

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19733 - L2 Version 1
Chandra X-Ray Center

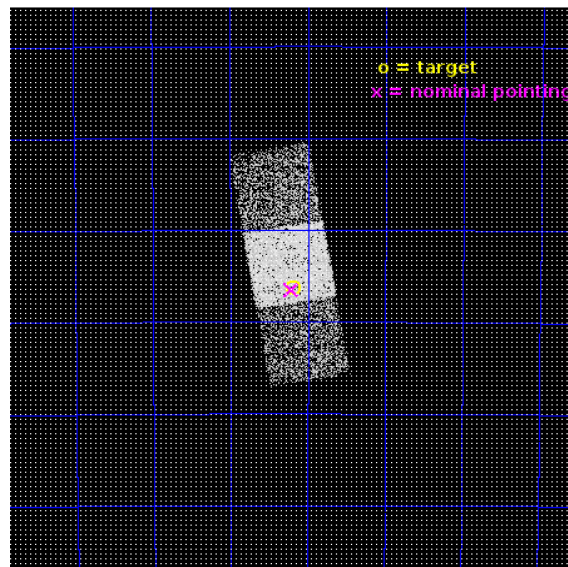
L2 Processing Date : Apr 3 2017

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1 Front

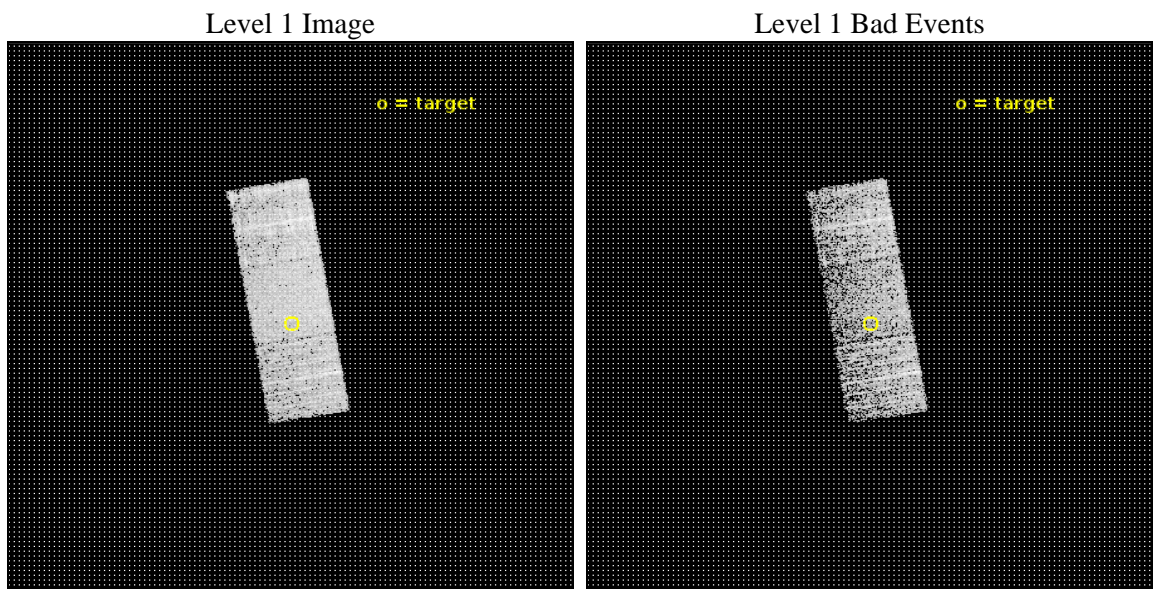
seq_num	703448	Sequence number
obs_id	19733	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W0615-5716	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	93.79625	Observer's specified target RA [deg]
dec_targ	-57.270722	Observer's specified target Dec [deg]
ra_nom	93.802851699335	Nominal RA [deg]
dec_nom	-57.275038743754	Nominal Dec [deg]
roll_nom	260.06535617295	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3109.3000240326	Sum of GTIs [s]
livetime	3068.6747301852	Livetime [s]
ontime6	3109.3000240326	Sum of GTIs [s]
ontime7	3109.3000240326	Sum of GTIs [s]
ontime8	3109.3000240326	Sum of GTIs [s]
l2events	16163	Number of level 2 events



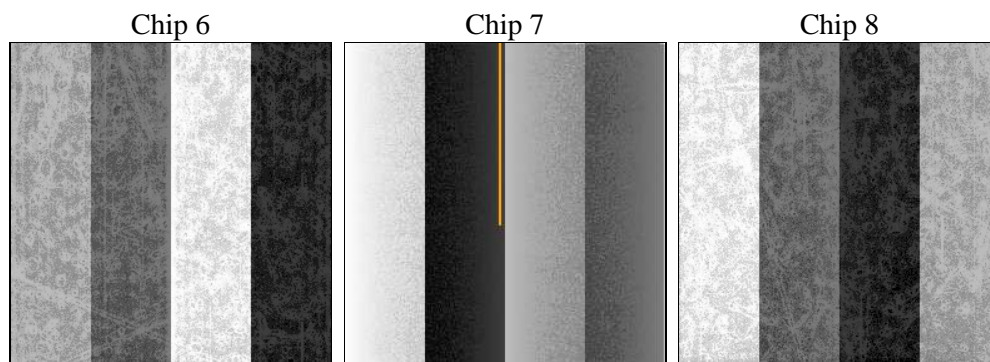
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	3109.3000240326	Sum of GTIs [s]
caldsver	4.7.3	 	ontime6	3109.3000240326	Sum of GTIs [s]
date	2017-04-03T16:50:12	Date and time of file creation	ontime7	3109.3000240326	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3109.3000240326	Sum of GTIs [s]
			l1events	78395	Number of level 1 events

2.1.4 Events

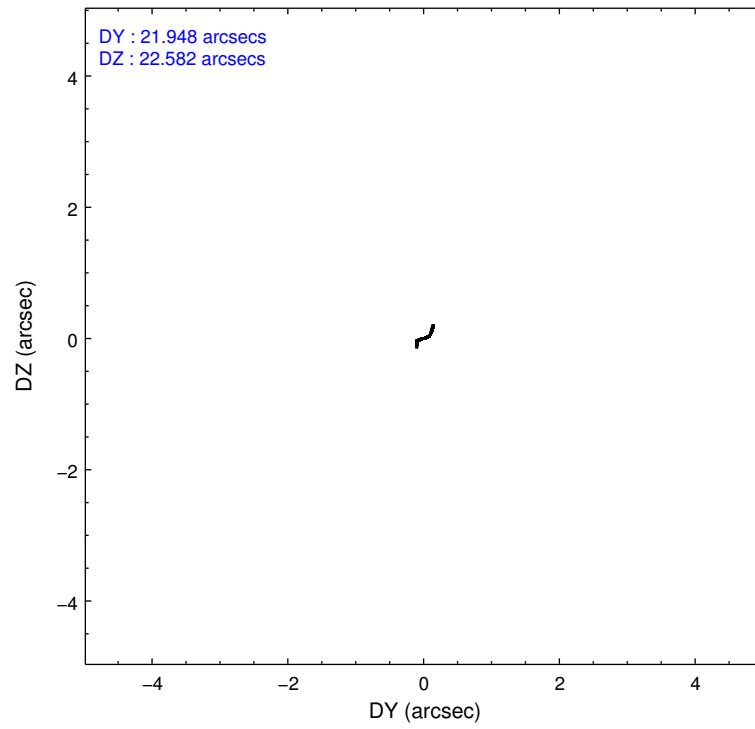
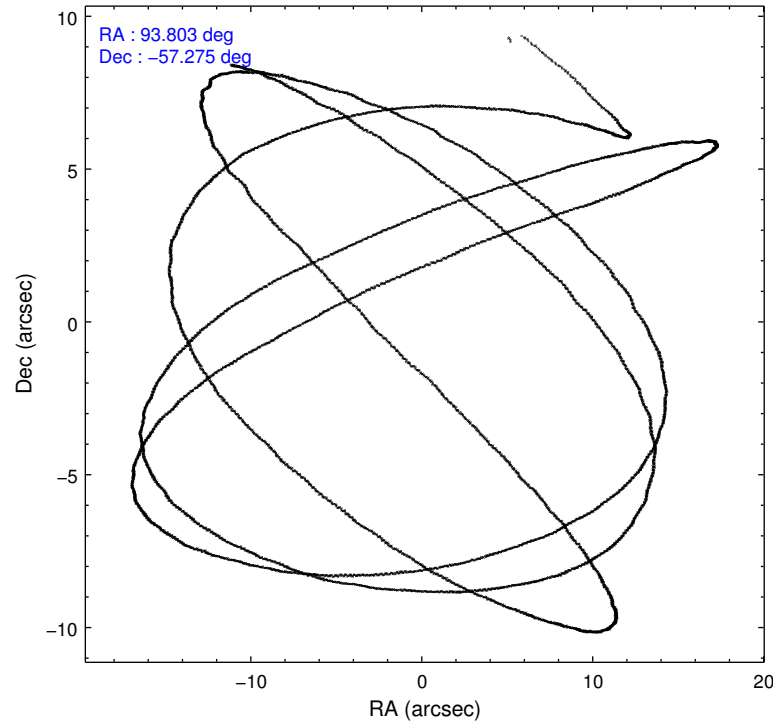
	ccd 6	ccd 7	ccd 8
level 1 events	21472	27340	29583
rejected events	19014	15438	21365
rejected %	88%	56%	72%

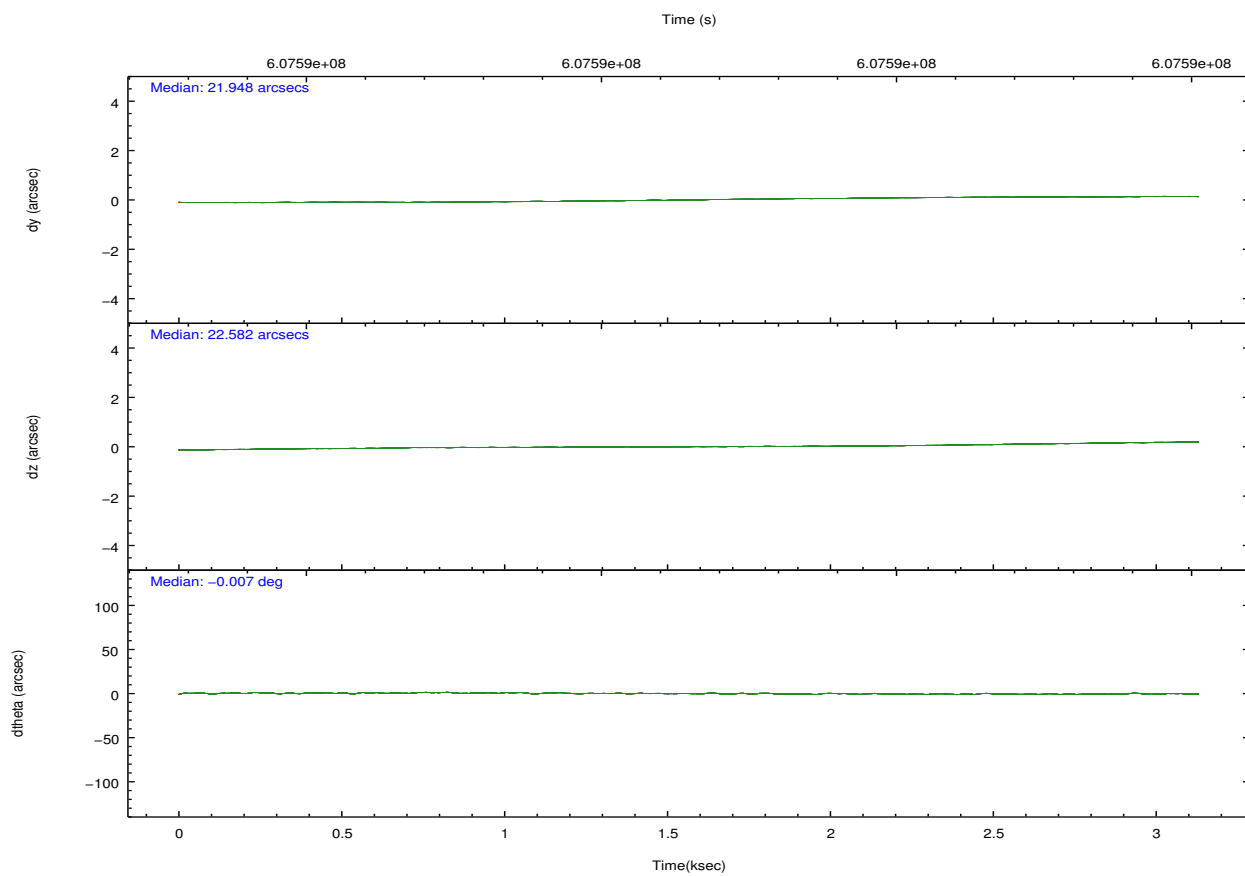
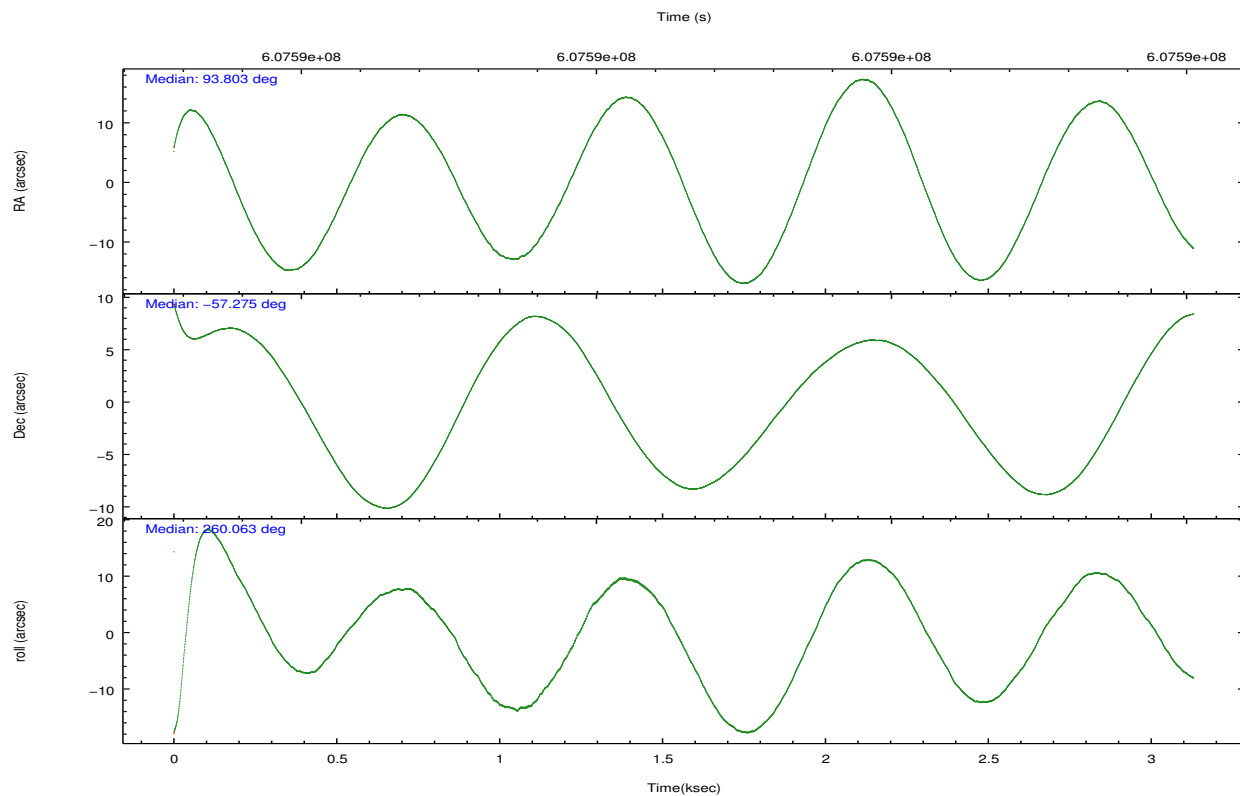
	ccd 6	ccd 7	ccd 8
grade 0 events	832	1043	2453
	3%	3%	8%
grade 1 events	5	32	26
	0%	0%	0%
grade 2 events	560	2480	1915
	2%	9%	6%
grade 3 events	269	987	826
	1%	3%	2%
grade 4 events	237	971	868
	1%	3%	2%
grade 5 events	1010	2785	1537
	4%	10%	5%
grade 6 events	561	6445	2175
	2%	23%	7%
grade 7 events	17998	12597	19783
	83%	46%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	93.784746	93.80285169933481	Subarray requested	NONE	NONE
[deg] Pointing Dec	-57.249468	-57.27503874375374	Alternating exposures requested	N	N
[deg] Pointing Roll	259.893675	260.0653561729547	[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)	607589880.184000	607588859.75045			
Observation start date	2017-04-03T06:56:51	2017-04-03T06:40:59			
[s] Observation end time (MET)	607592880.184000	607593623.95072			
Observation end date	2017-04-03T07:46:51	2017-04-03T08:00:23			
Read mode	TIMED	TIMED			

2.3 Aspect



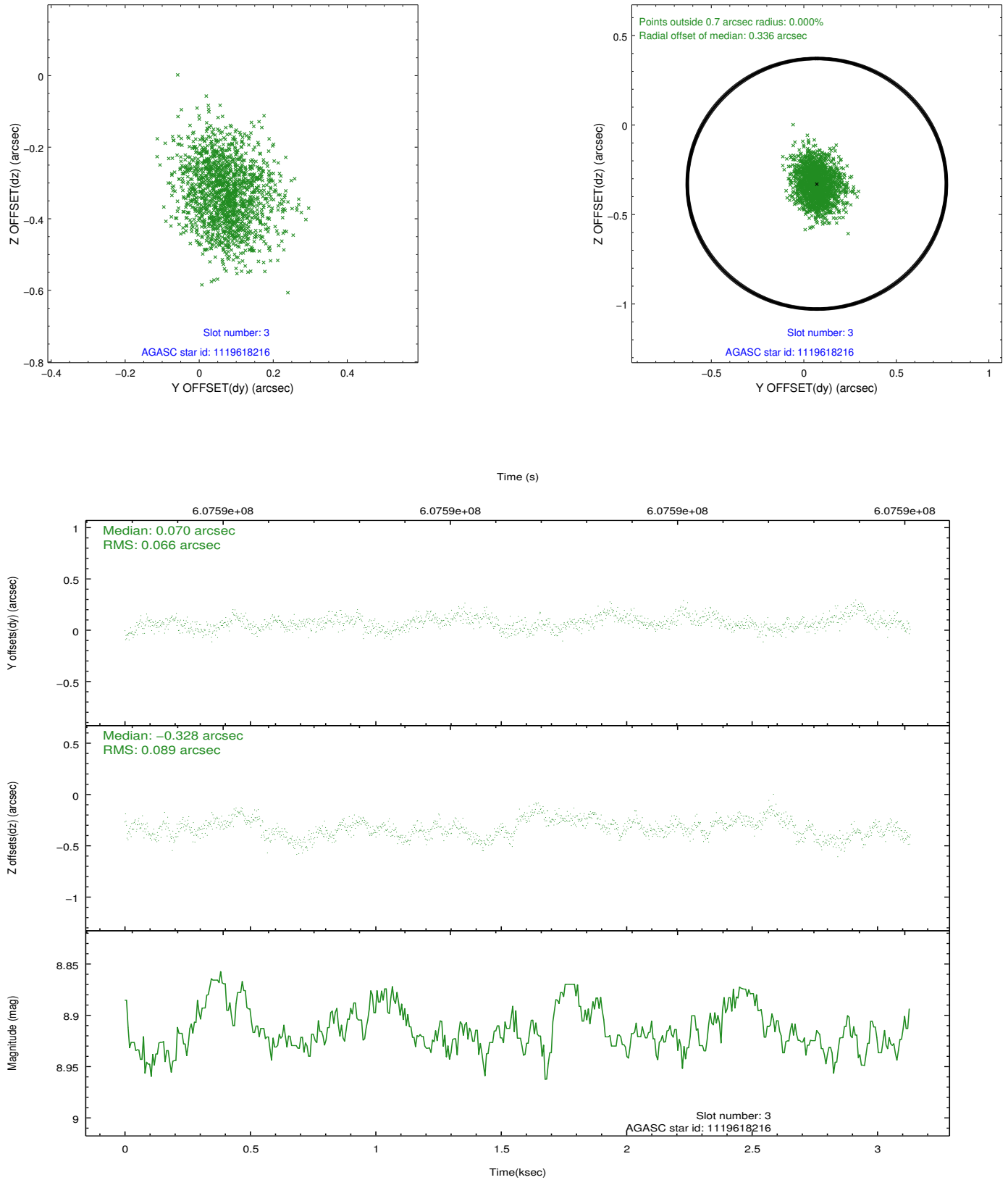


Slot Statistics

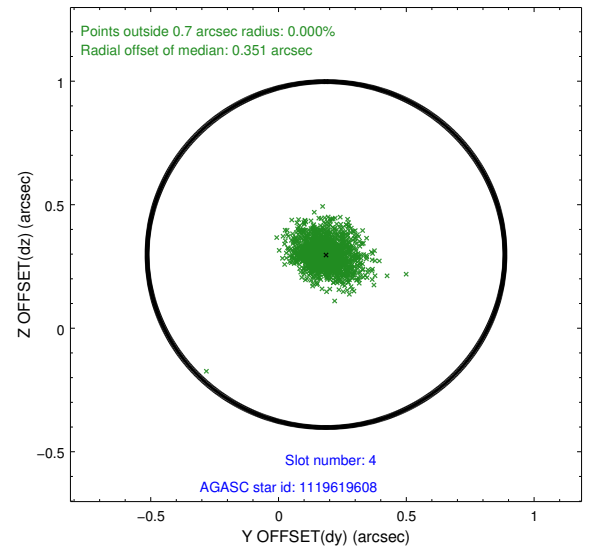
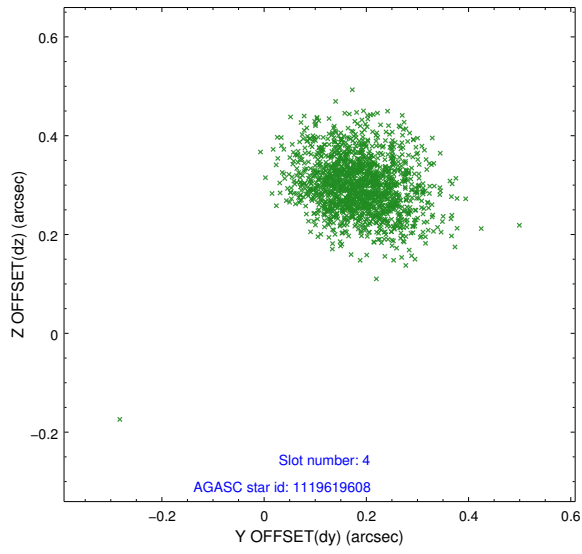
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.12	764	0.038	-0.028	0.008	0.013	0.000000	0.000000	921.00	-1739.81
1	FID		ACIS-S-4	7.13	764	0.406	0.006	0.007	0.011	0.000000	0.000000	2139.84	162.30
2	FID		ACIS-S-5	7.15	764	-0.471	0.034	0.008	0.013	0.000000	0.000000	-1825.83	158.11
3	GUIDE	used	1119618216	8.92	1527	0.070	-0.328	0.120	0.189	93.911968	-57.701545	1559.26	526.97
4	GUIDE	used	1119619608	8.44	1526	0.186	0.298	0.091	0.150	93.578749	-56.938919	-1027.20	-593.47
5	GUIDE	used	1117920360	8.45	1527	0.109	0.043	0.132	0.218	92.689586	-57.826981	2431.98	-1698.93
6	GUIDE	used	1119624728	8.64	1525	-0.290	0.010	0.138	0.207	94.499020	-56.872291	-1574.26	1145.63
7	GUIDE	used	1119628176	9.10	1526	-0.102	-0.009	0.210	0.346	94.785702	-56.680545	-2350.03	1592.78

2.4 Star Slots

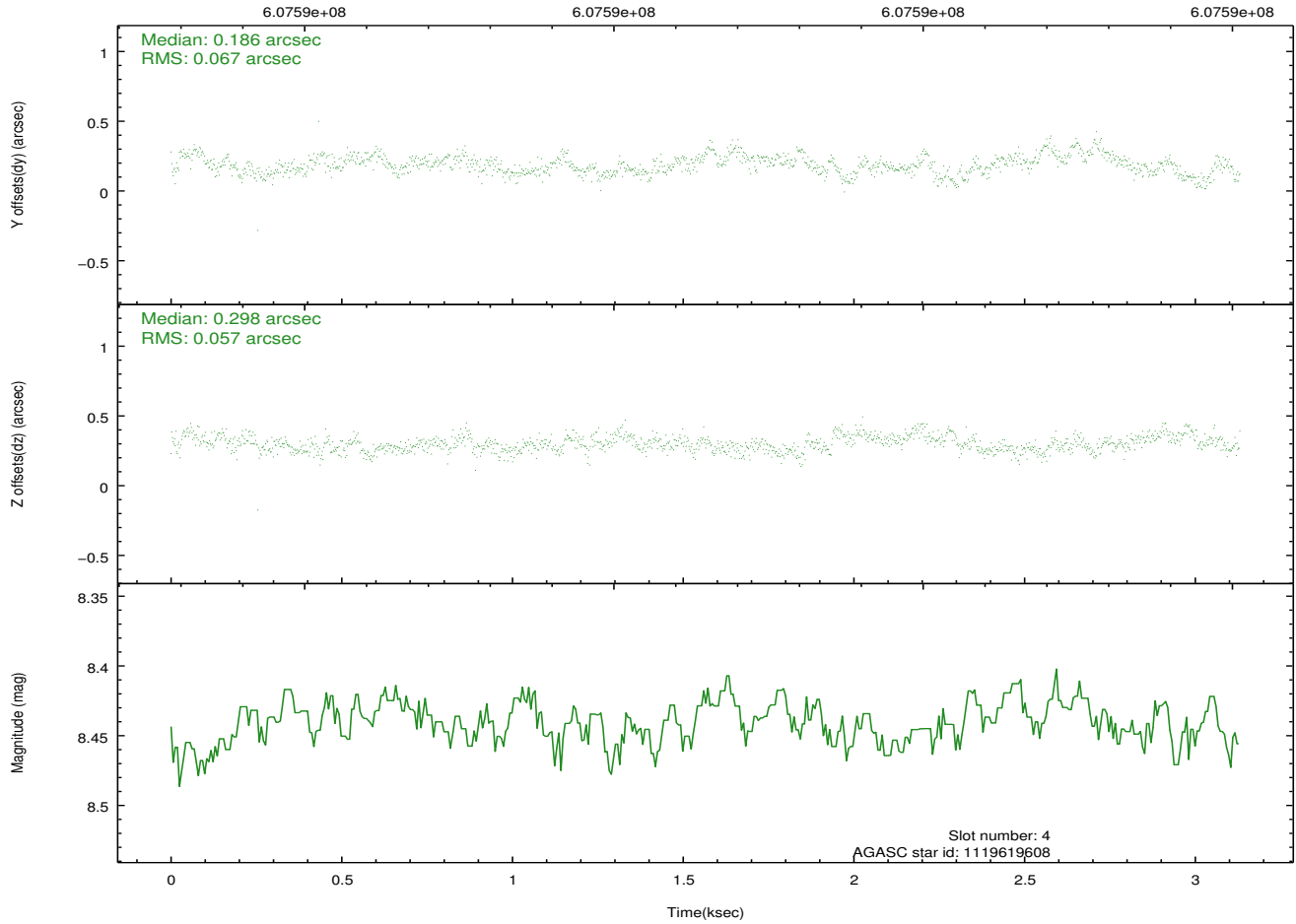
2.4.1 Slot 3



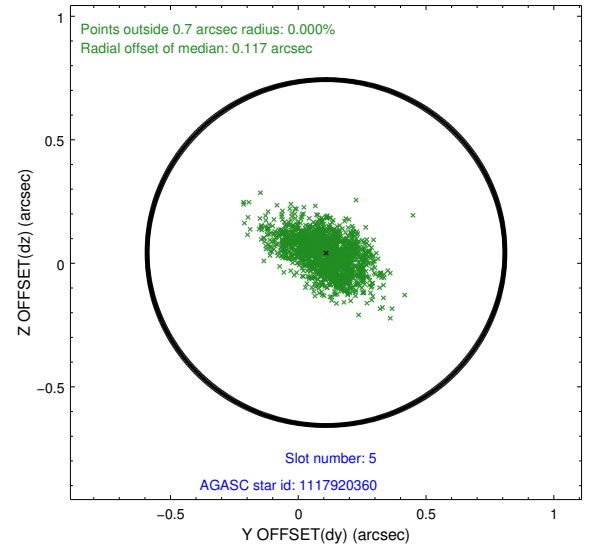
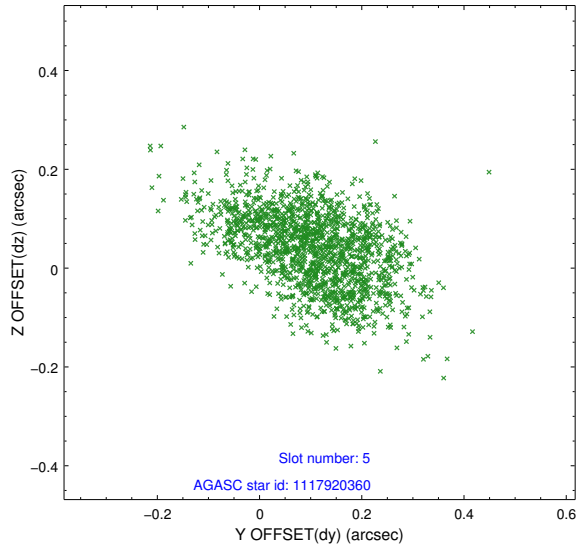
2.4.2 Slot 4



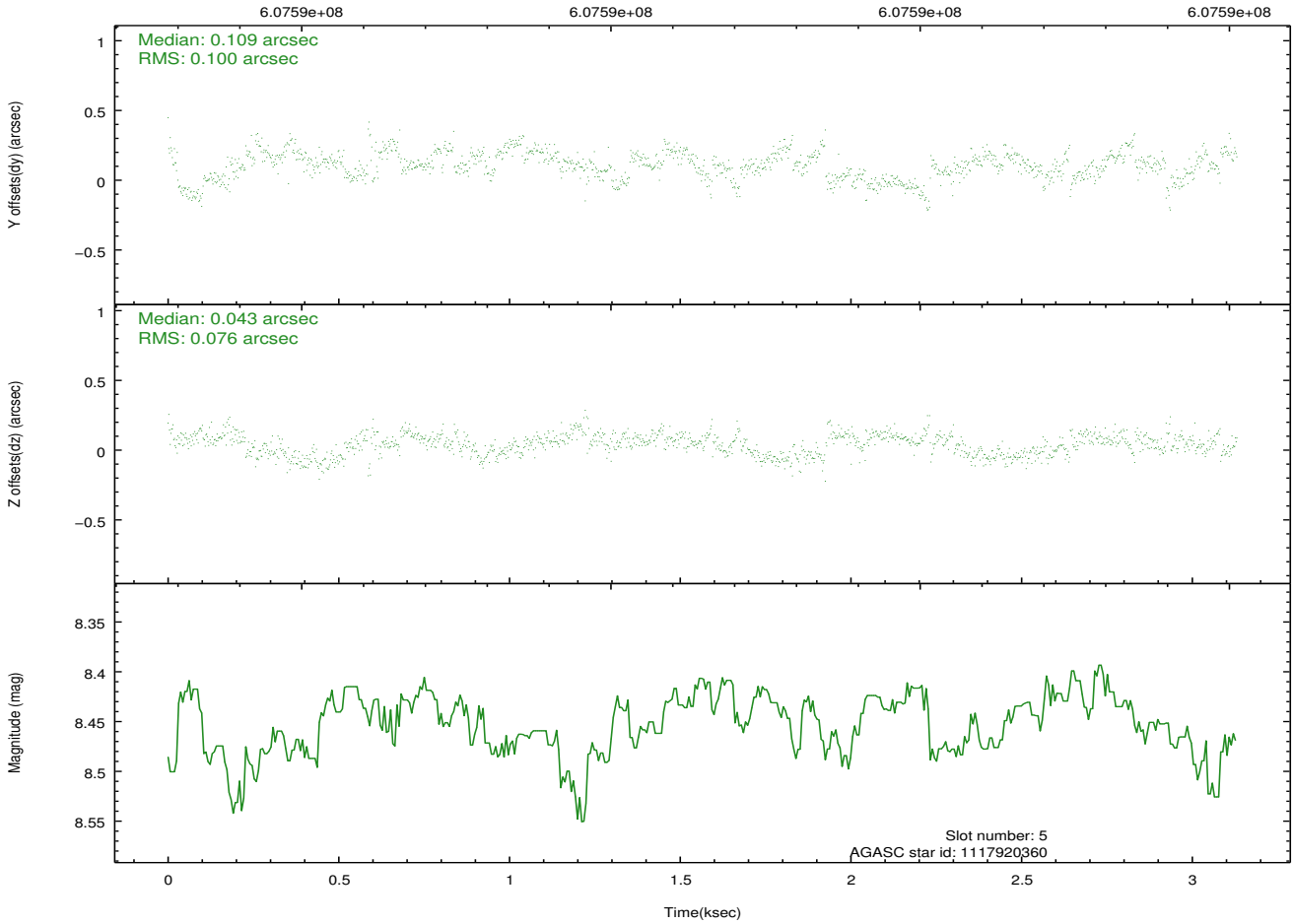
Time (s)



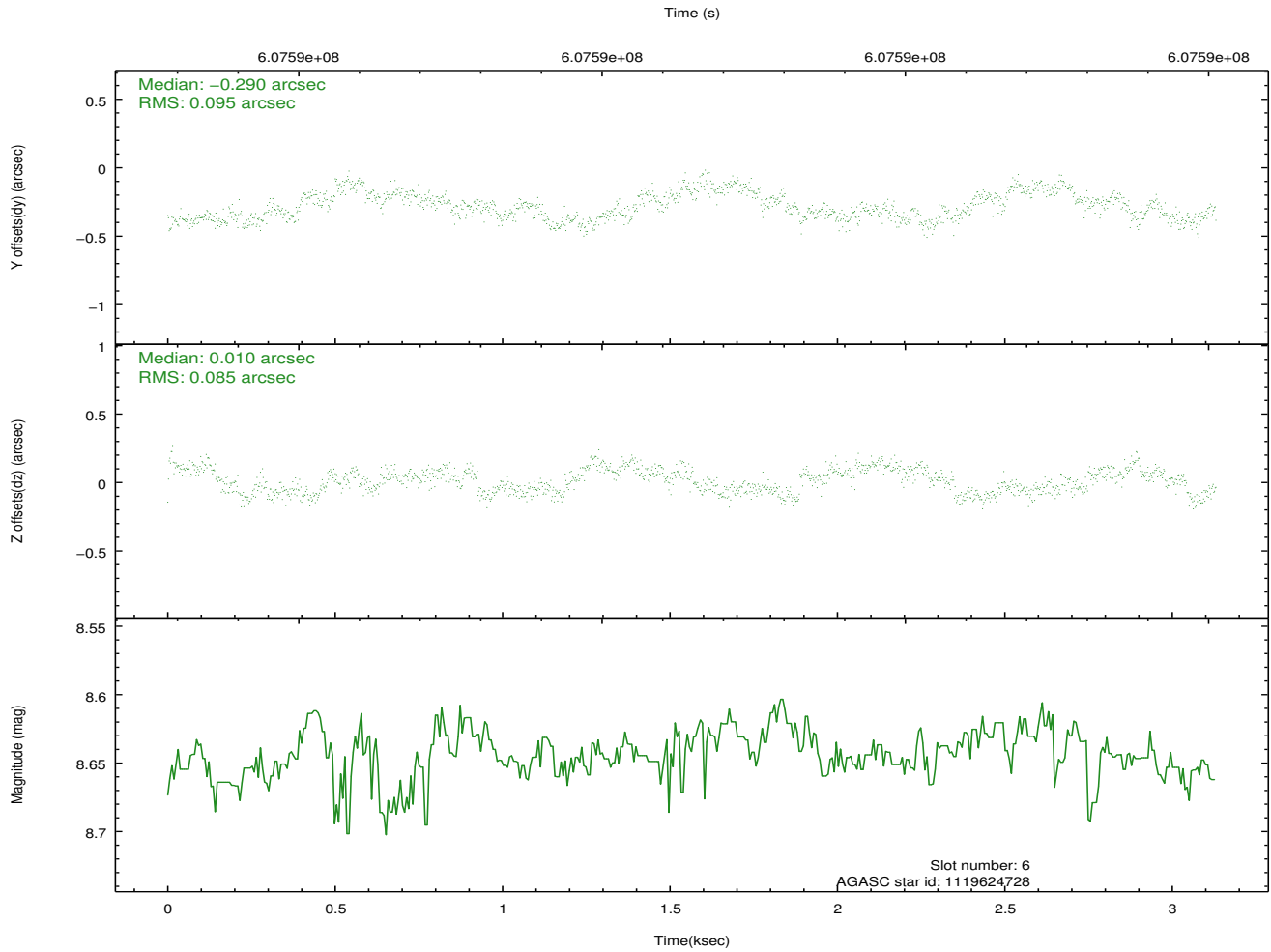
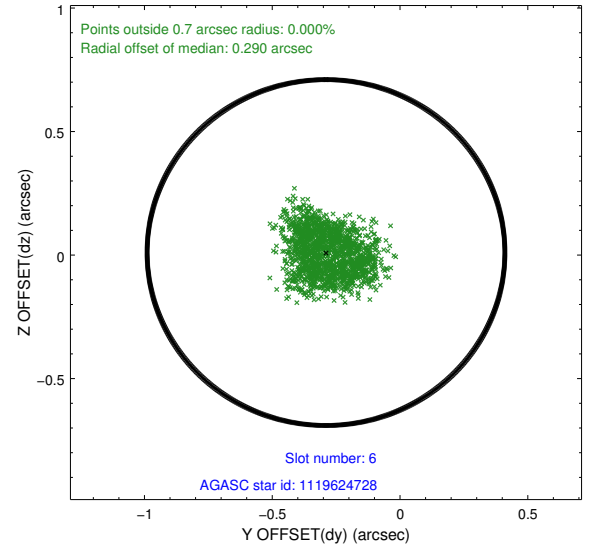
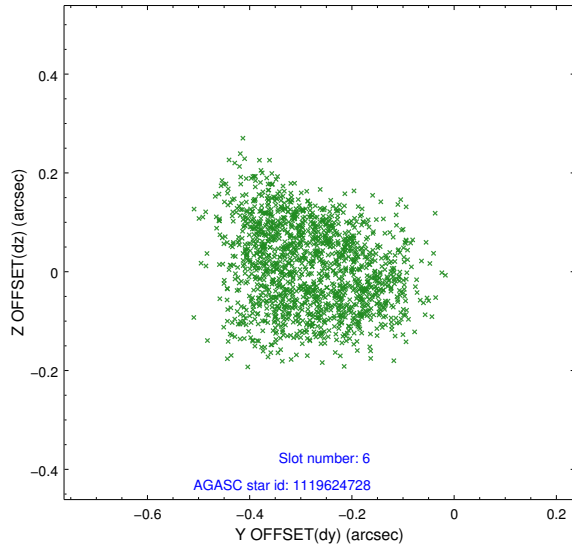
2.4.3 Slot 5



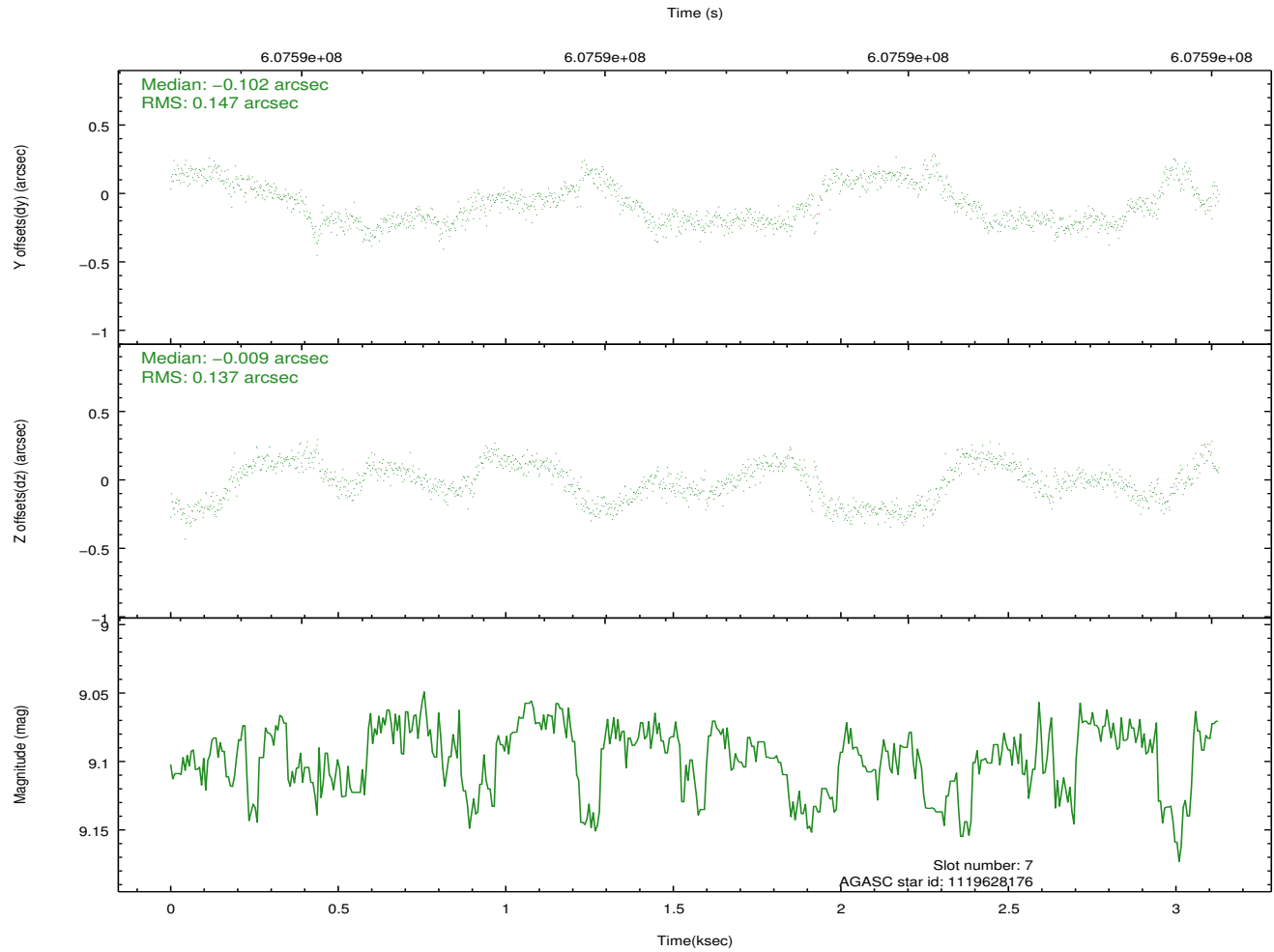
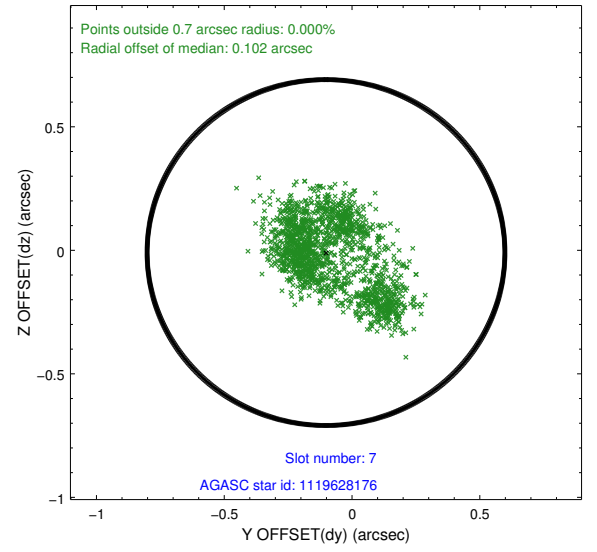
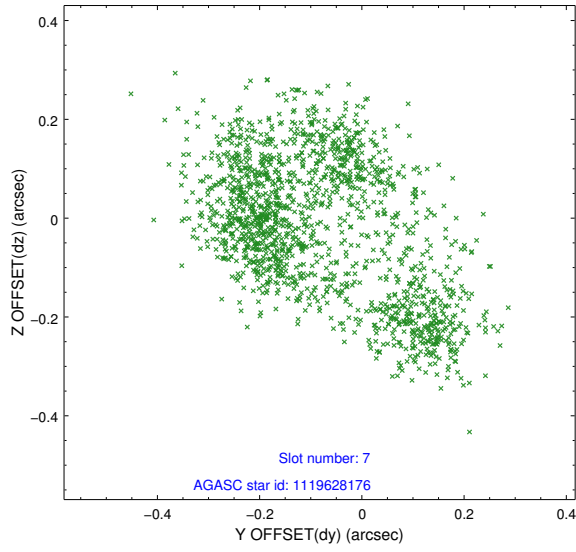
Time (s)



2.4.4 Slot 6

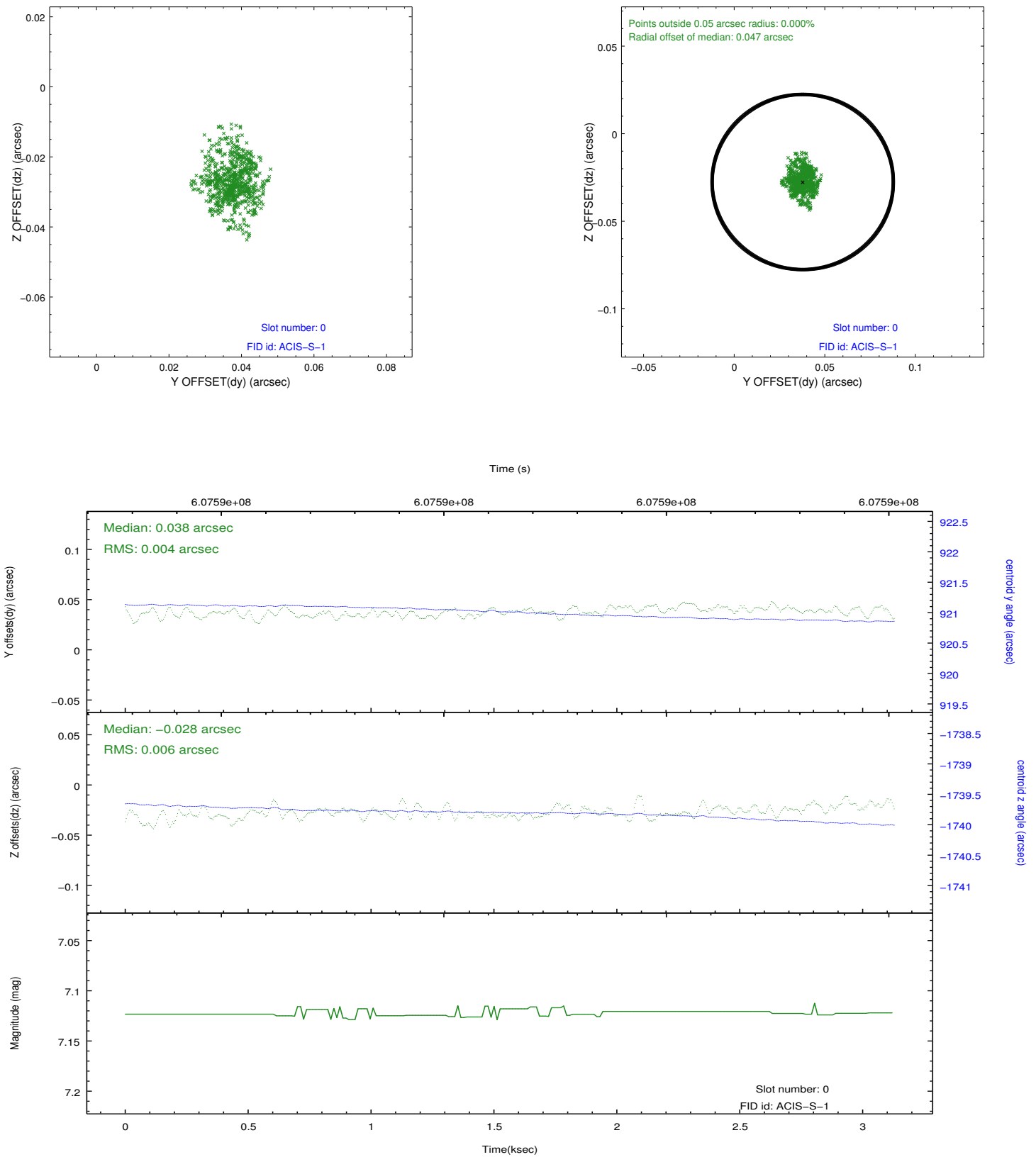


2.4.5 Slot 7

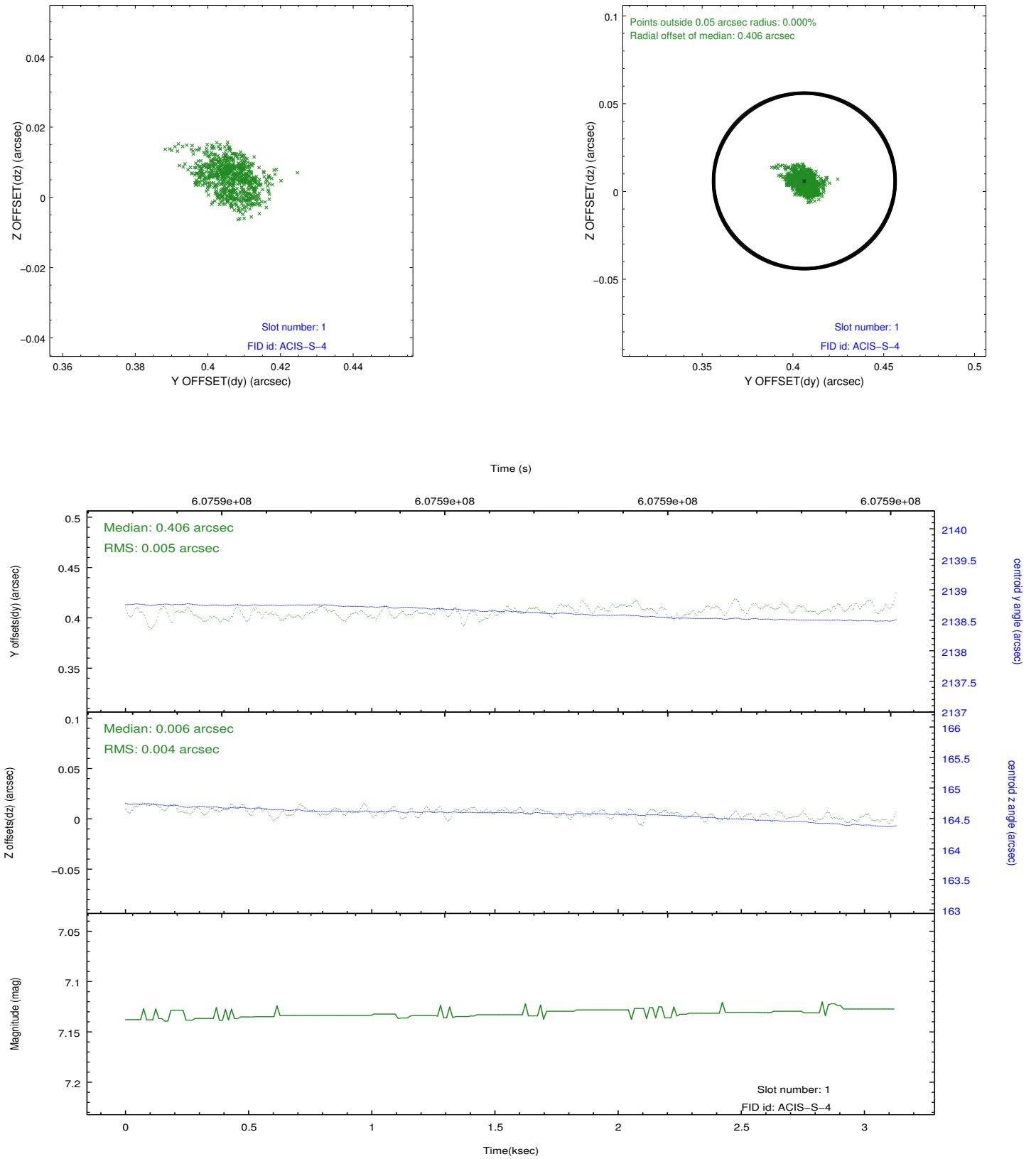


2.5 FID Slots

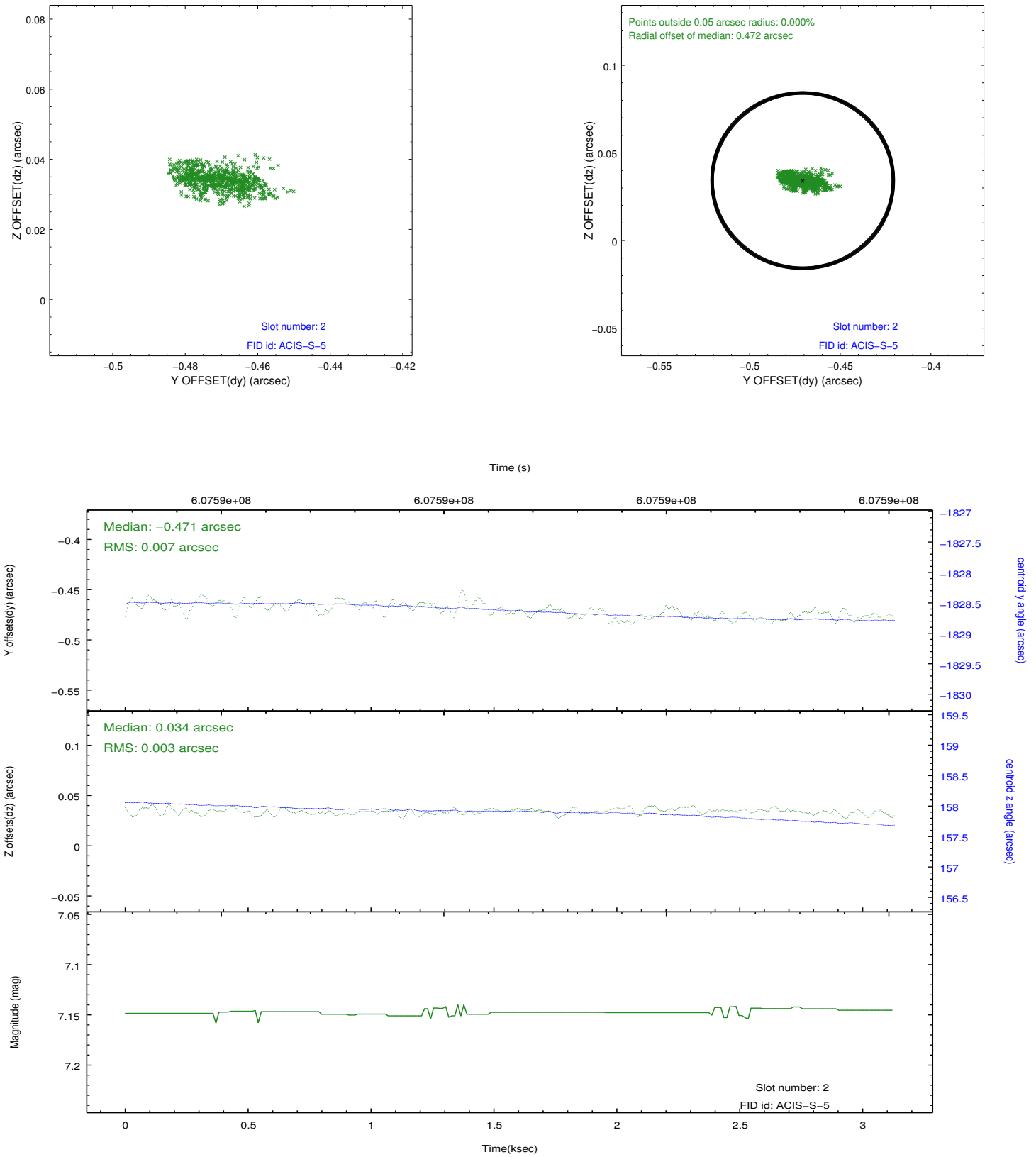
2.5.1 Slot 0



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)	2017.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1093000240326

A.2 Comments