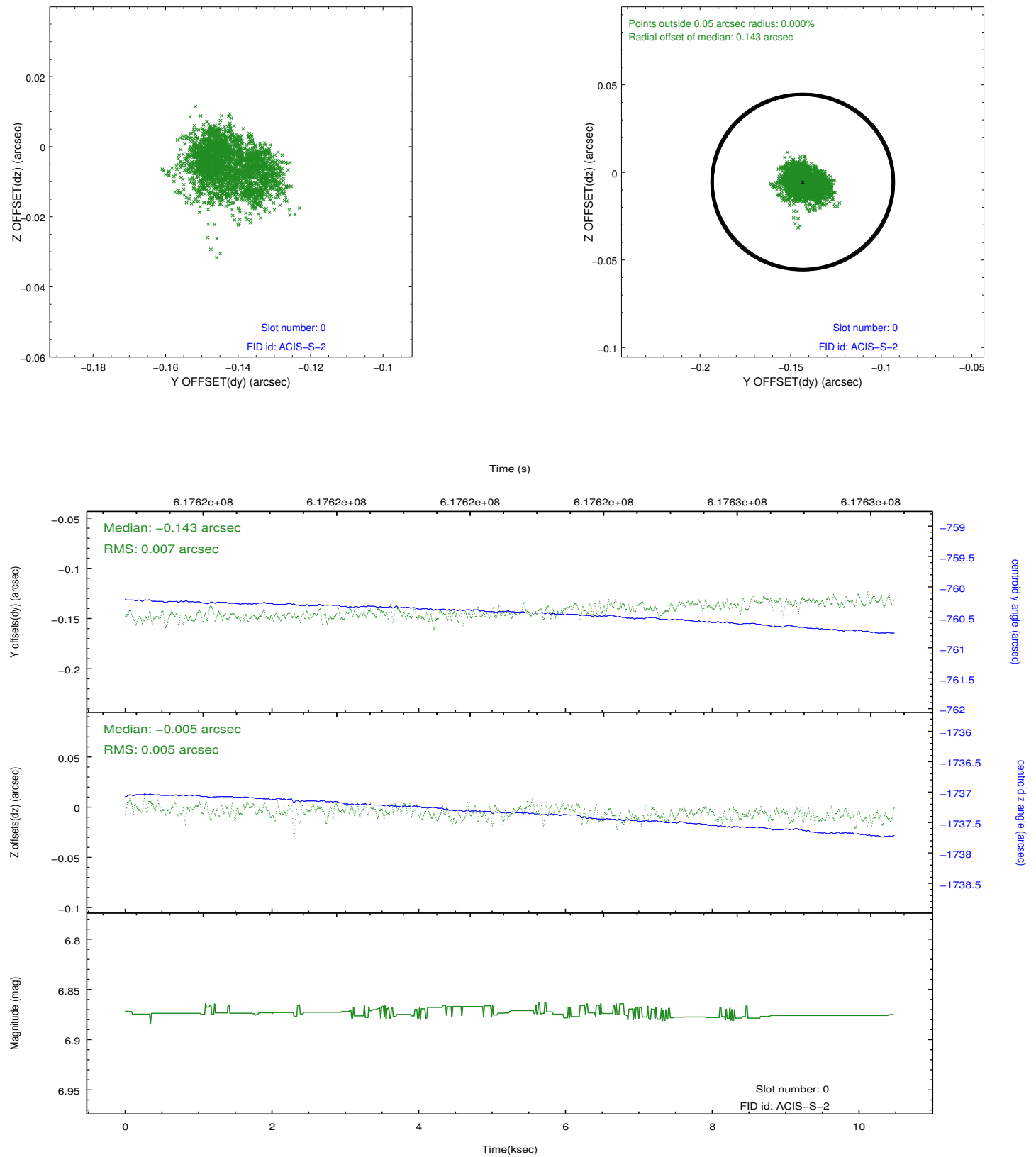


2.4.5 Slot 7

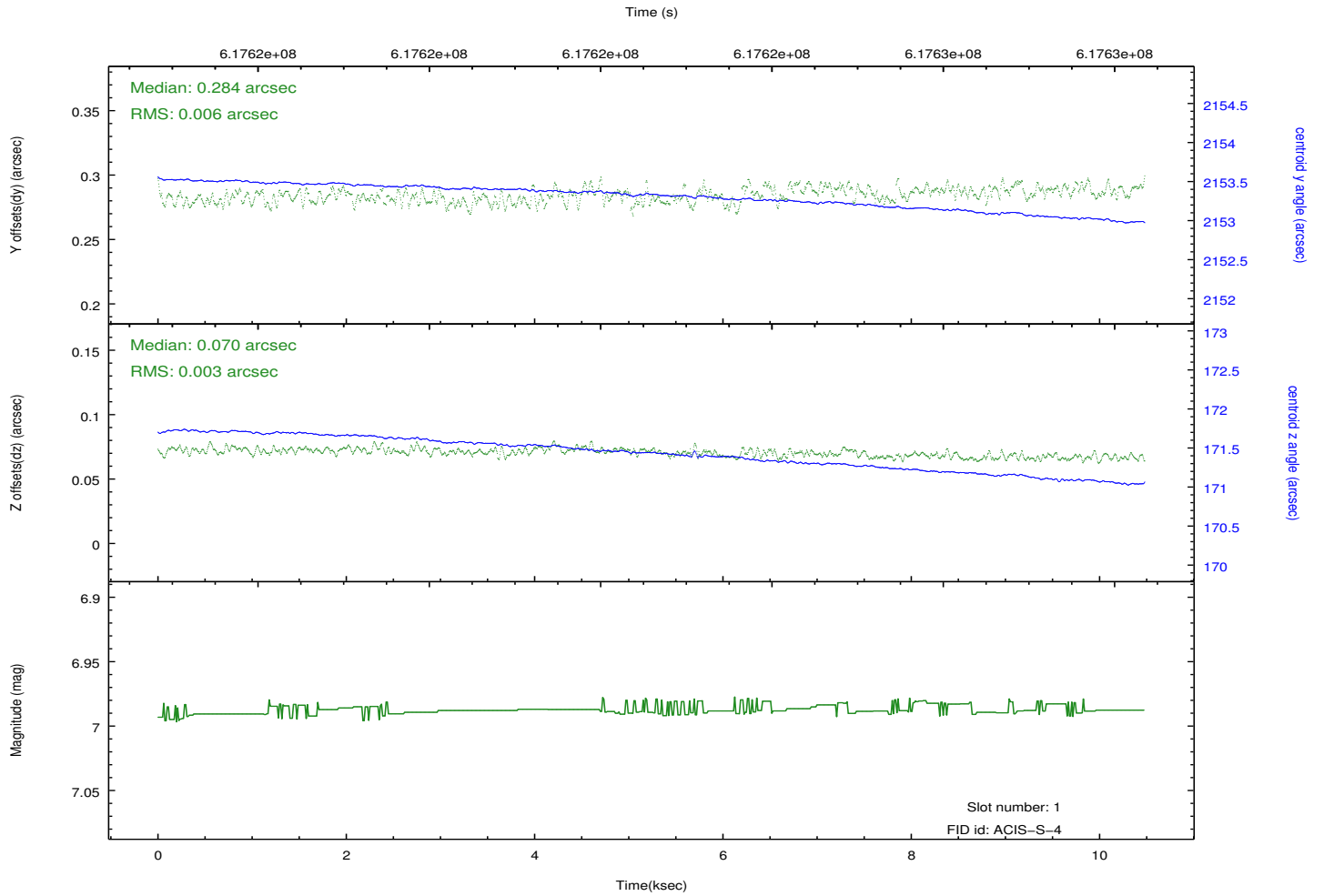
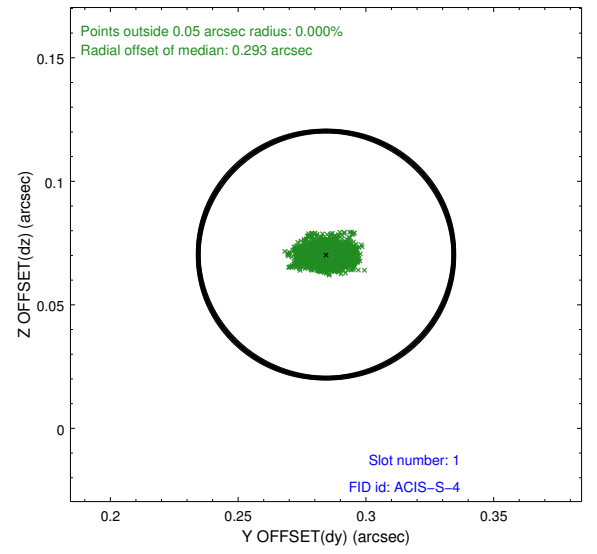
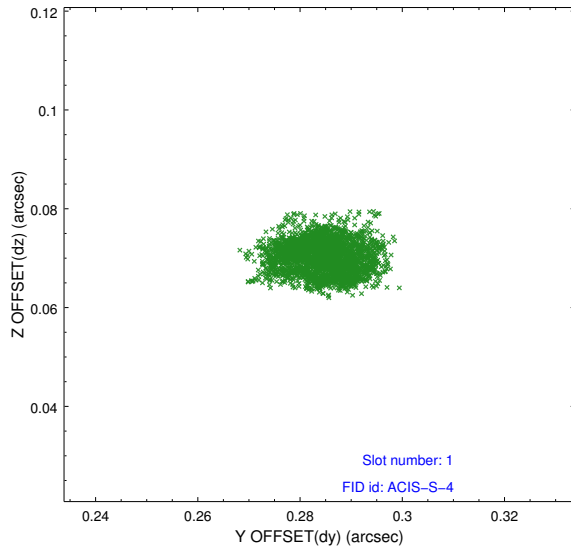


2.5 FID Slots

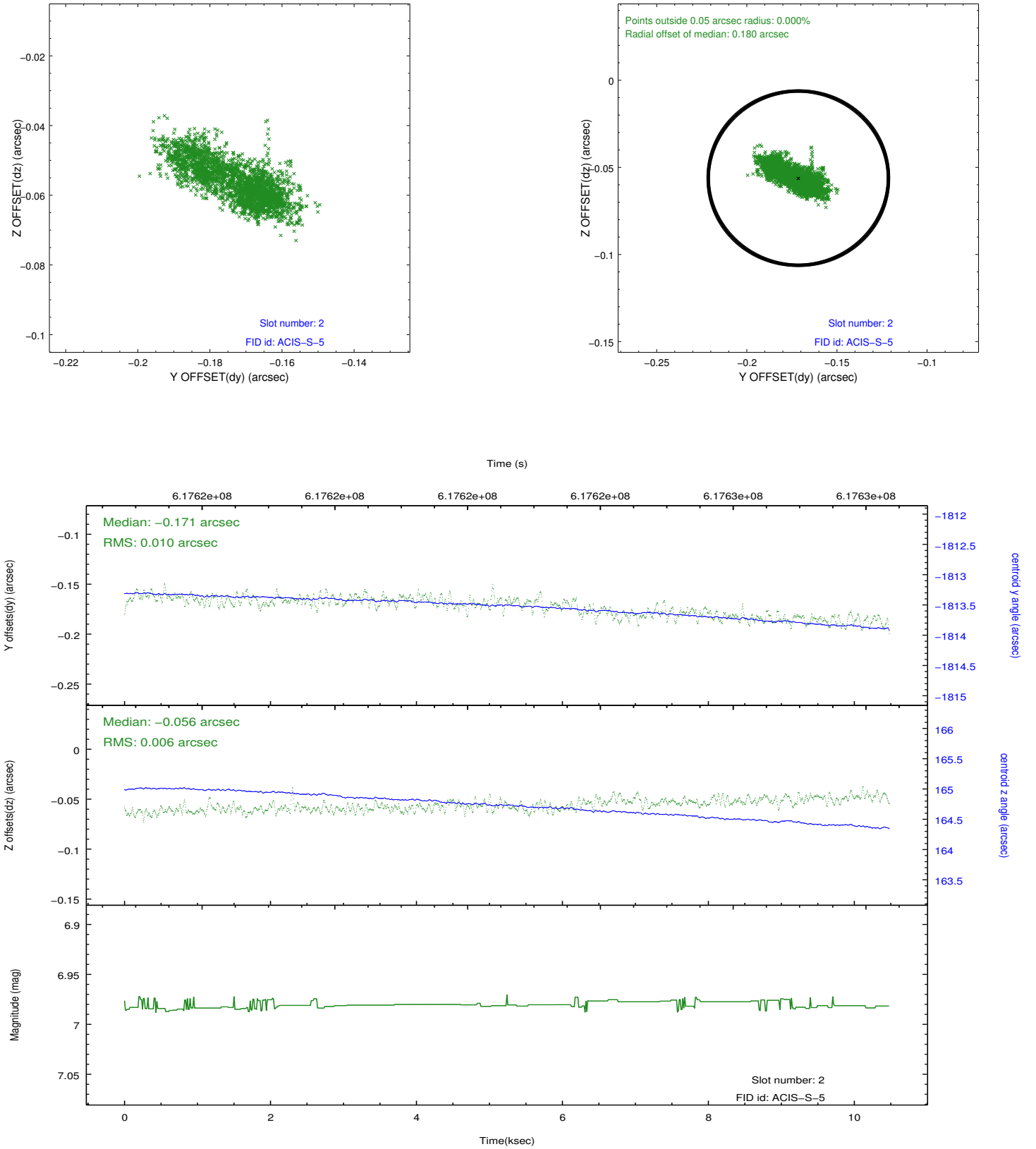
2.5.1 Slot 0



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)	2017.07.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.8022000755072

A.2 Comments