

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 20053 - L2 Version 1
Chandra X-Ray Center

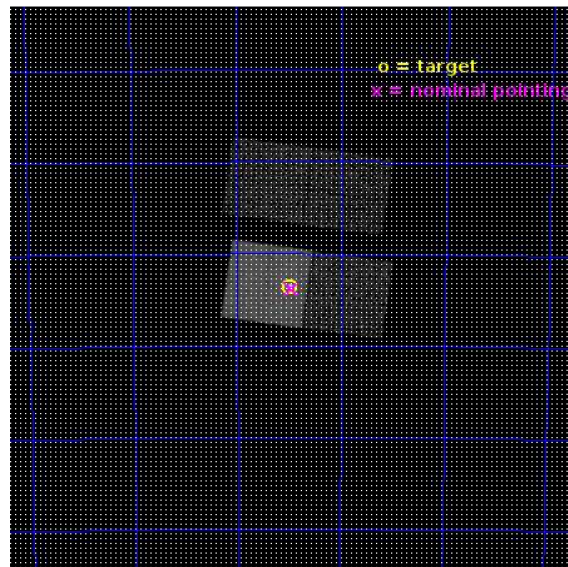
L2 Processing Date : May 22 2017

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1 Front

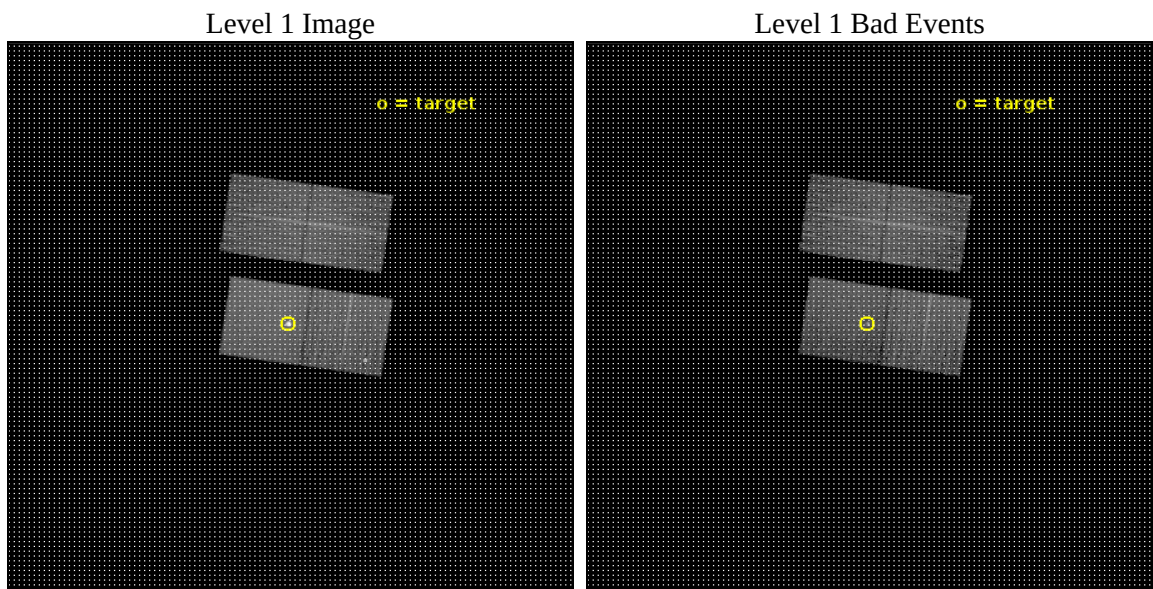
seq_num	502637	Sequence number
obs_id	20053	Observation id
title	N103B: A Type Ia Remnant with Circumstellar Interaction... Kepler's Older Cousin?	Proposal title
observer	Dr. Brian Williams	Principal investigator
object	SNR 0509-68.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	77.245833	Observer's specified target RA [deg]
dec_targ	-68.726111	Observer's specified target Dec [deg]
ra_nom	77.238750542443	Nominal RA [deg]
dec_nom	-68.730164421087	Nominal Dec [deg]
roll_nom	188.15009115755	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11349.100087404	Sum of GTIs [s]
livetime	11200.815739676	Livetime [s]
ontime2	11349.100087404	Sum of GTIs [s]
ontime3	11349.100087404	Sum of GTIs [s]
ontime6	11349.100087404	Sum of GTIs [s]
ontime7	11349.100087404	Sum of GTIs [s]
l2events	101513	Number of level 2 events



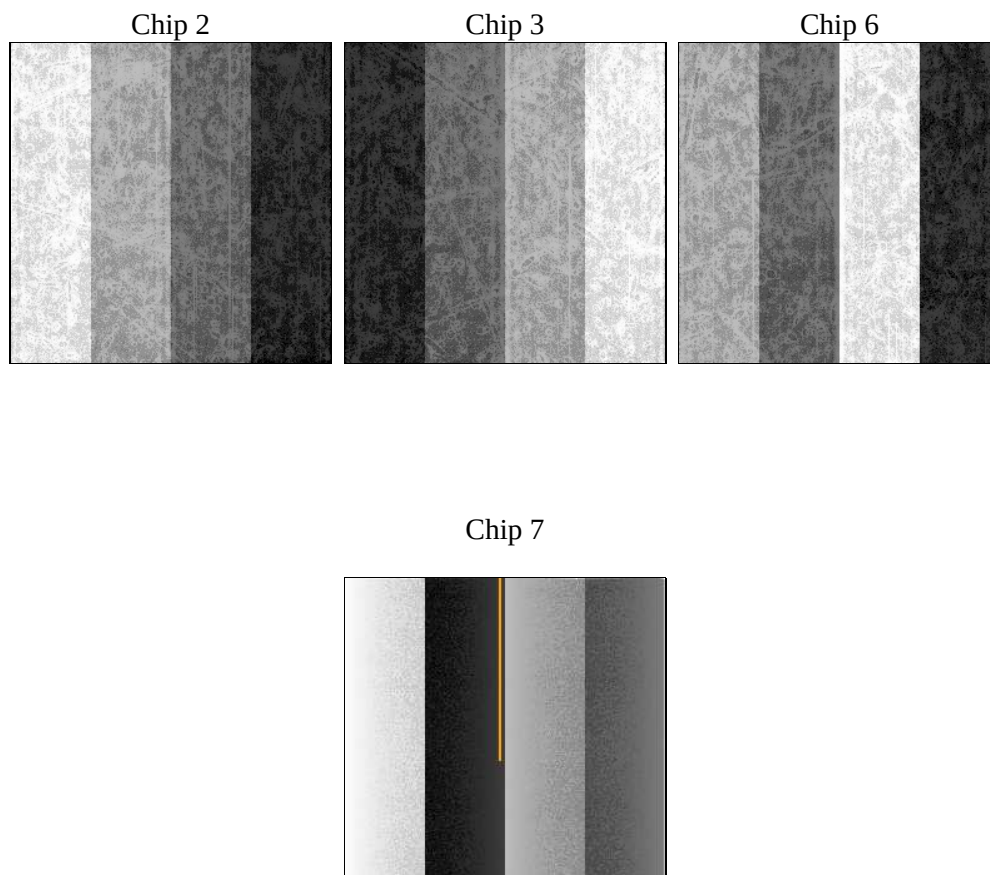
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	11280.708000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	11349.100087404	Sum of GTIs [s]
caldbver	4.7.4	 	ontime2	11349.100087404	Sum of GTIs [s]
date	2017-05-22T21:33:02	Date and time of file creation	ontime3	11349.100087404	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	11349.100087404	Sum of GTIs [s]
			ontime7	11349.100087404	Sum of GTIs [s]
			l1events	388995	Number of level 1 events

2.1.4 Events

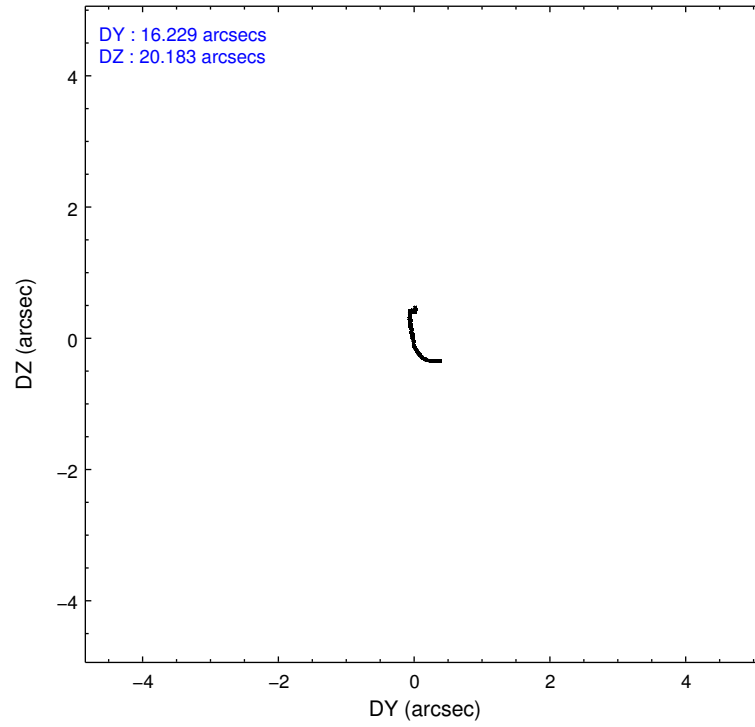
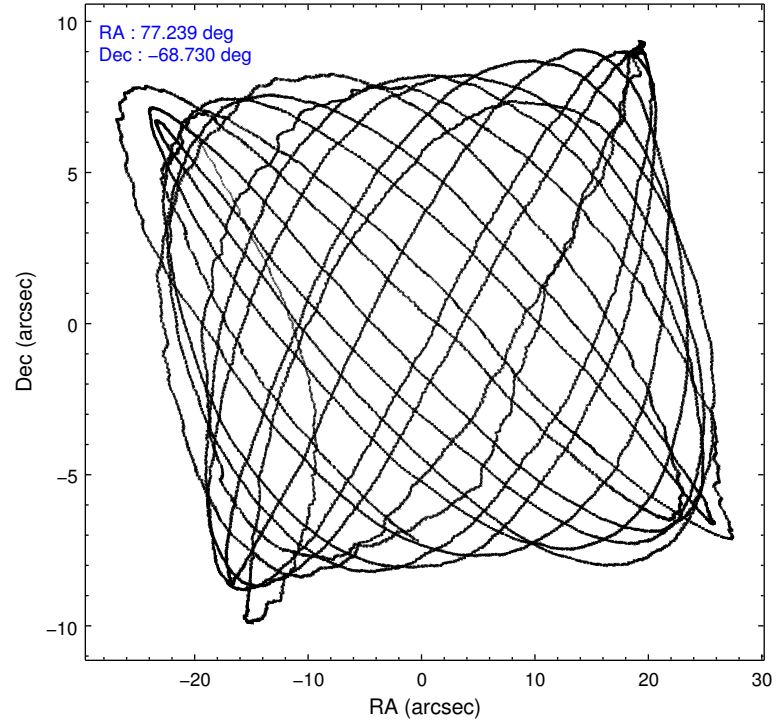
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	81362	79380	88304	139949
rejected events	72829	71073	75821	59958
rejected %	89%	89%	85%	42%

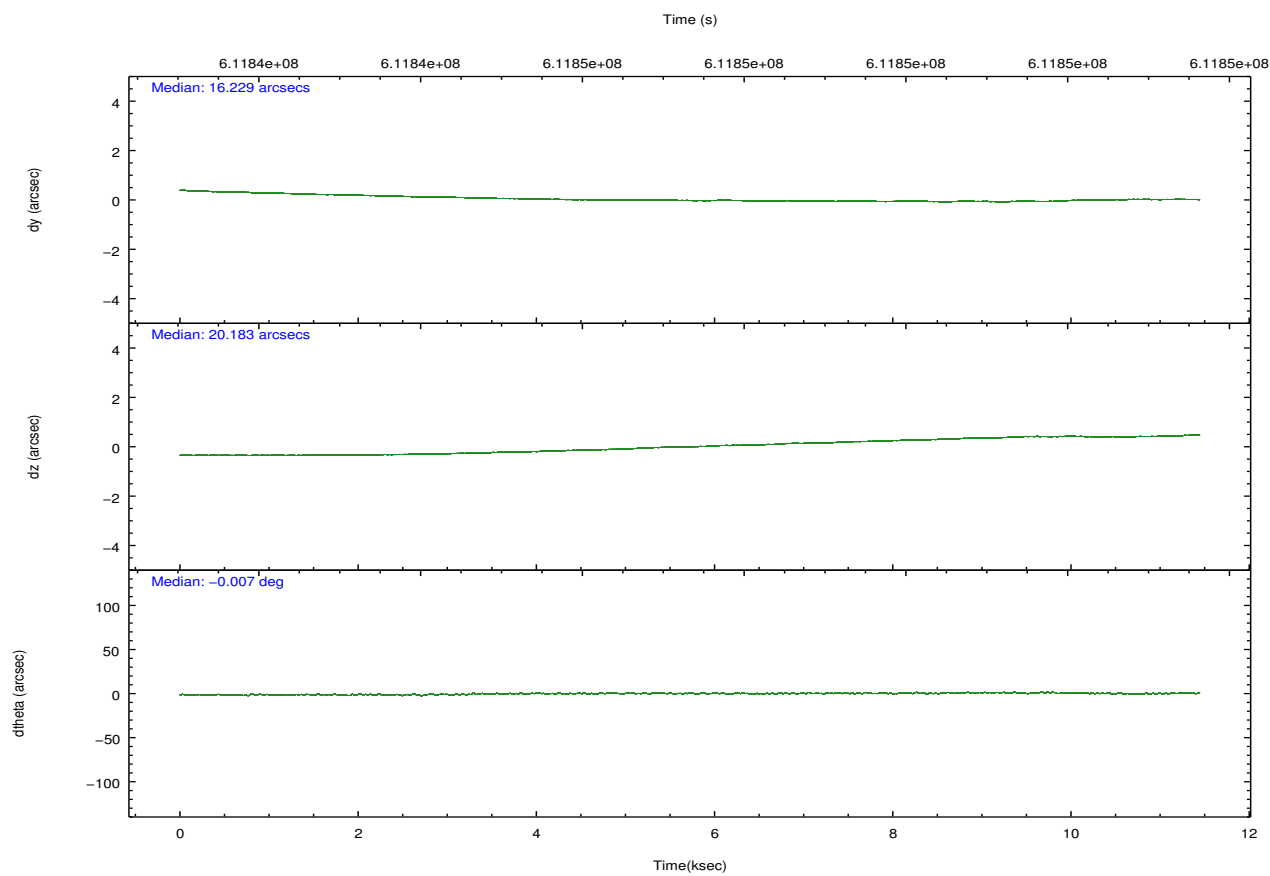
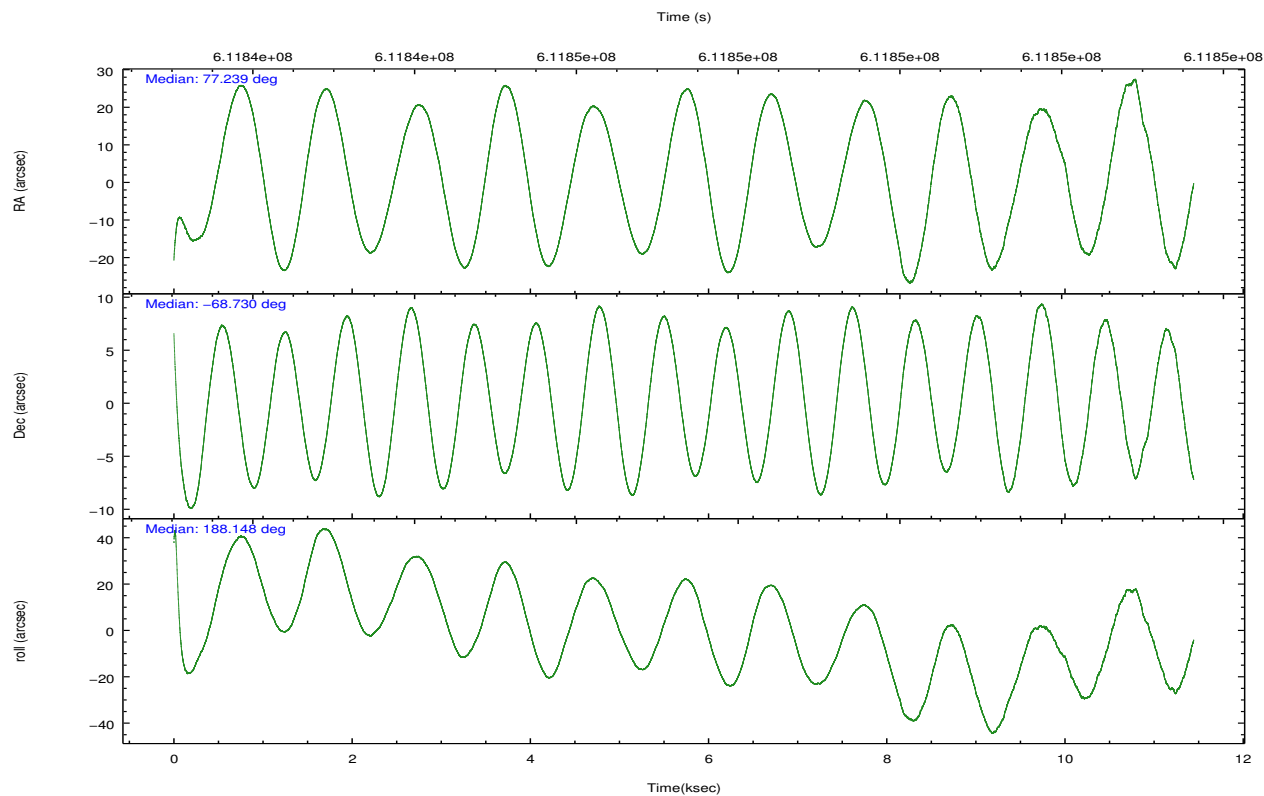
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3059	2888	6206	13340
	3%	3%	7%	9%
grade 1 events	41	48	49	304
	0%	0%	0%	0%
grade 2 events	2014	1816	2283	19392
	2%	2%	2%	13%
grade 3 events	836	879	882	7560
	1%	1%	0%	5%
grade 4 events	933	939	787	7470
	1%	1%	0%	5%
grade 5 events	2953	3687	3541	10361
	3%	4%	4%	7%
grade 6 events	1692	1787	2327	32258
	2%	2%	2%	23%
grade 7 events	69834	67336	72229	49264
	85%	84%	81%	35%

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	77.297758	77.23875054244331	Subarray requested	NONE	NONE
[deg] Pointing Dec	-68.712905	-68.73016442108734	Alternating exposures requested	N	N
[deg] Pointing Roll	188.048391	188.1500911575494	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	611841773.184000	611840619.44752			
Observation start date	2017-05-22T12:01:44	2017-05-22T11:43:39			
[s] Observation end time (MET)	611853054.184000	611853275.12325			
Observation end date	2017-05-22T15:09:45	2017-05-22T15:14:35			
Read mode	TIMED	TIMED			

2.3 Aspect



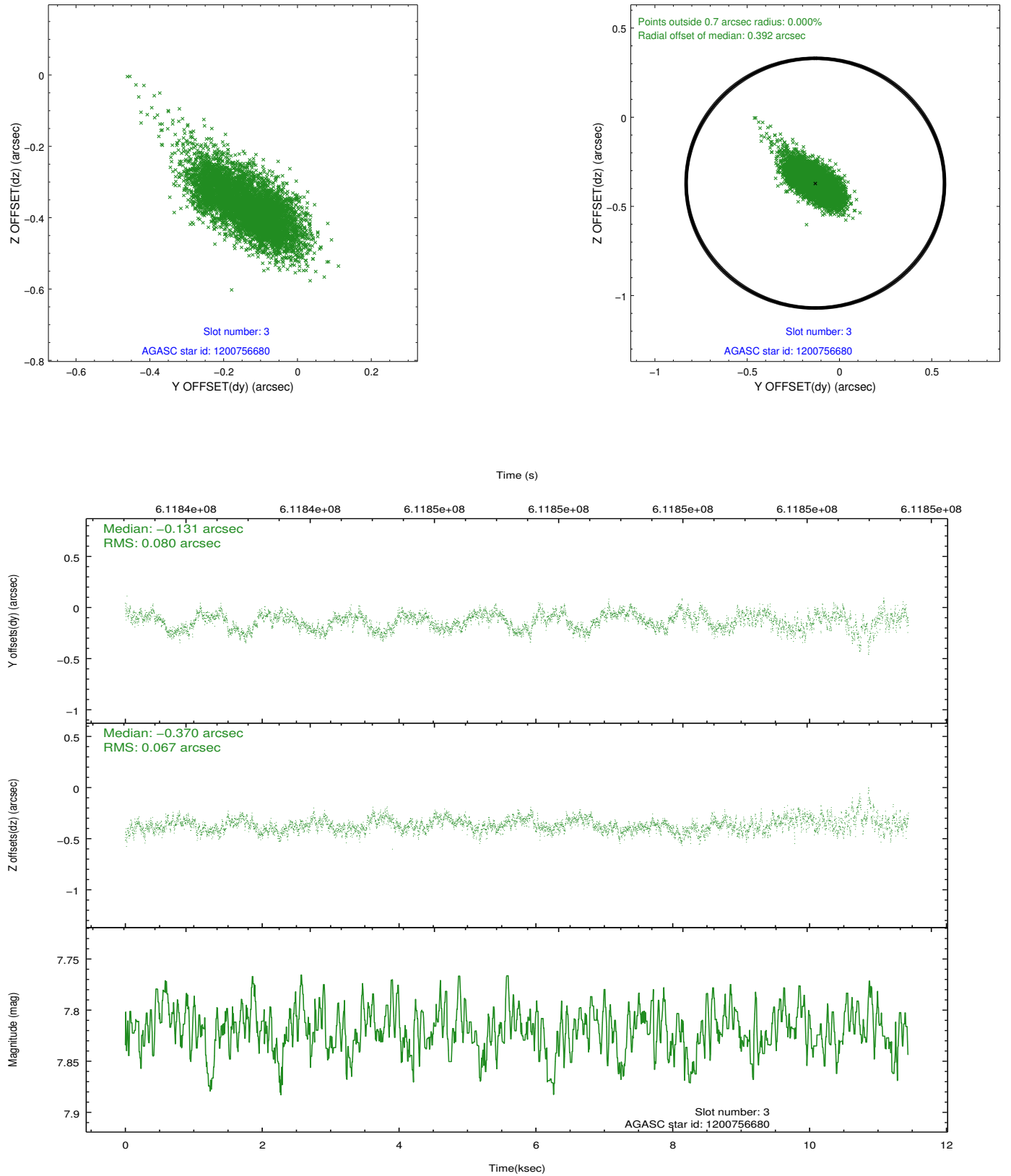


Slot Statistics

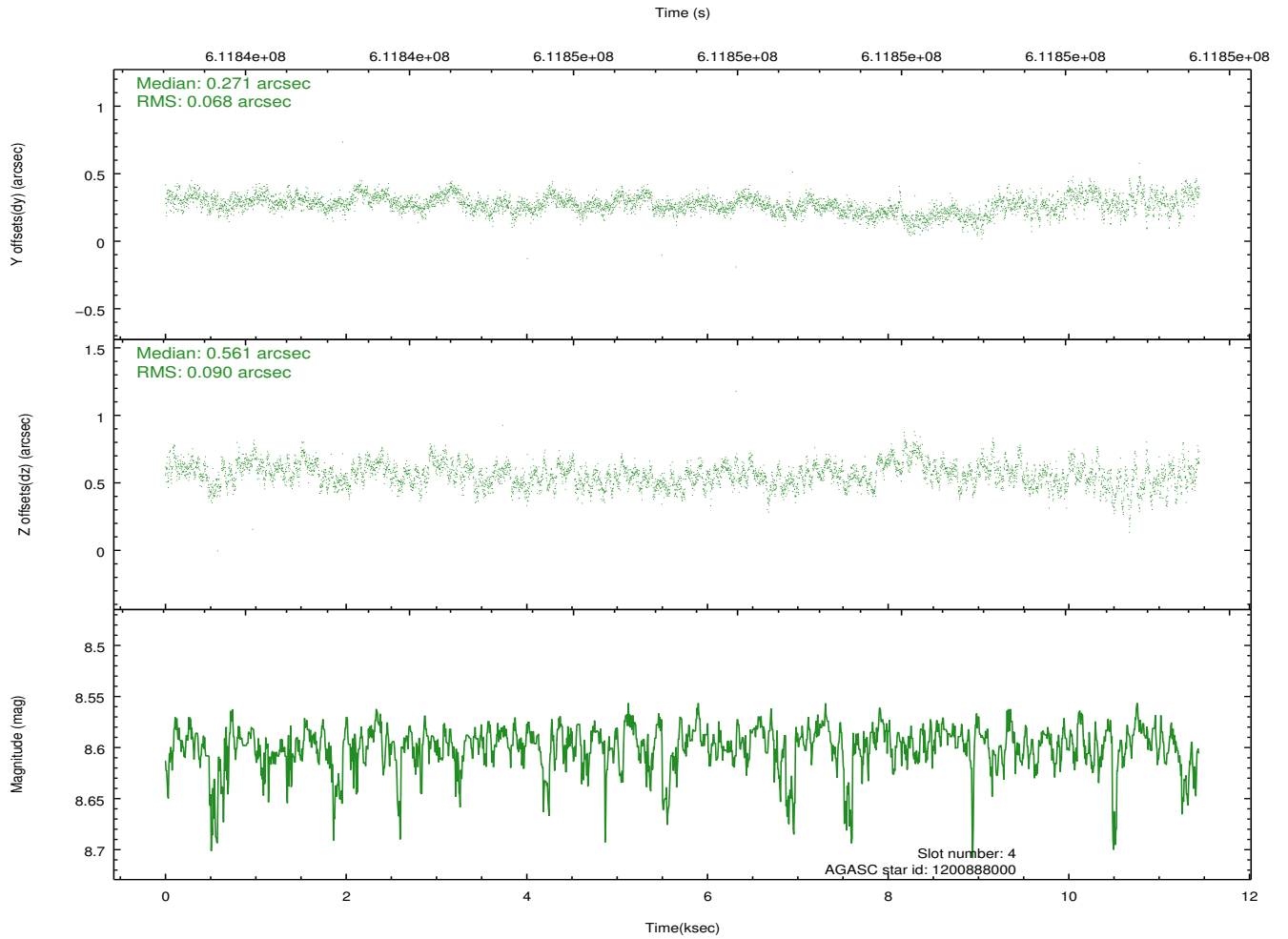
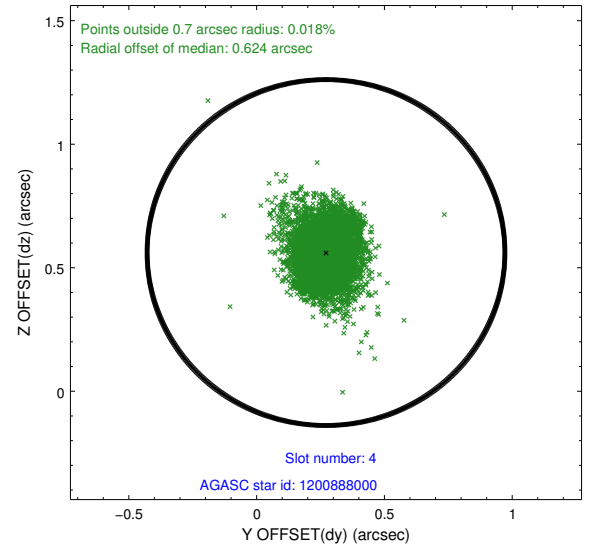
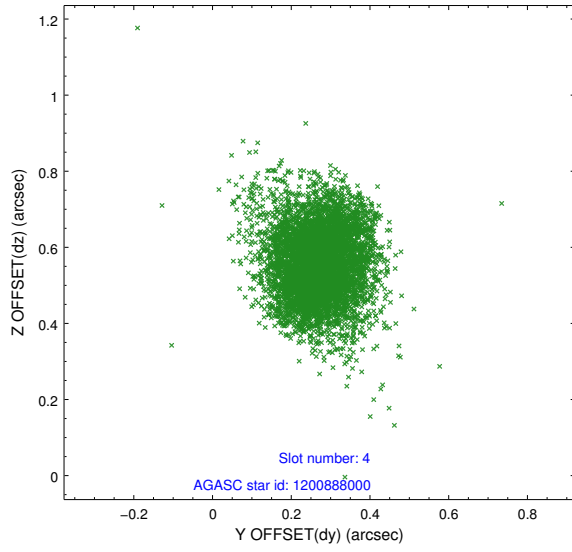
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.17	2791	0.027	-0.106	0.014	0.024	0.000000	0.000000	926.83	-1737.37
1	FID		ACIS-S-4	7.20	2791	0.399	0.065	0.013	0.020	0.000000	0.000000	2144.79	166.53
2	FID		ACIS-S-5	7.18	2792	-0.453	0.053	0.010	0.018	0.000000	0.000000	-1822.02	160.48
3	GUIDE	used	1200756680	7.82	5579	-0.131	-0.370	0.108	0.180	76.219475	-68.900351	1479.61	485.74
4	GUIDE	used	1200888000	8.60	5579	0.271	0.561	0.117	0.195	78.402273	-68.021569	-1818.99	-2241.60
5	GUIDE	used	1200758760	8.29	5578	0.027	0.256	0.115	0.194	76.277764	-68.086435	1042.74	-2413.59
6	GUIDE	used	1200760024	8.45	5581	-0.127	-0.299	0.135	0.206	77.625244	-69.320410	-106.01	2224.54
7	GUIDE	used	1200888464	9.42	5577	-0.053	-0.147	0.146	0.240	78.430687	-69.005633	-1297.27	1261.82

2.4 Star Slots

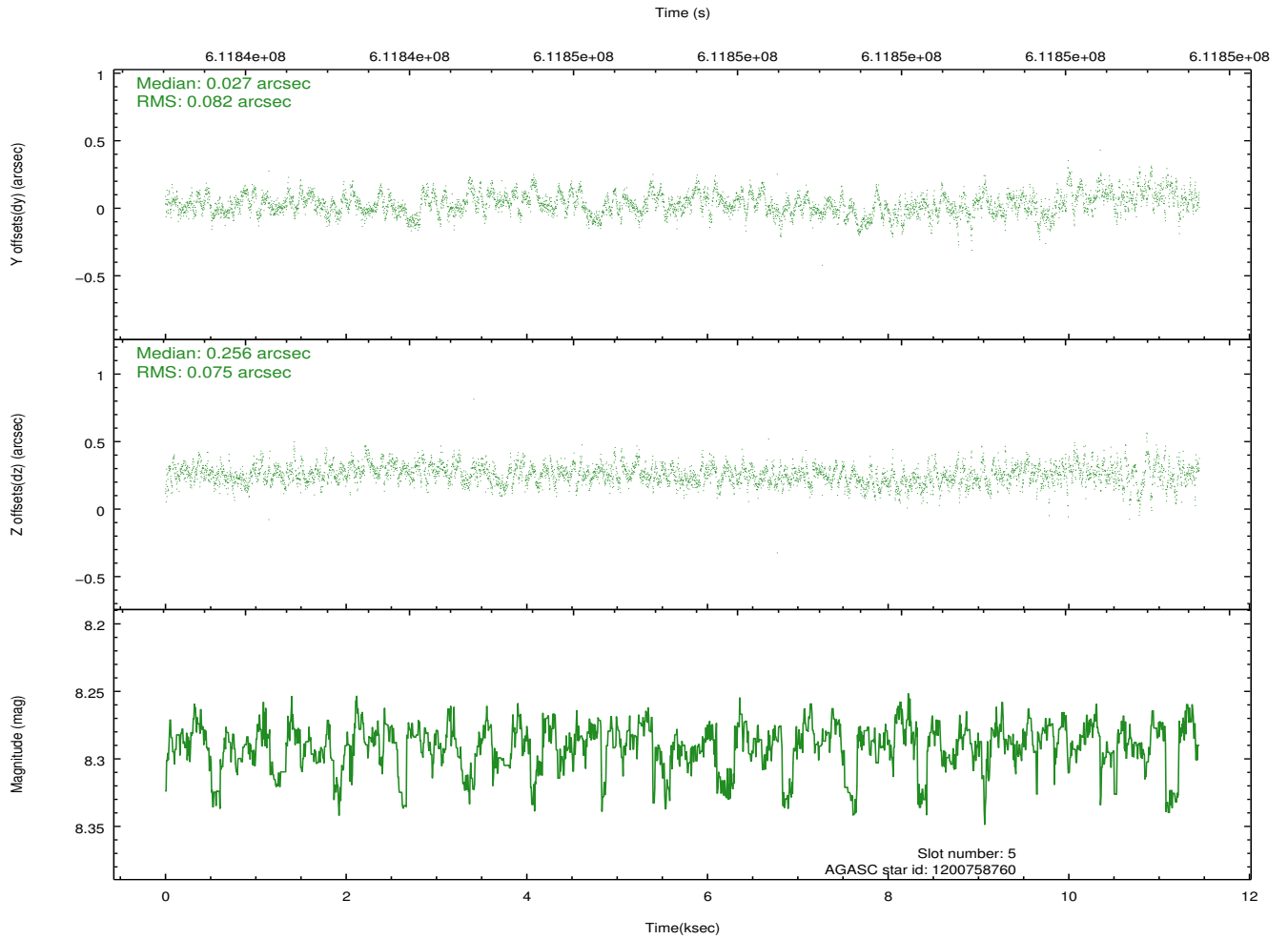
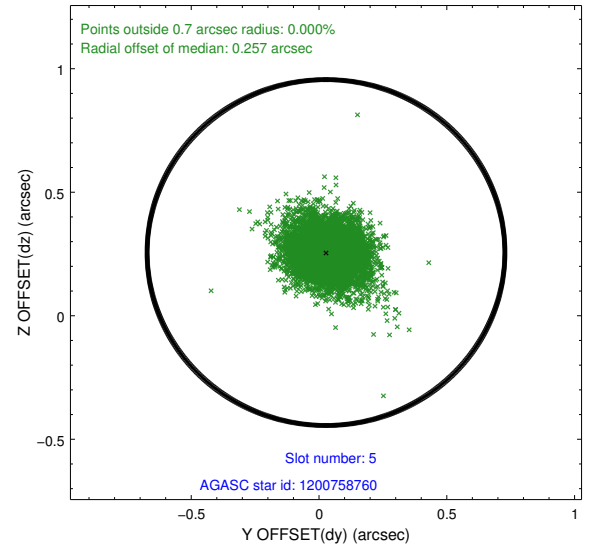
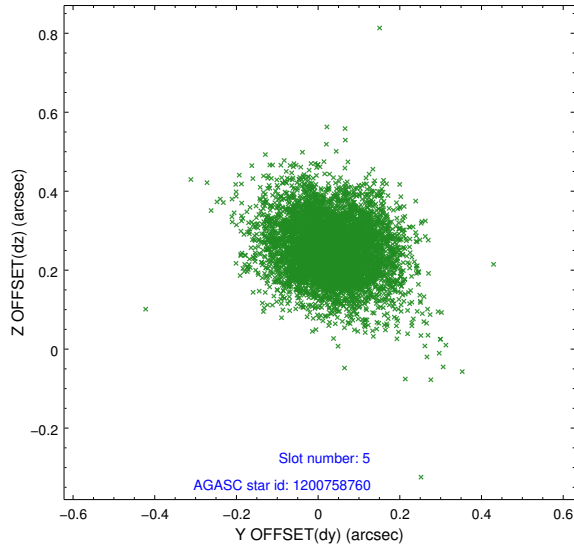
2.4.1 Slot 3



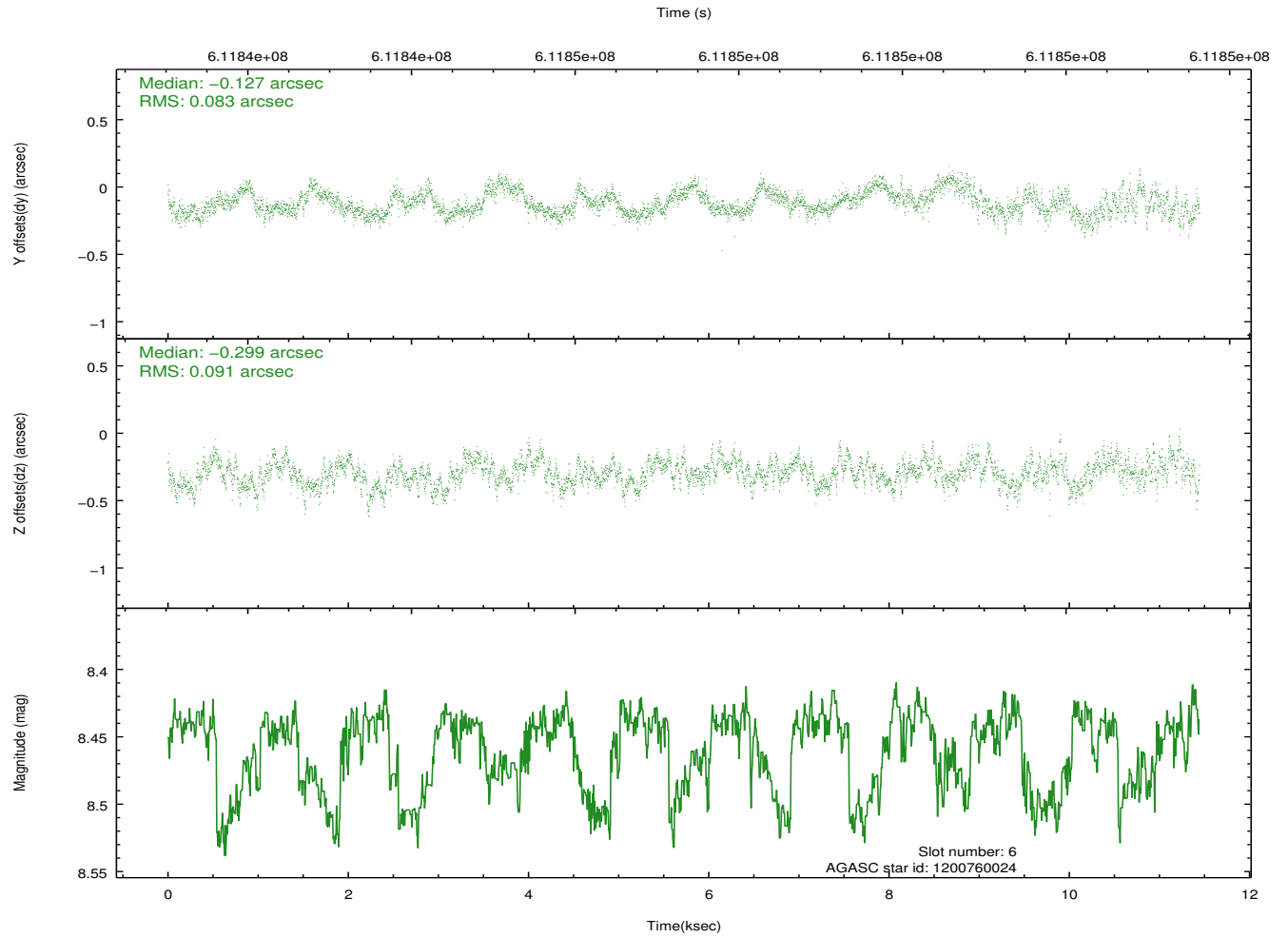
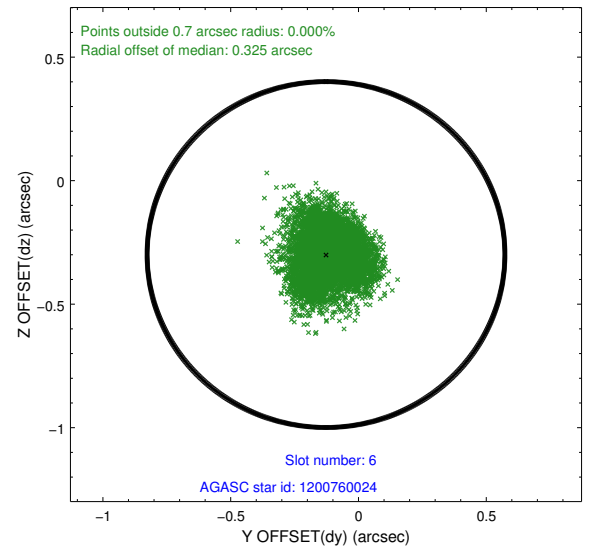
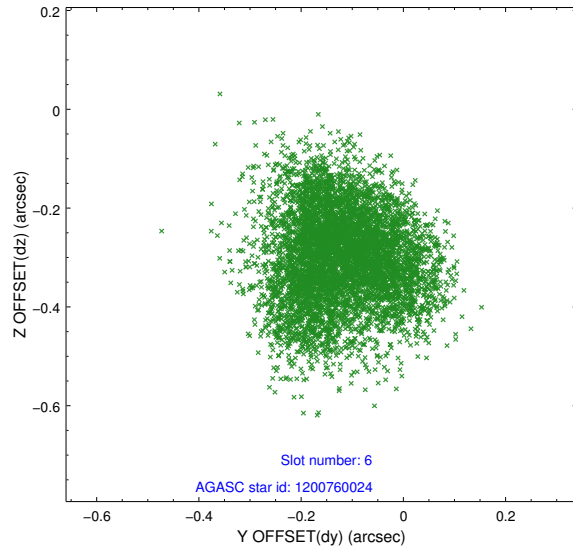
2.4.2 Slot 4



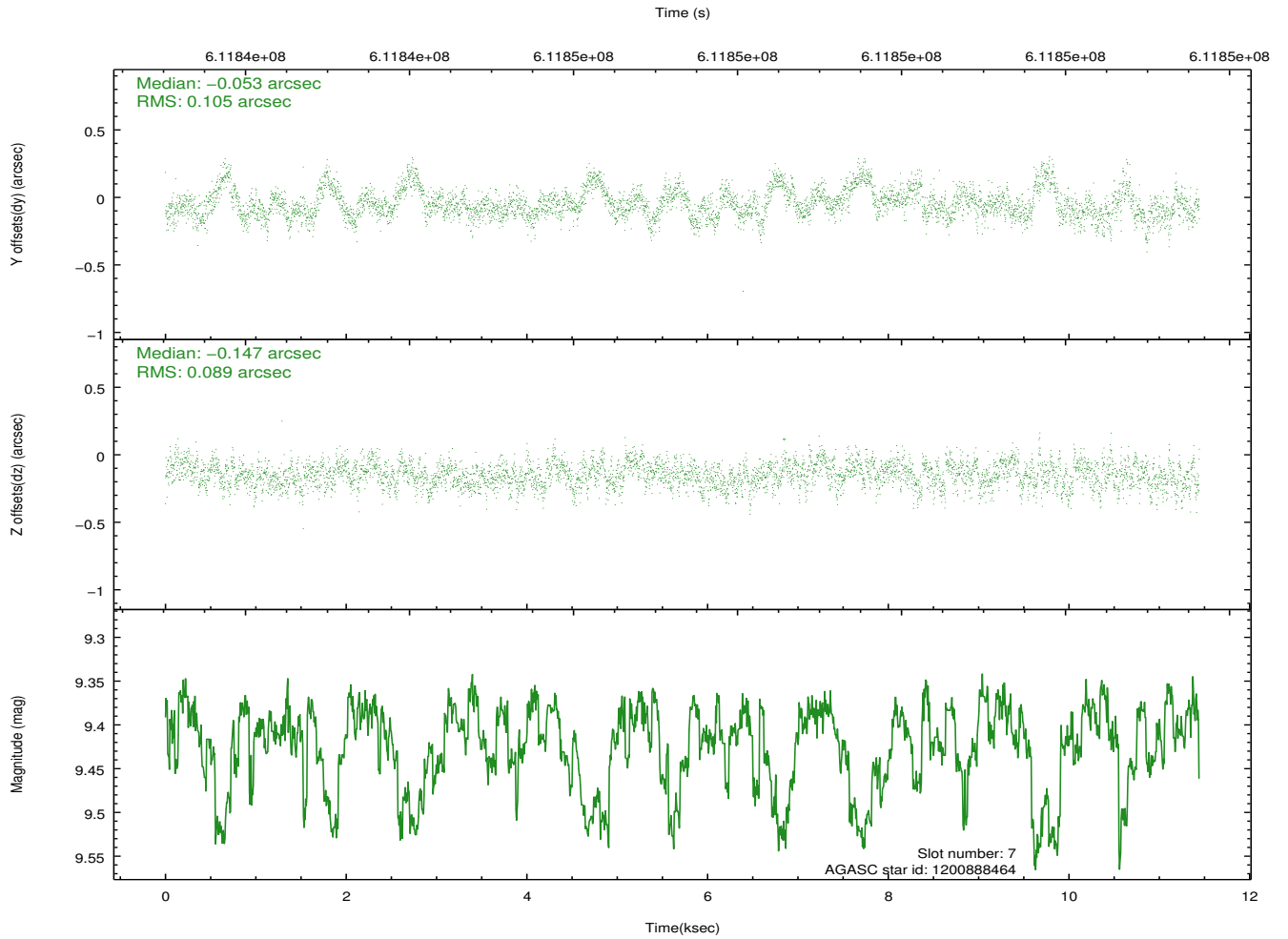
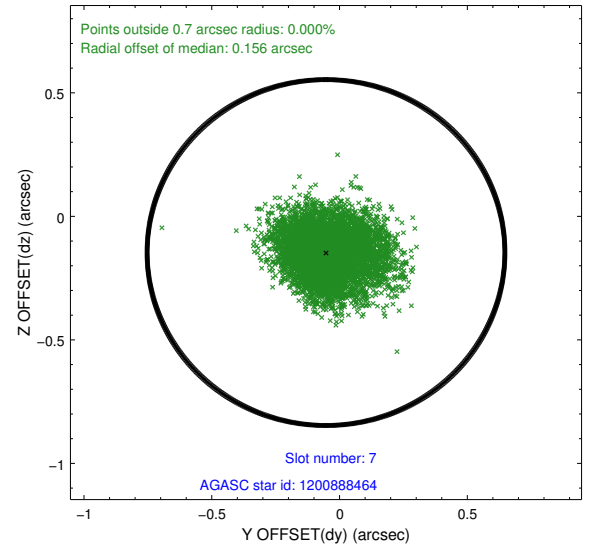
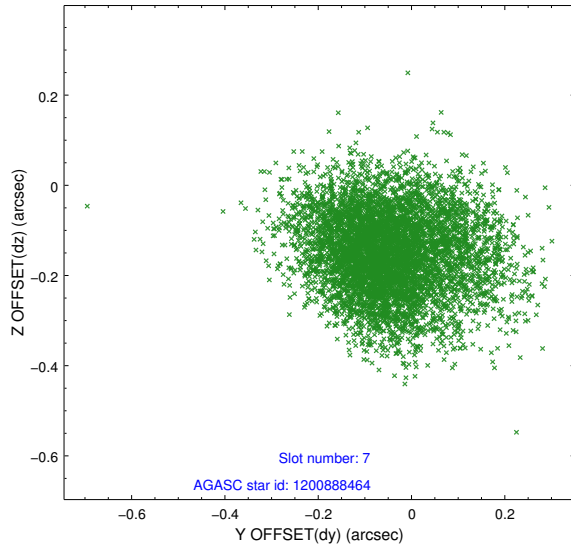
2.4.3 Slot 5



2.4.4 Slot 6

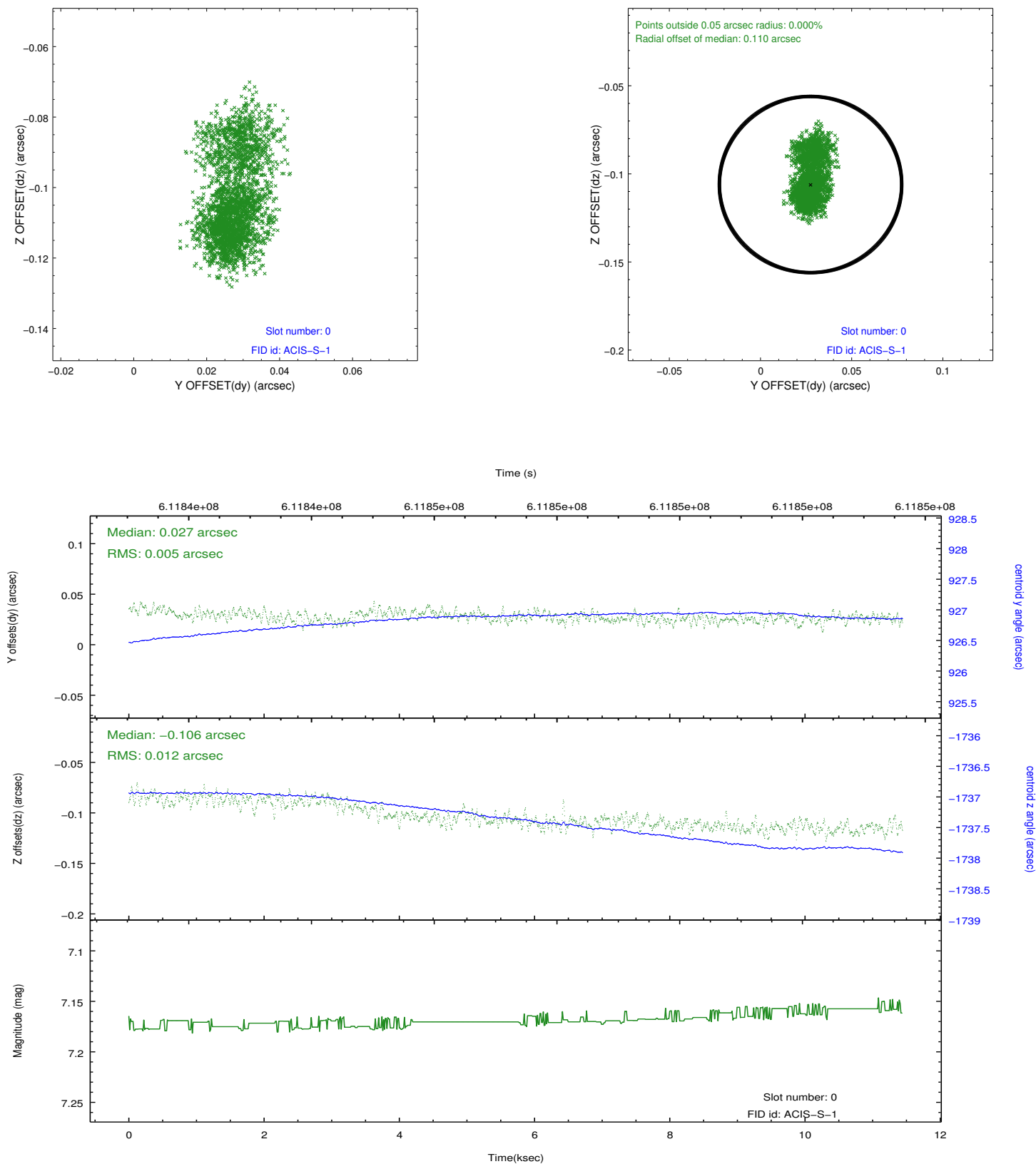


2.4.5 Slot 7

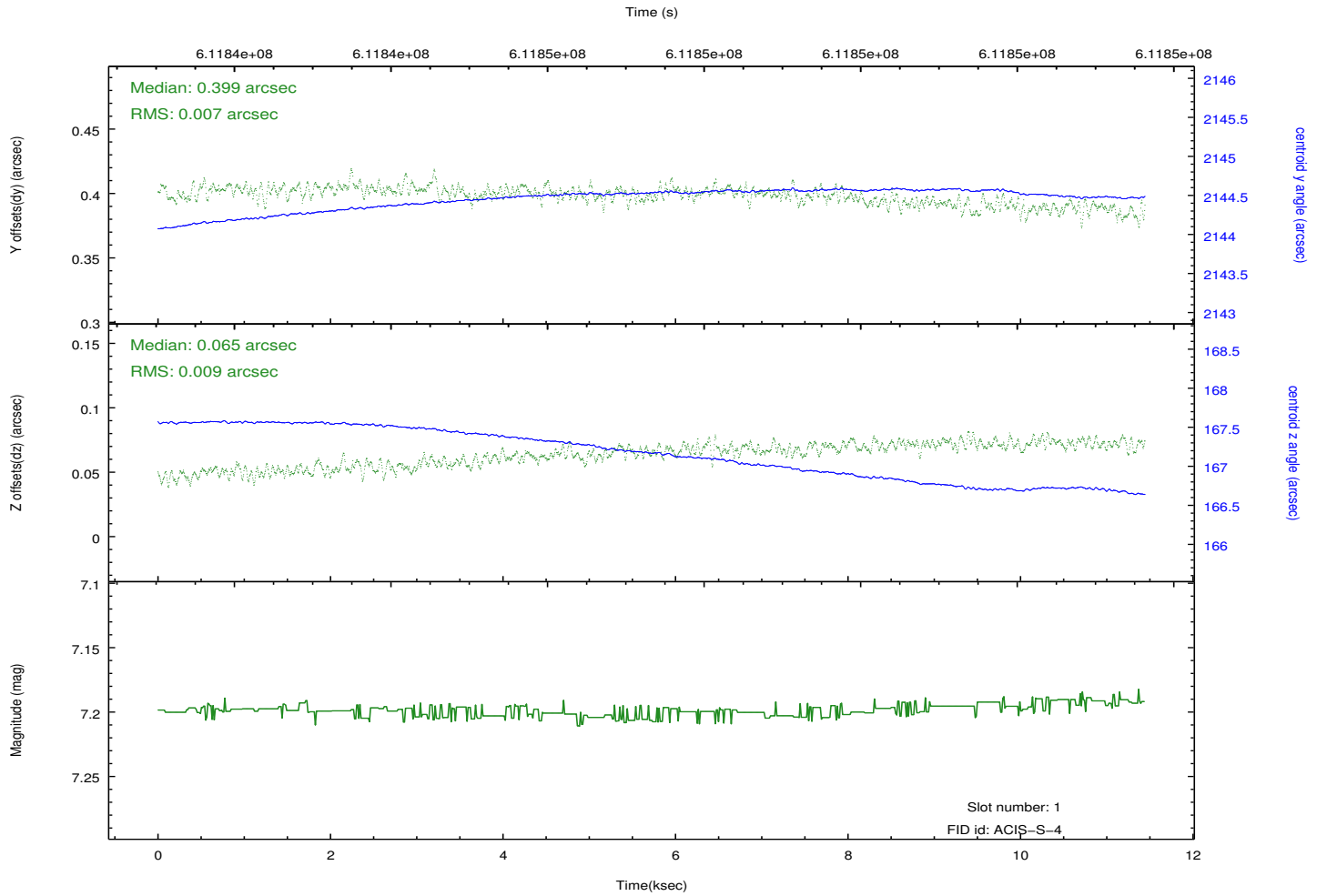
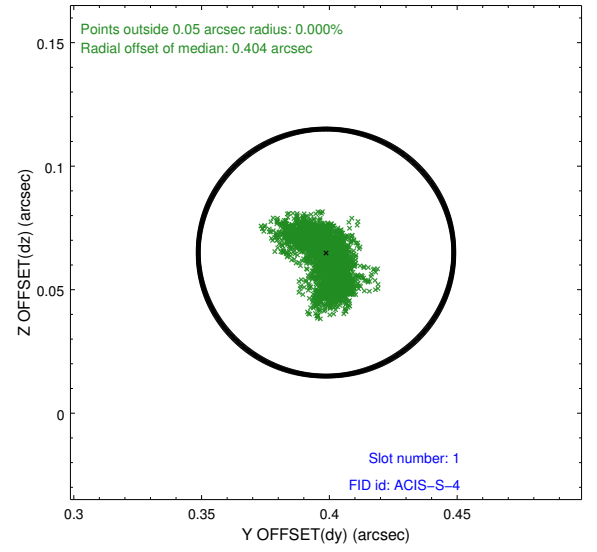
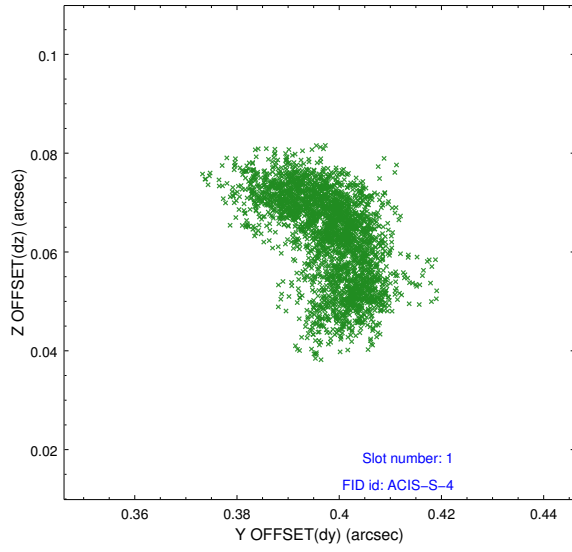


2.5 FID Slots

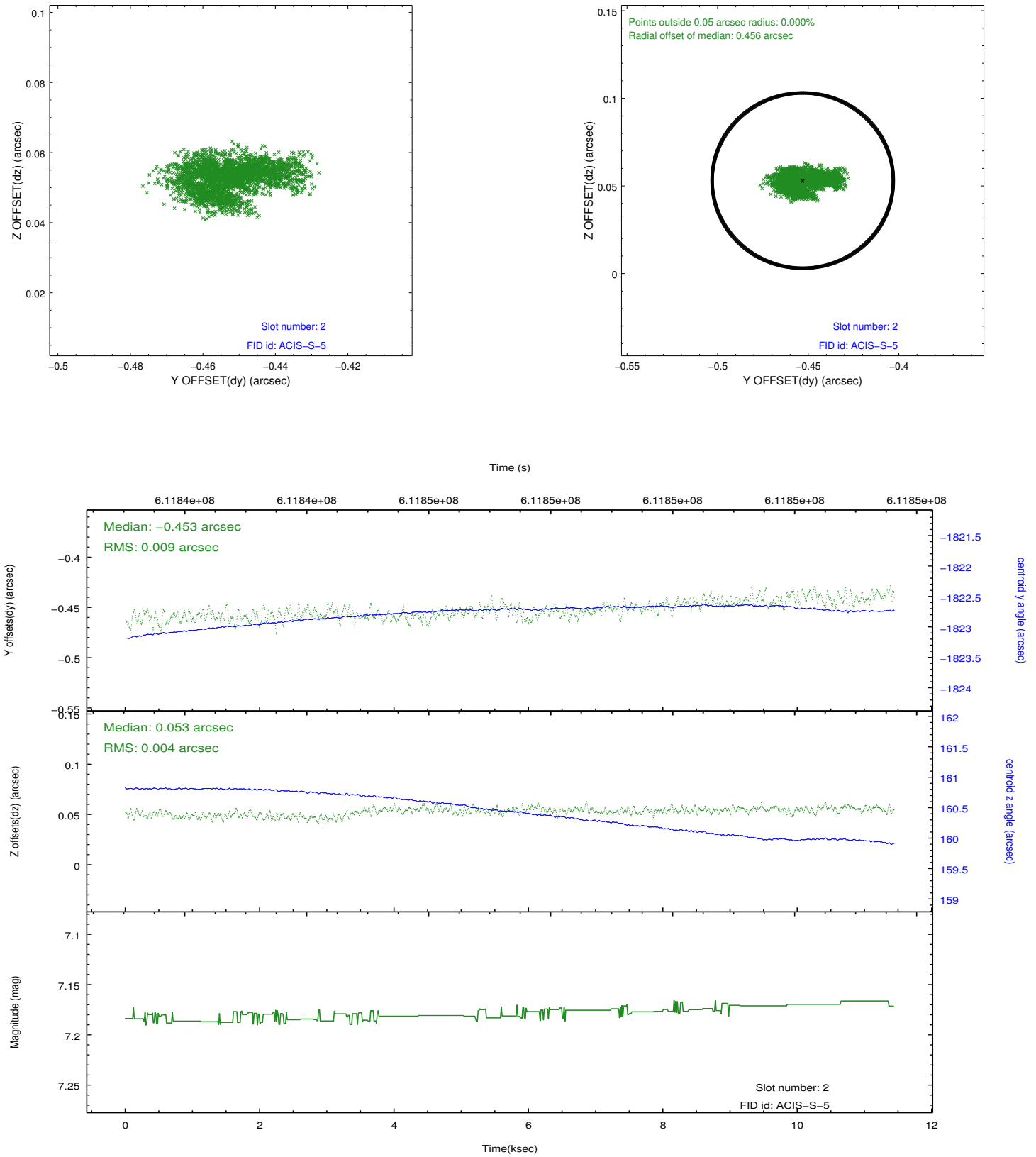
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.349100087404

A.2 Comments