

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 16755 - L2 Version 1
Chandra X-Ray Center

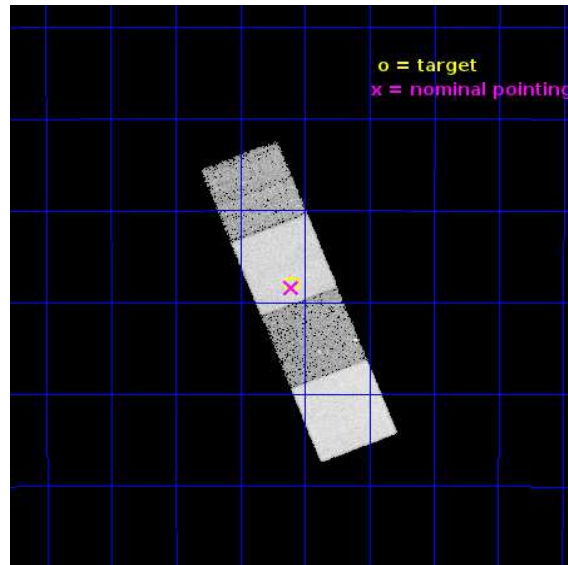
L2 Processing Date : Sep 3 2015

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1 Front

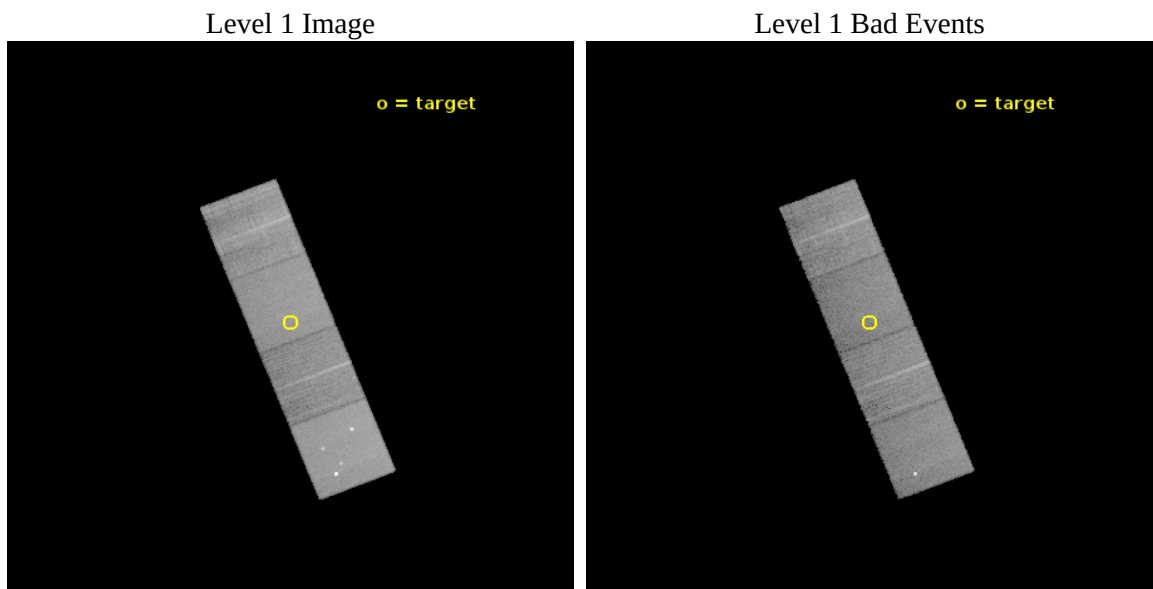
seq_num	502273	Sequence number
obs_id	16755	Observation id
title	Rapid Observations of Short-Duration Gamma-Ray Bursts: Accurate Positions Hold the Key to the Progenitor Population	Proposal title
observer	Prof. Edo Berger	Principal investigator
object	GRB150831A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.024208	Observer's specified target RA [deg]
dec_targ	-25.634944	Observer's specified target Dec [deg]
ra_nom	221.02601940754	Nominal RA [deg]
dec_nom	-25.64011496576	Nominal Dec [deg]
roll_nom	248.43328594513	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20069.400154471	Sum of GTIs [s]
livetime	19807.178666576	Livetime [s]
ontime5	20069.400154471	Sum of GTIs [s]
ontime6	20069.400154471	Sum of GTIs [s]
ontime7	20069.400154471	Sum of GTIs [s]
ontime8	20069.400154471	Sum of GTIs [s]
l2events	168651	Number of level 2 events



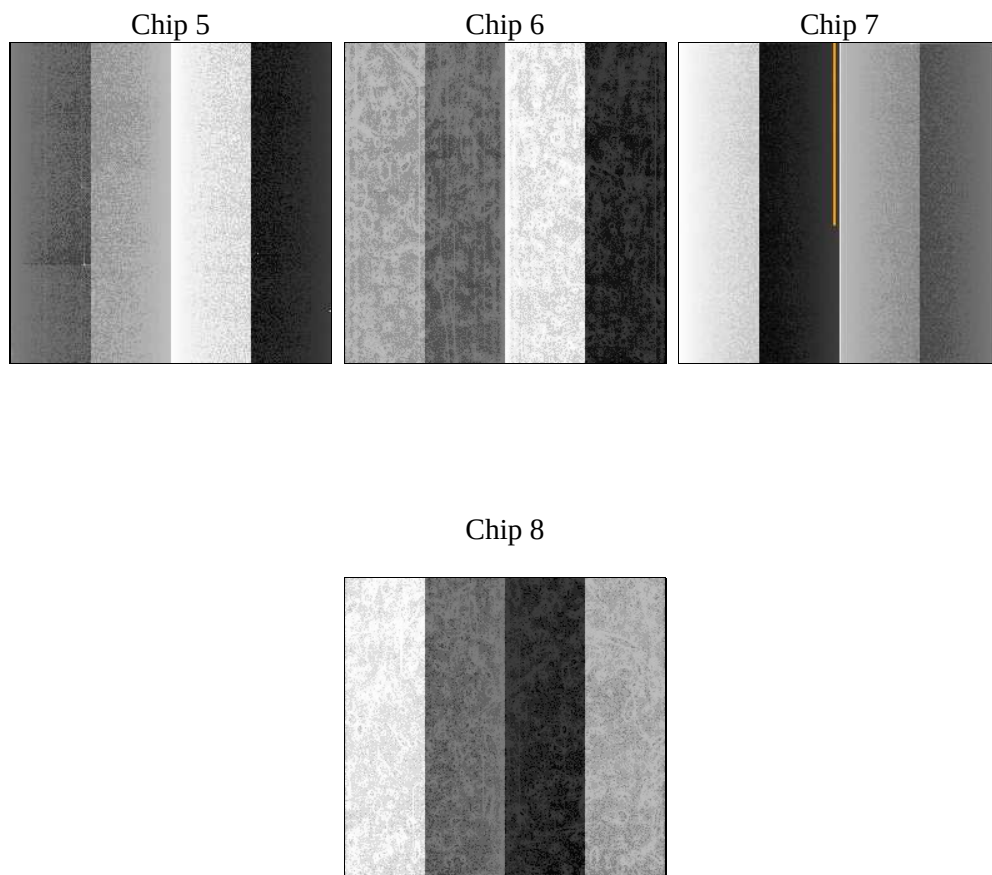
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	20069.400154471	Sum of GTIs [s]
caldsver	4.6.8	 	ontime5	20069.400154471	Sum of GTIs [s]
date	2015-09-04T03:06:23	Date and time of file creation	ontime6	20069.400154471	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	20069.400154471	Sum of GTIs [s]
			ontime8	20069.400154471	Sum of GTIs [s]
			l1events	582553	Number of level 1 events

2.1.4 Events

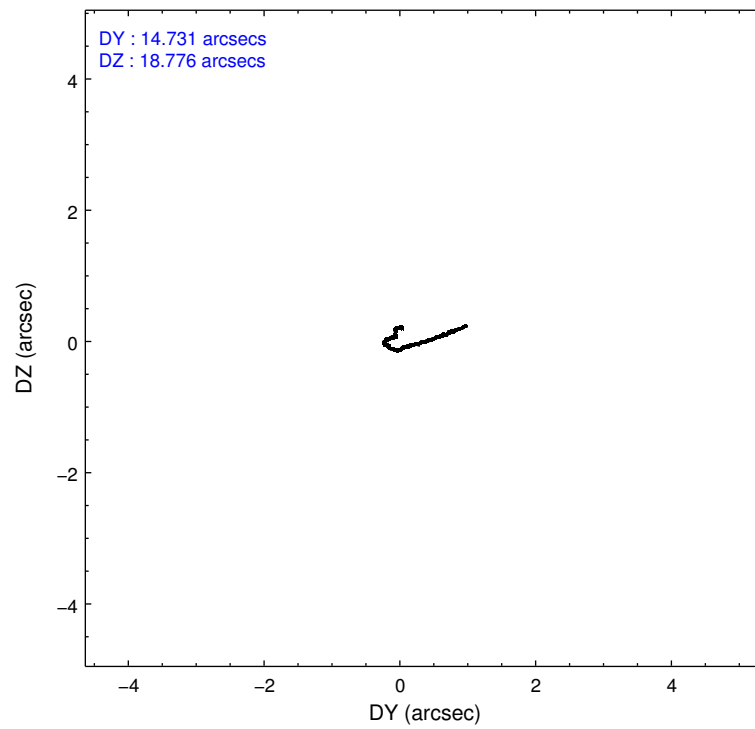
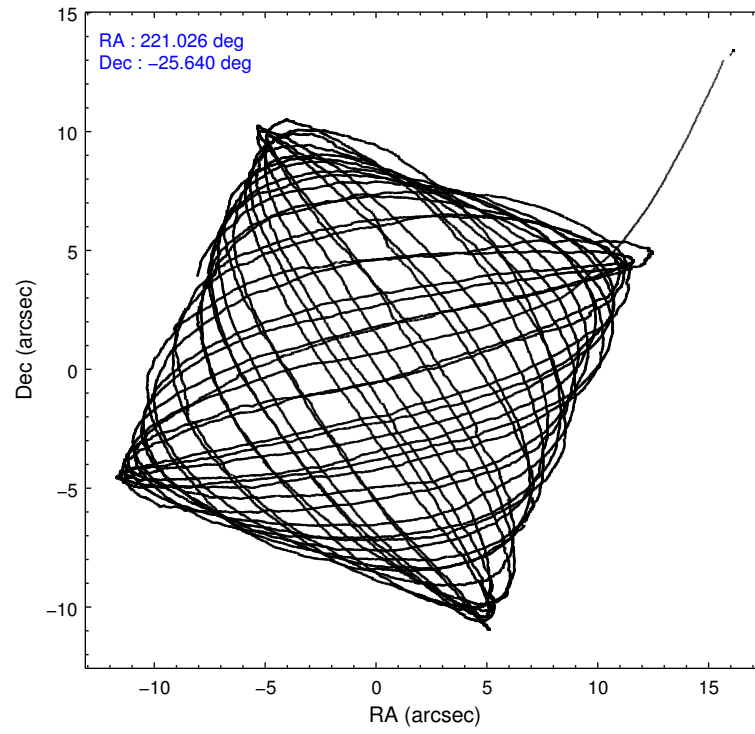
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	185453	109198	144207	143695
rejected events	93249	95951	80734	104758
rejected %	50%	87%	55%	72%

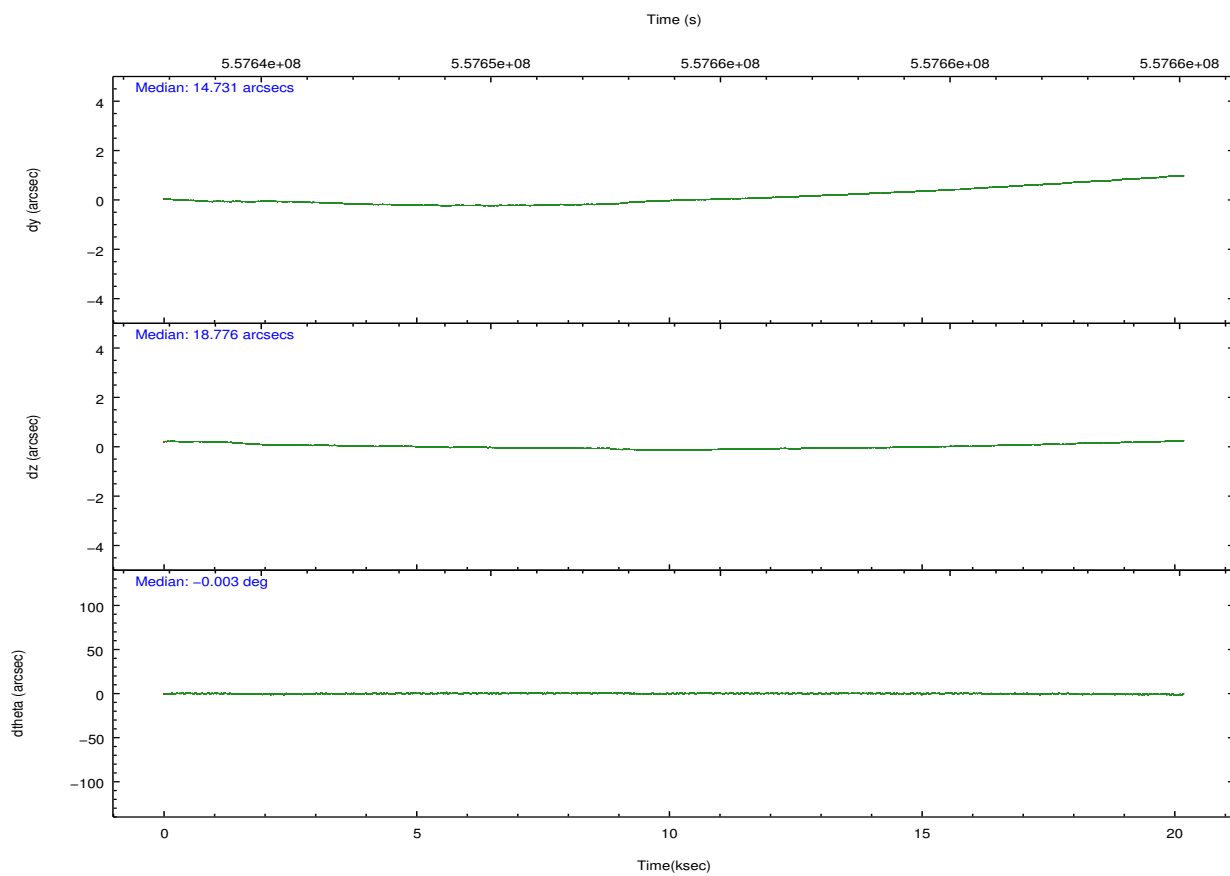
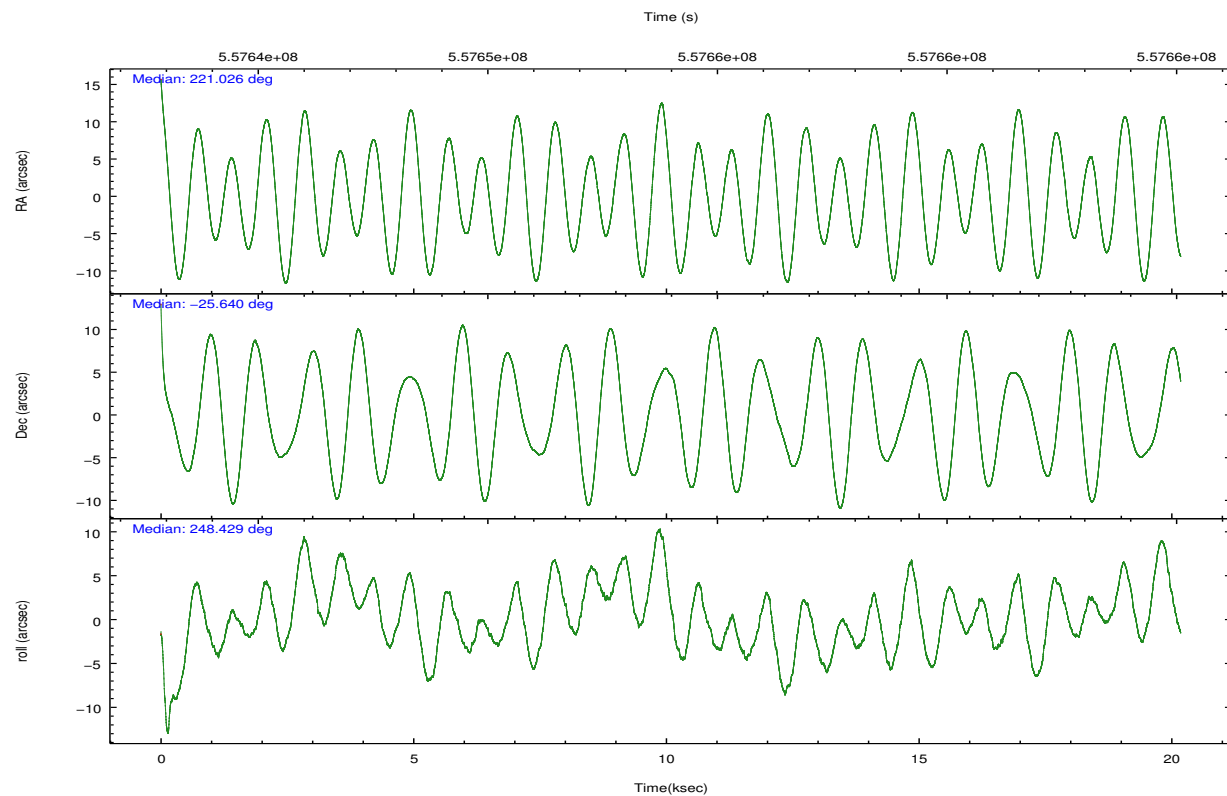
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	10764	4570	5699	11458
	5%	4%	3%	7%
grade 1 events	320	64	198	112
	0%	0%	0%	0%
grade 2 events	29662	2988	13123	9172
	15%	2%	9%	6%
grade 3 events	2983	1342	5374	4005
	1%	1%	3%	2%
grade 4 events	2808	1367	5270	3844
	1%	1%	3%	2%
grade 5 events	13275	5481	14705	7896
	7%	5%	10%	5%
grade 6 events	46000	2983	34020	10458
	24%	2%	23%	7%
grade 7 events	79641	90403	65818	96750
	42%	82%	45%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	221.021153	221.0260194075446	Subarray requested	NONE	NONE
[deg] Pointing Dec	-25.613031	-25.64011496575956	Alternating exposures requested	N	N
[deg] Pointing Roll	248.274548	248.4332859451318	[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)	557644079.184000	557642758.66503			
Observation start date	2015-09-03T05:06:51	2015-09-03T04:45:58			
[s] Observation end time (MET)	557664079.184000	557665080.60379			
Observation end date	2015-09-03T10:40:11	2015-09-03T10:58:00			
Read mode	TIMED	TIMED			

2.3 Aspect



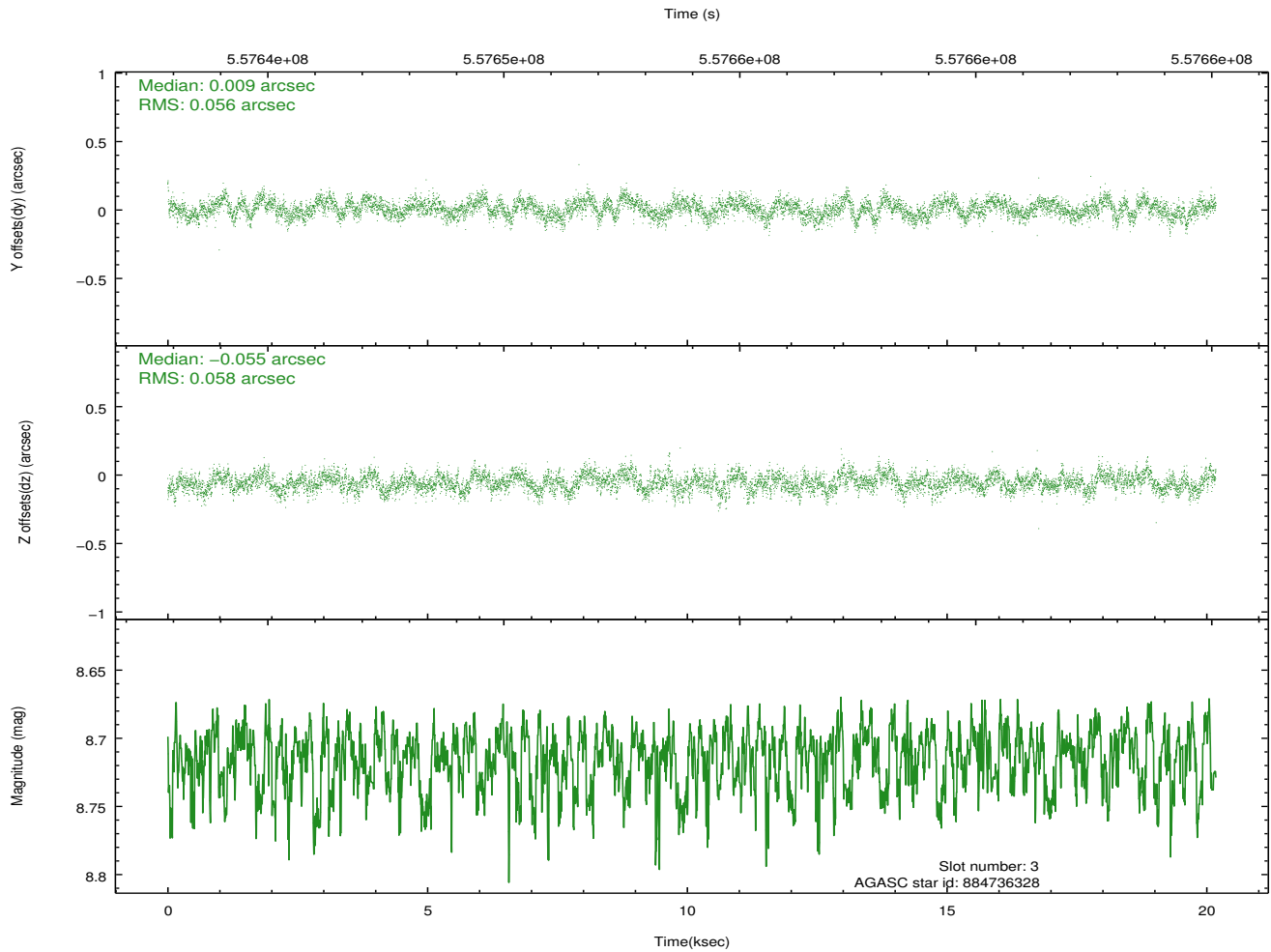
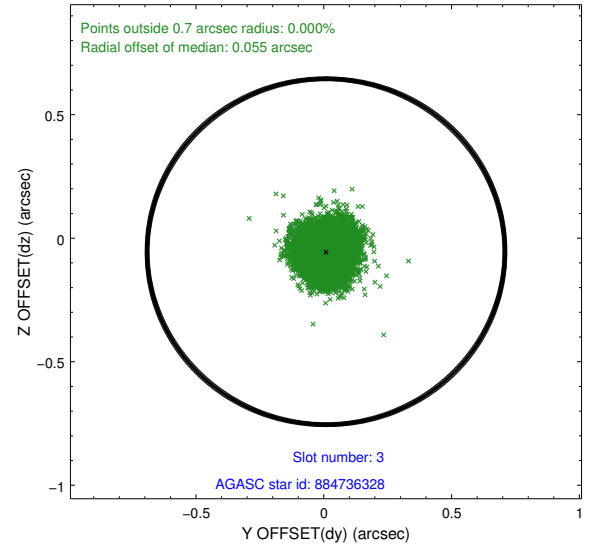
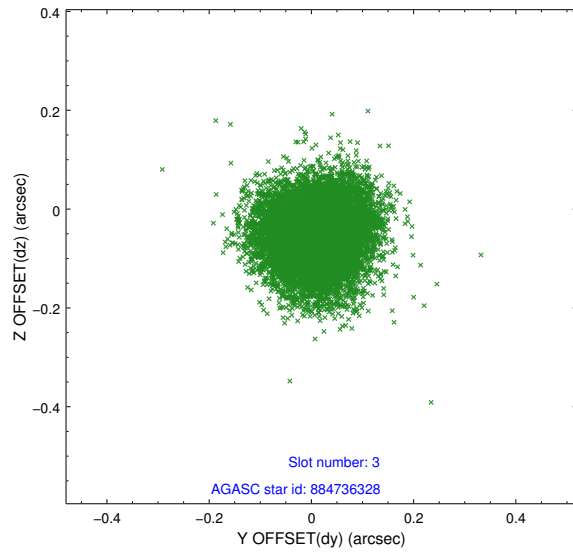


Slot Statistics

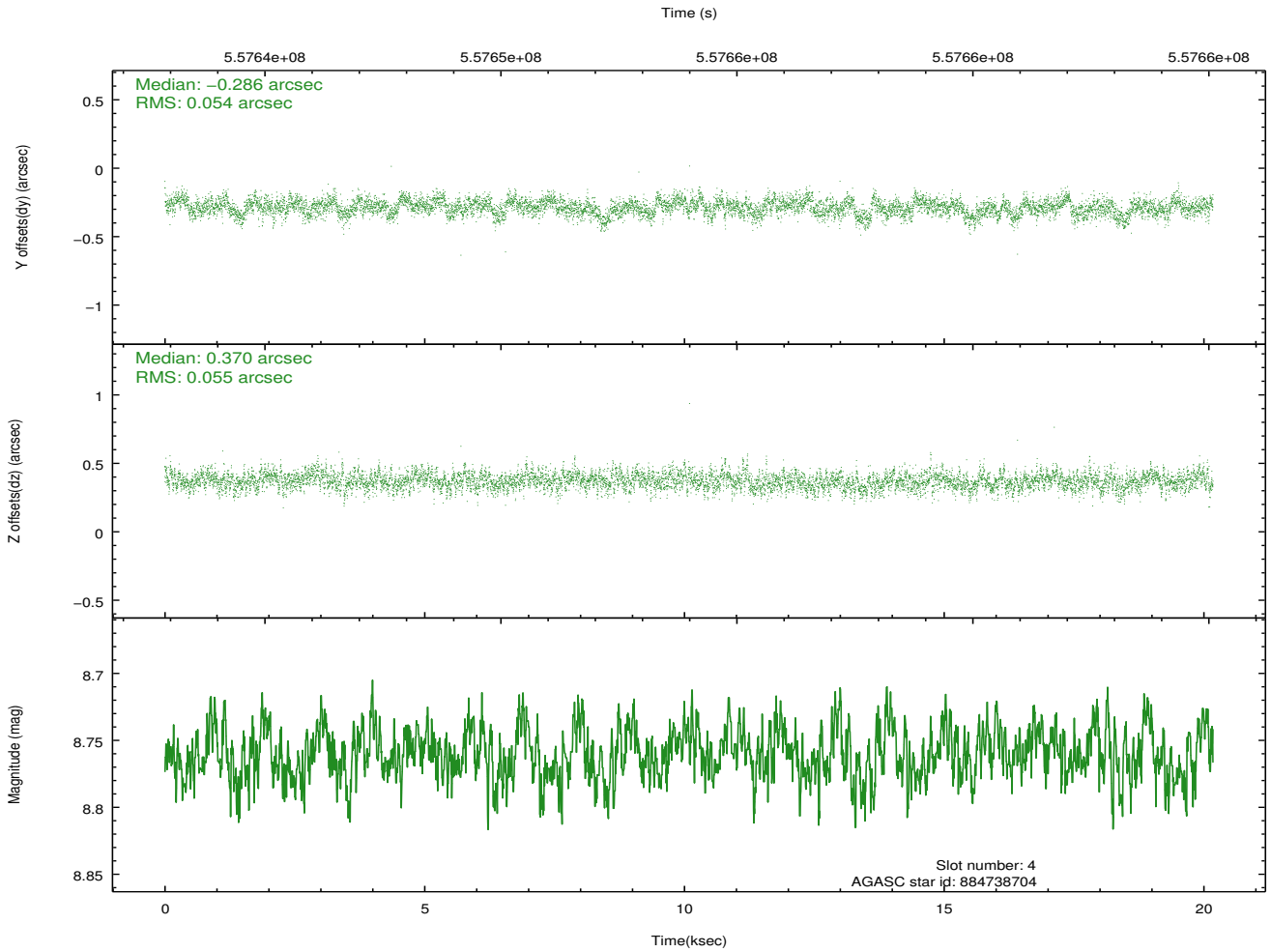
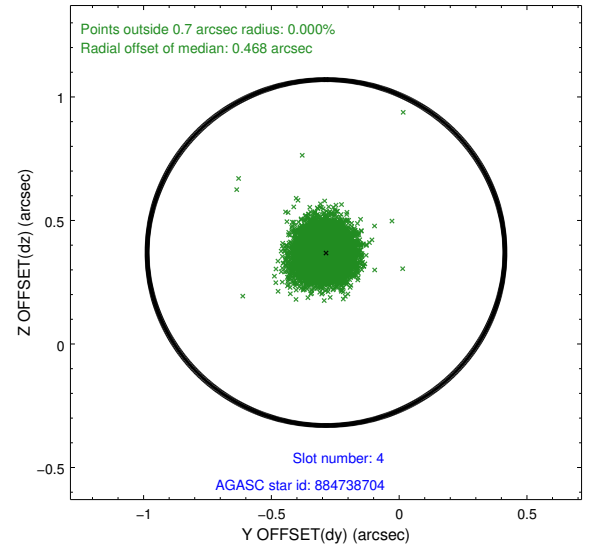
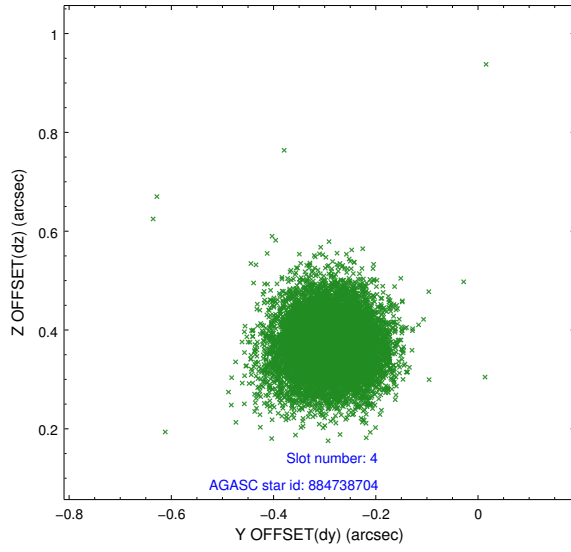
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	4922	-0.109	-0.098	0.012	0.017	0.000000	0.000000	-767.97	-1740.36
1	FID		ACIS-S-4	7.20	4922	0.324	0.079	0.008	0.014	0.000000	0.000000	2145.69	168.06
2	FID		ACIS-S-5	7.23	4922	-0.249	0.028	0.016	0.027	0.000000	0.000000	-1820.68	161.95
3	GUIDE	used	884736328	8.71	9840	0.009	-0.055	0.087	0.137	220.617292	-25.740493	913.38	-1045.72
4	GUIDE	used	884738704	8.76	9837	-0.286	0.370	0.081	0.133	221.264901	-25.828642	429.50	1021.90
5	GUIDE	used	884741680	8.63	9840	0.187	-0.327	0.099	0.156	220.956782	-26.012595	1413.99	339.17
6	GUIDE	used	884746808	8.31	9841	0.023	0.053	0.079	0.126	220.791763	-25.110174	-1402.77	-1365.26
7	GUIDE	used	884744312	8.78	9840	0.068	-0.039	0.078	0.126	220.936561	-24.984917	-1997.96	-1093.47

2.4 Star Slots

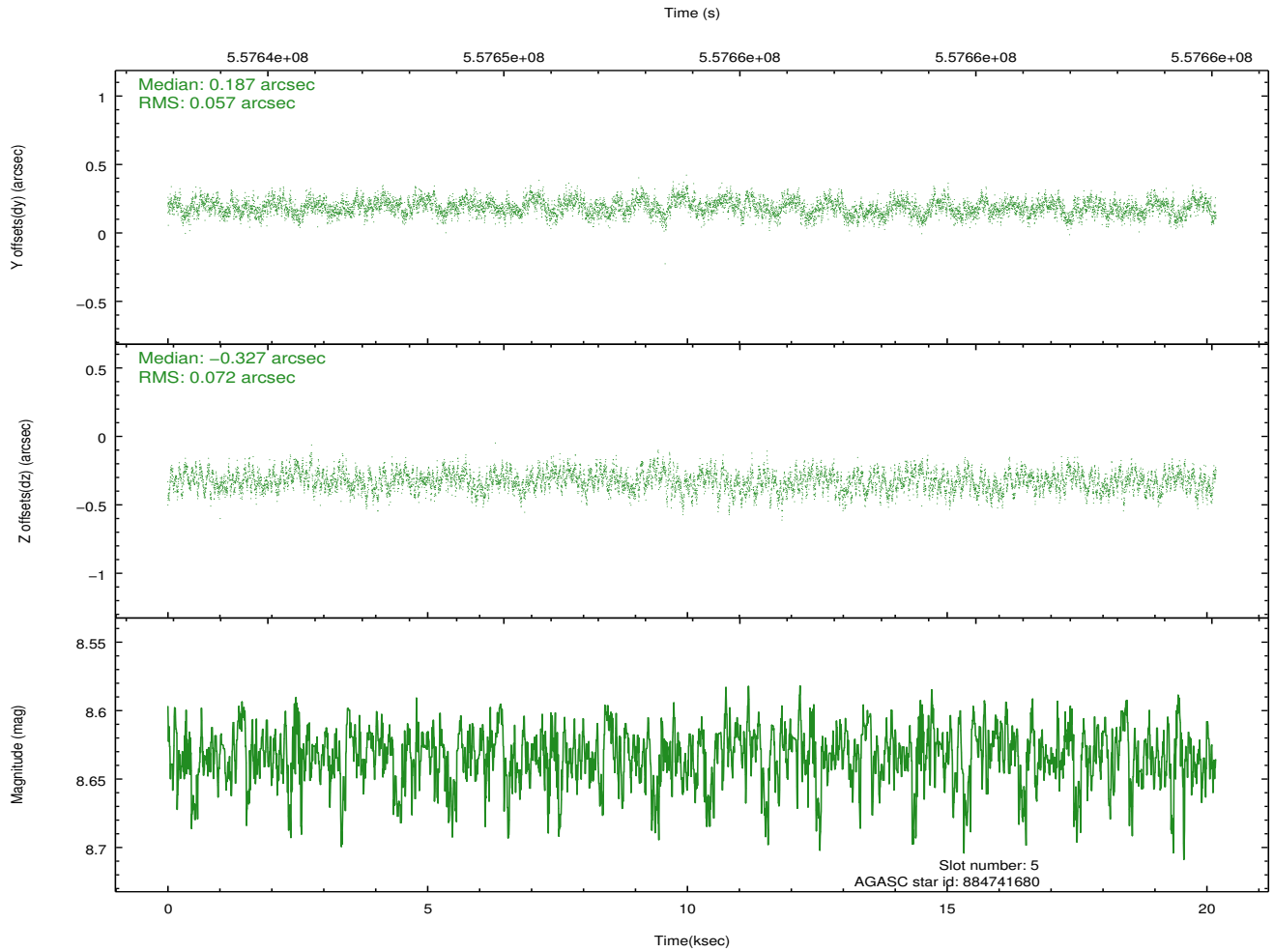
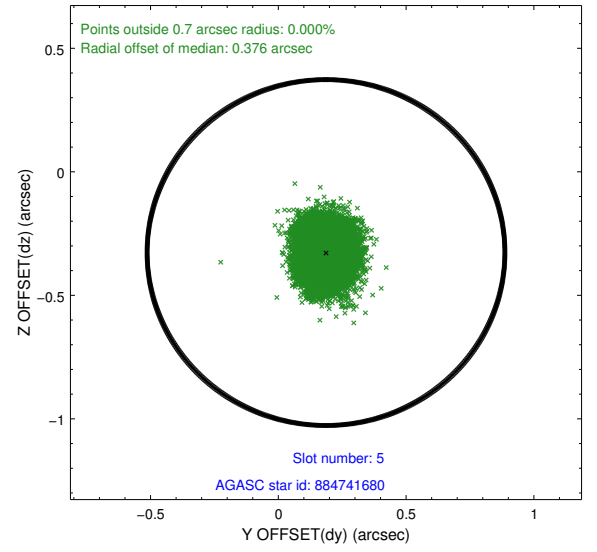
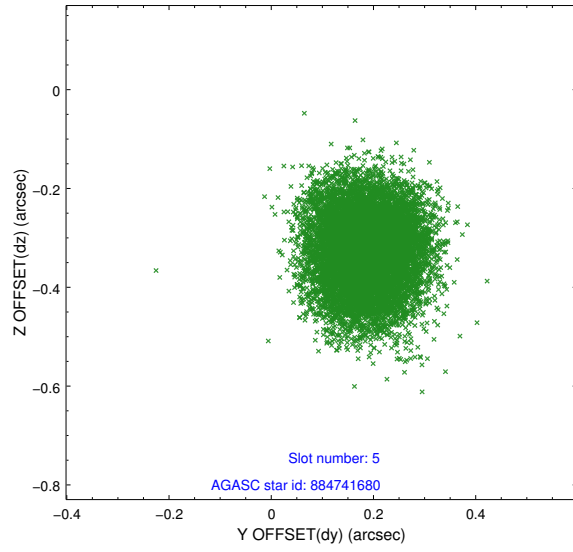
2.4.1 Slot 3



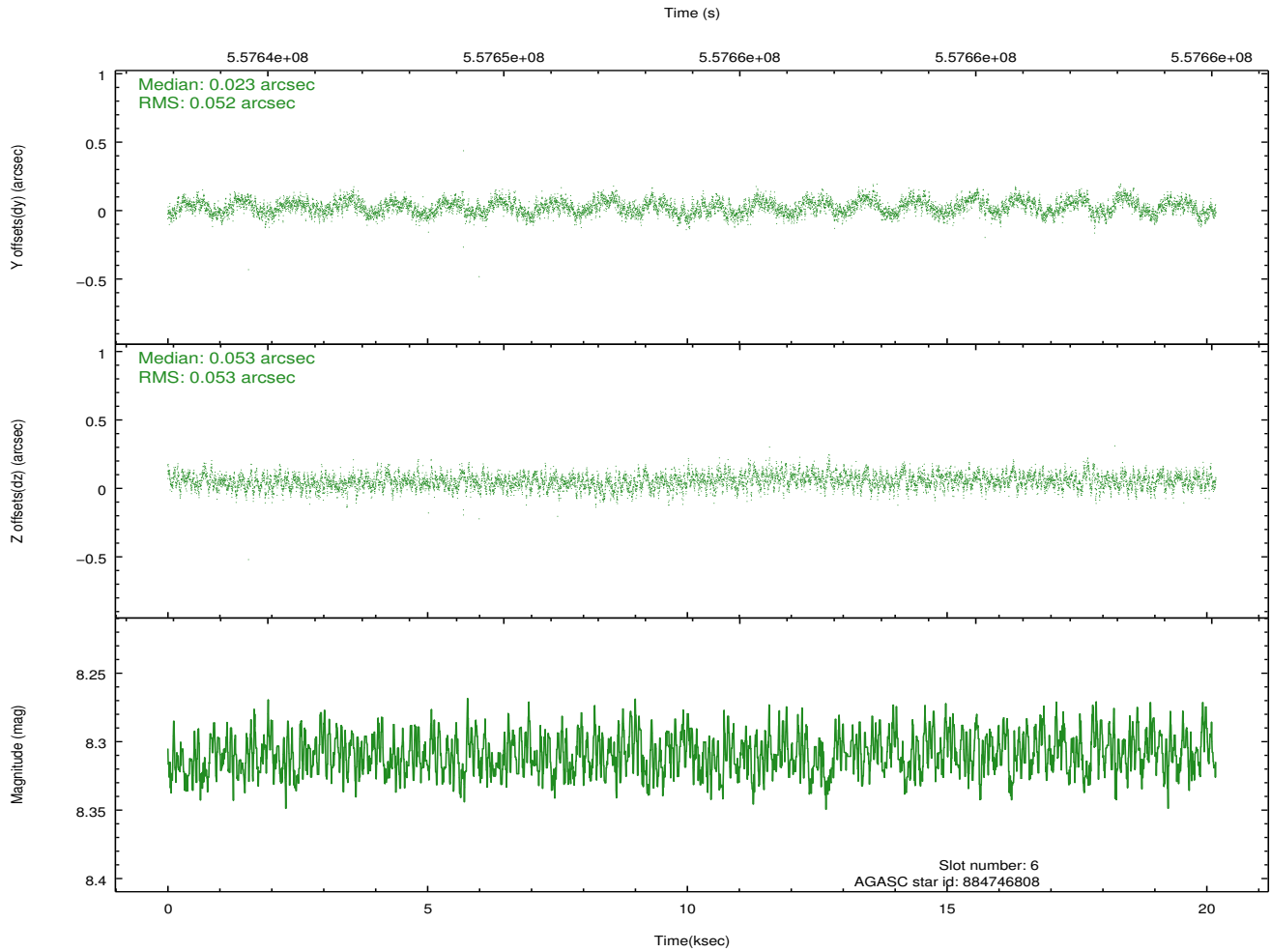
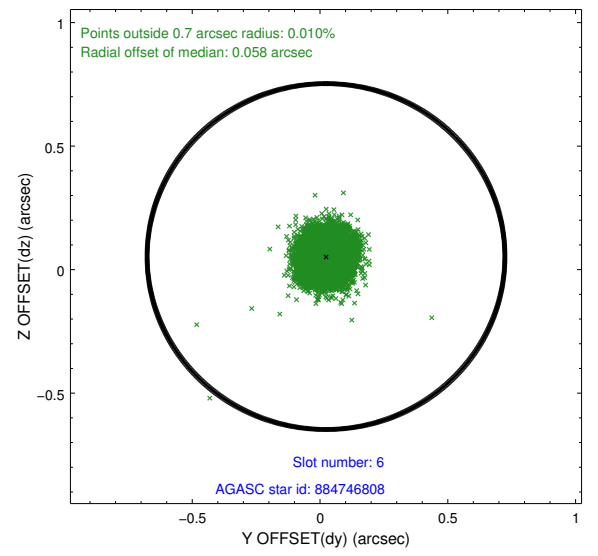
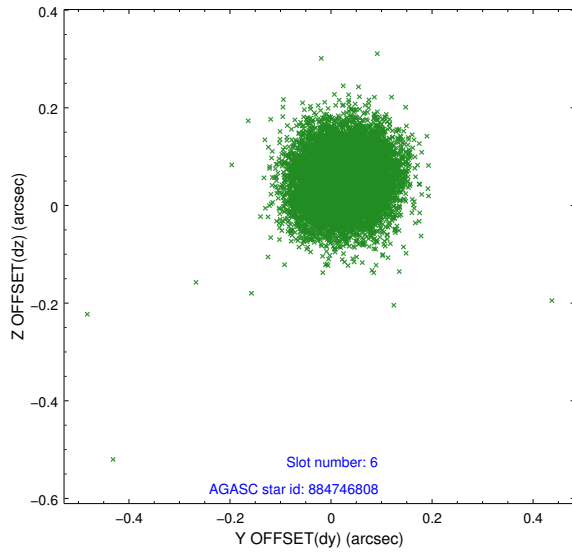
2.4.2 Slot 4



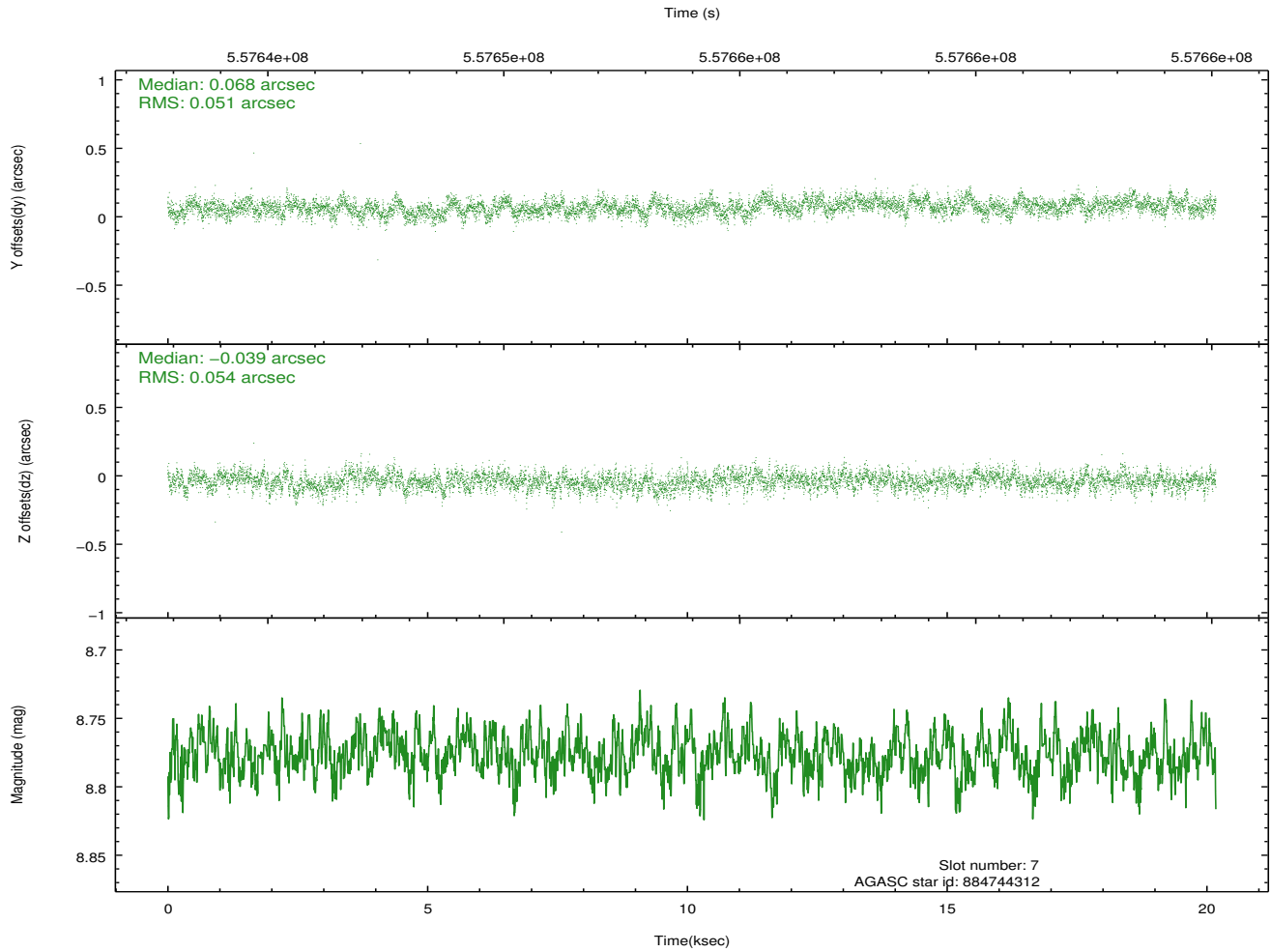
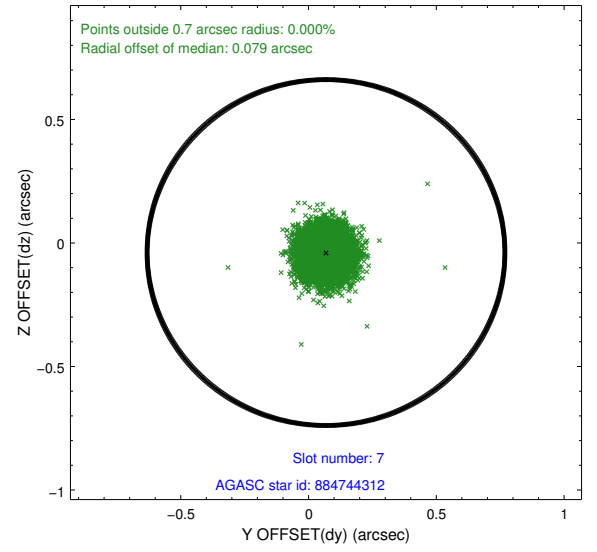
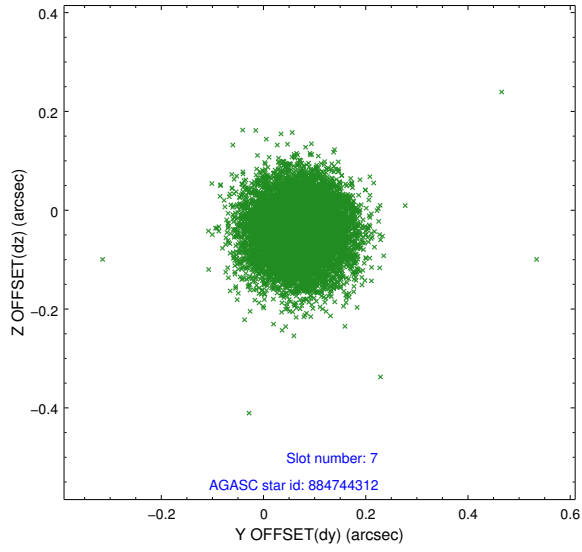
2.4.3 Slot 5



2.4.4 Slot 6

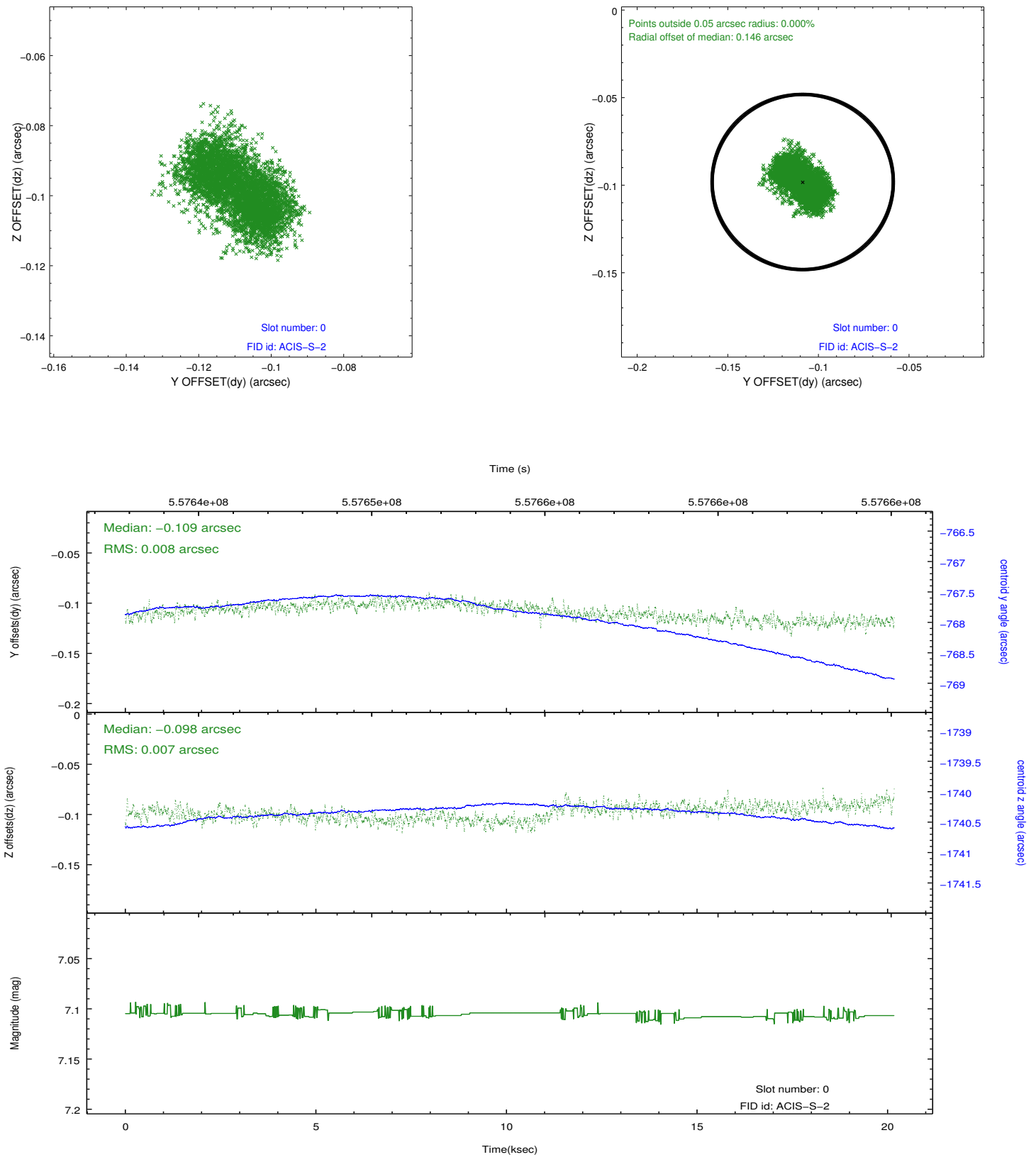


2.4.5 Slot 7

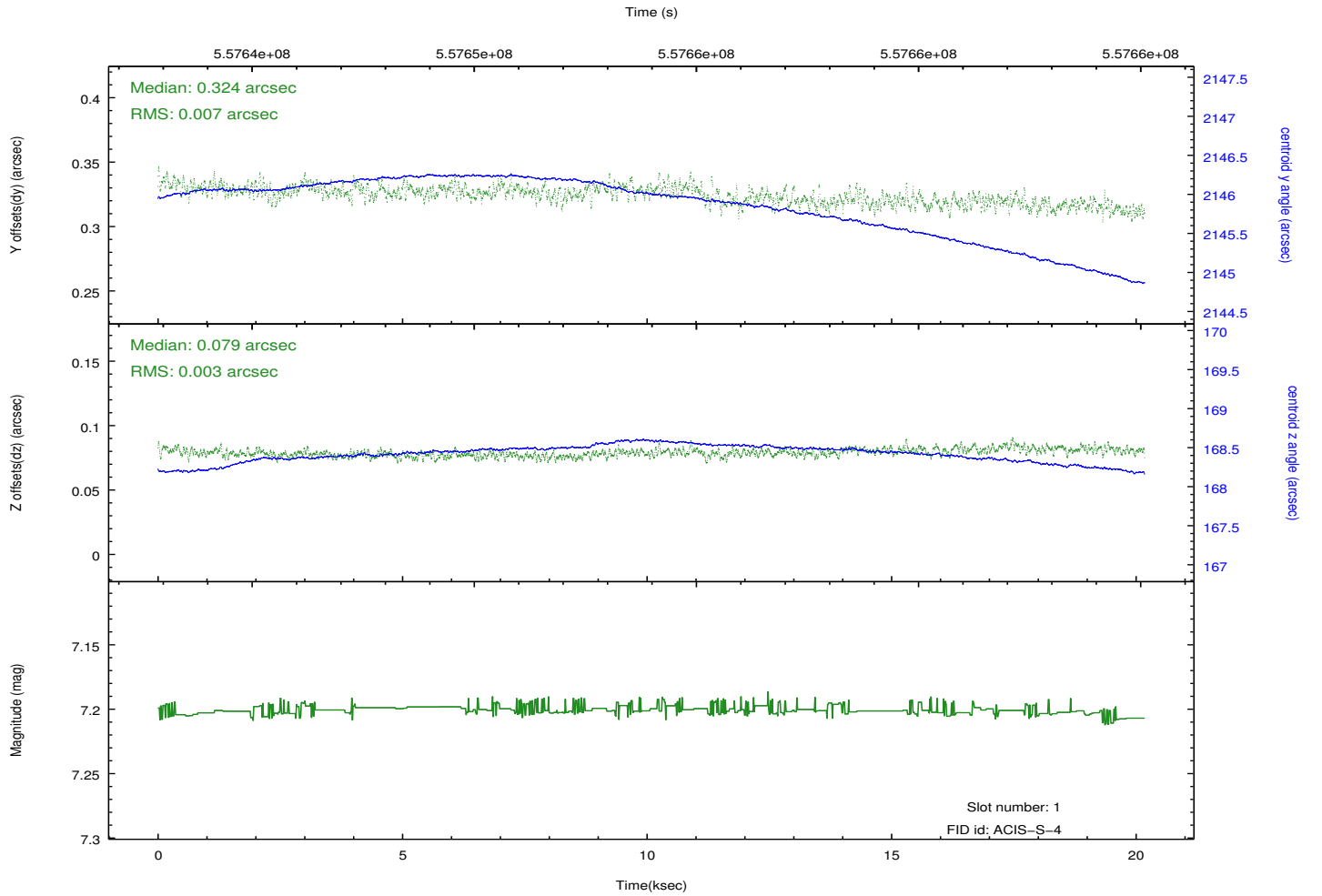
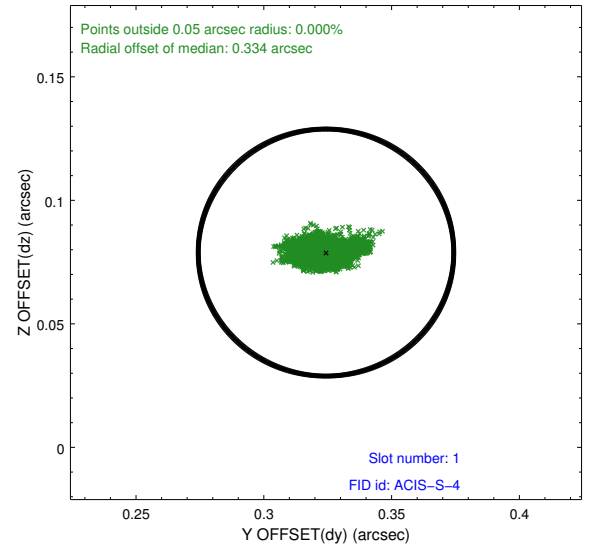
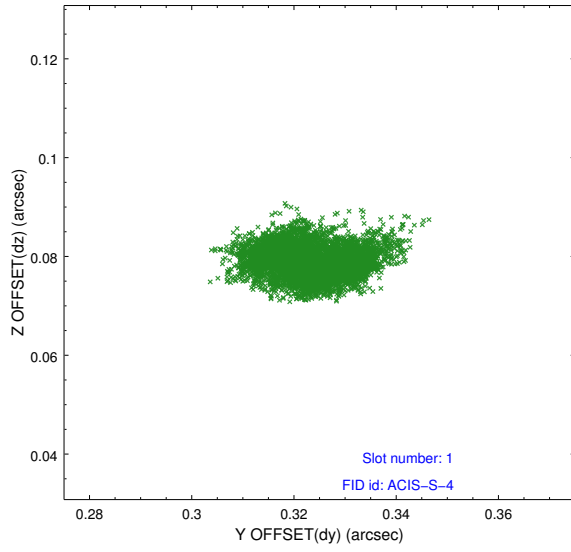


2.5 FID Slots

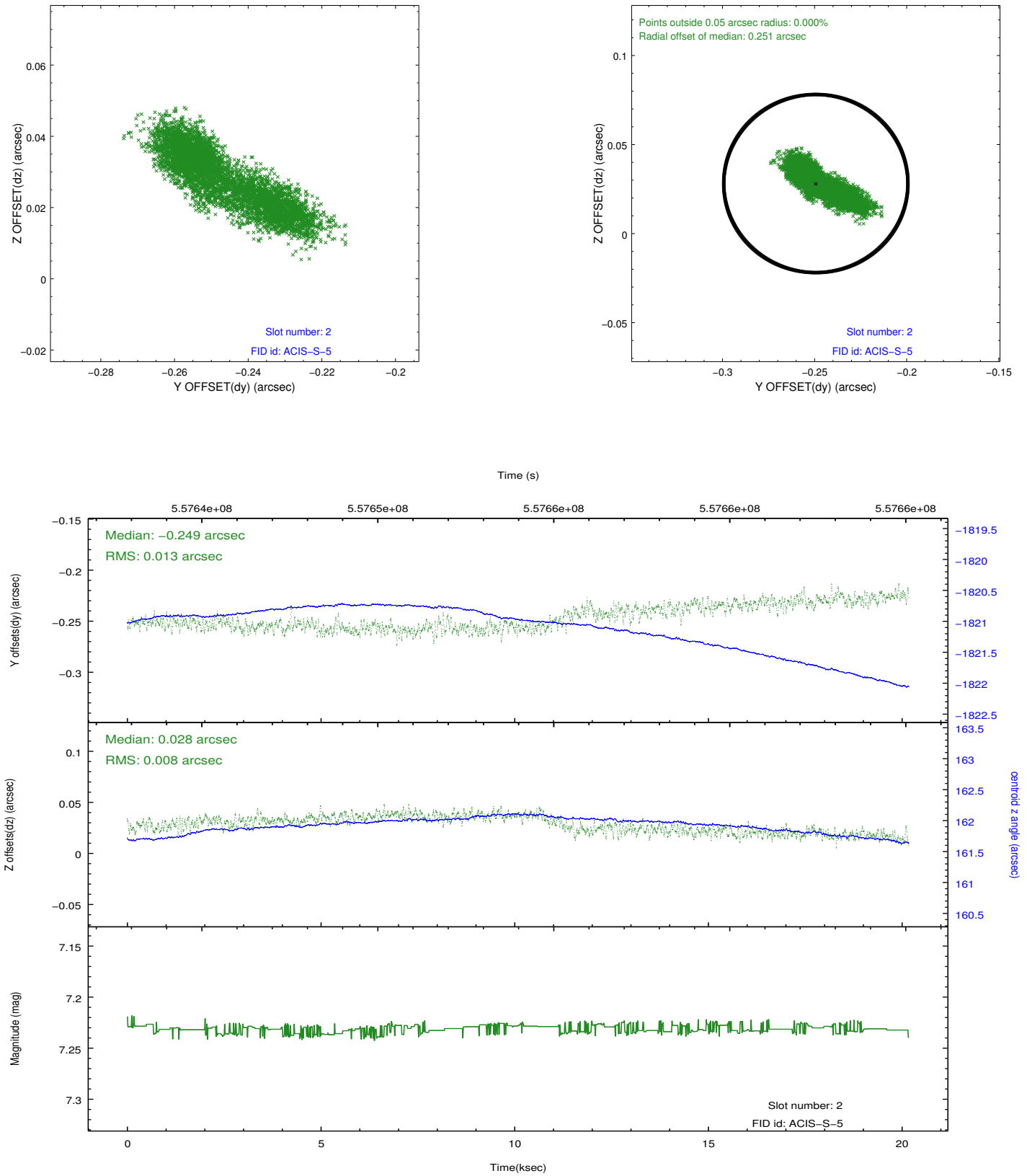
2.5.1 Slot 0



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)	2015.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.069400154471

A.2 Comments