

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13327 - L2 Version 1
Chandra X-Ray Center

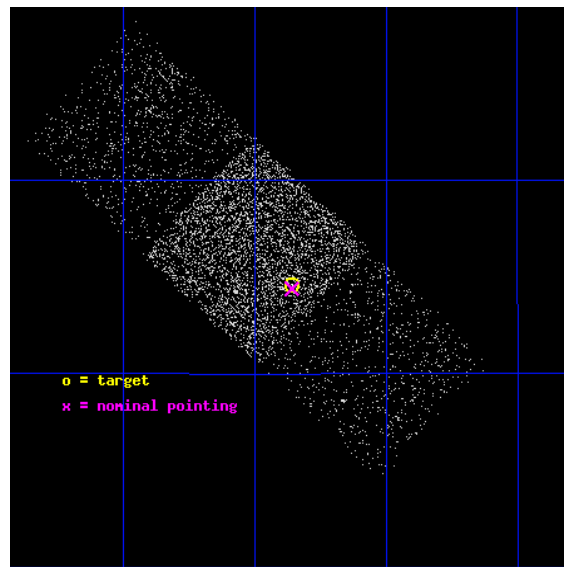
L2 Processing Date : Mar 19 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

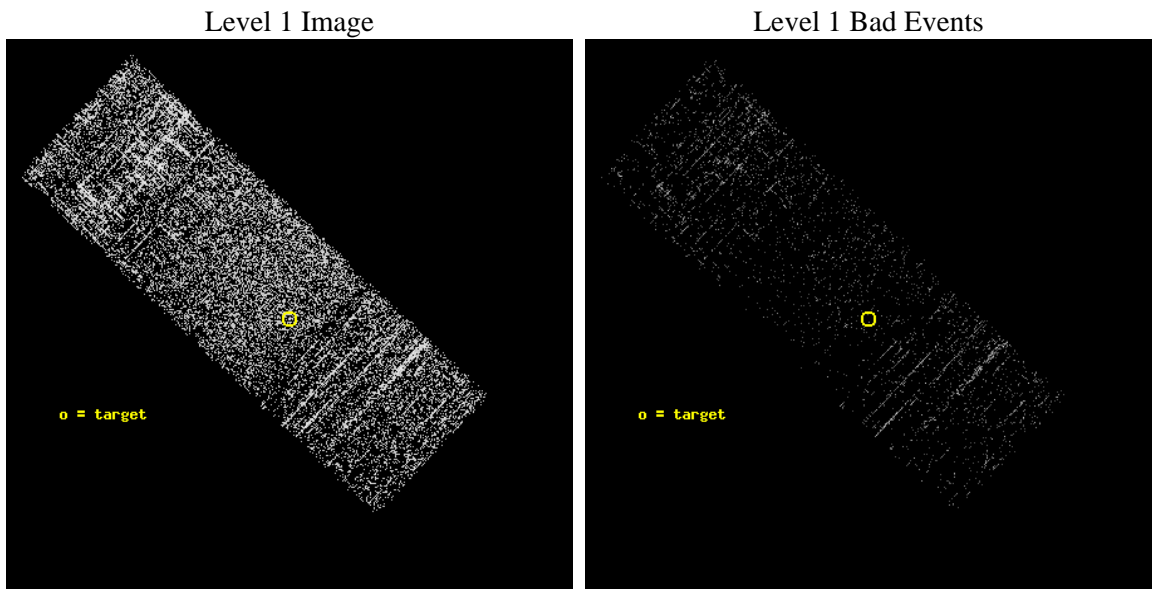
seq_num	702534	Sequence number
obs_id	13327	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1034+2334	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	158.714167	Observer's specified target RA [deg]
dec_targ	23.576472	Observer's specified target Dec [deg]
ra_nom	158.71483304092	Nominal RA [deg]
dec_nom	23.573200056848	Nominal Dec [deg]
roll_nom	223.43613701824	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1577.9000121355	Sum of GTIs [s]
liveltime	1557.2835868439	Livetime [s]
ontime6	1577.9000121355	Sum of GTIs [s]
ontime7	1577.9000121355	Sum of GTIs [s]
ontime8	1577.9000121355	Sum of GTIs [s]
l2events	5841	Number of level 2 events



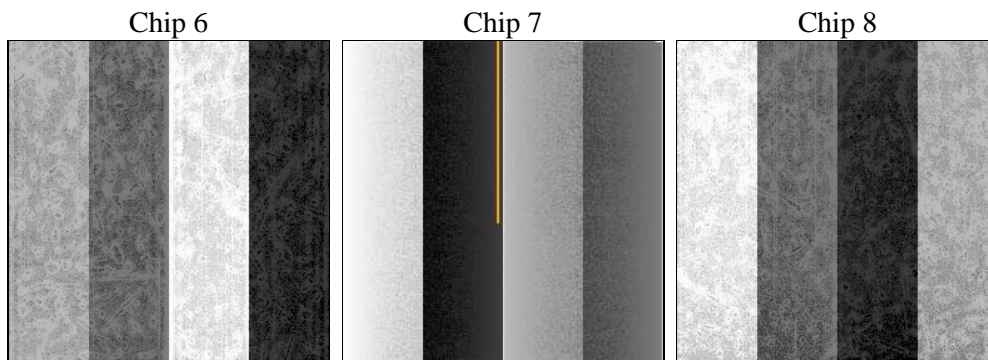
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1577.9000121355	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1577.9000121355	Sum of GTIs [s]
date	2012-03-19T15:54:24	Date and time of file creation	ontime7	1577.9000121355	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1577.9000121355	Sum of GTIs [s]
			l1events	27043	Number of level 1 events

2.1.4 Events

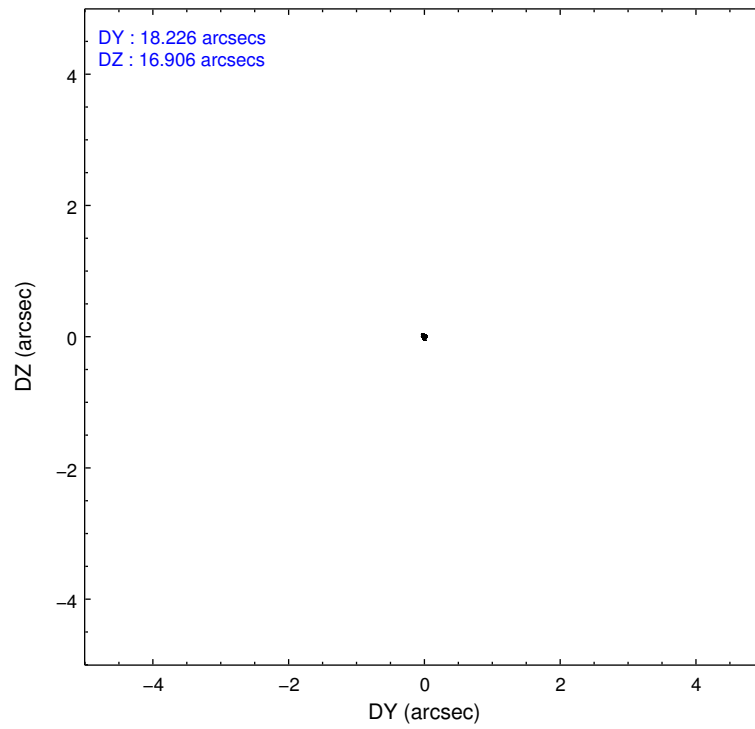
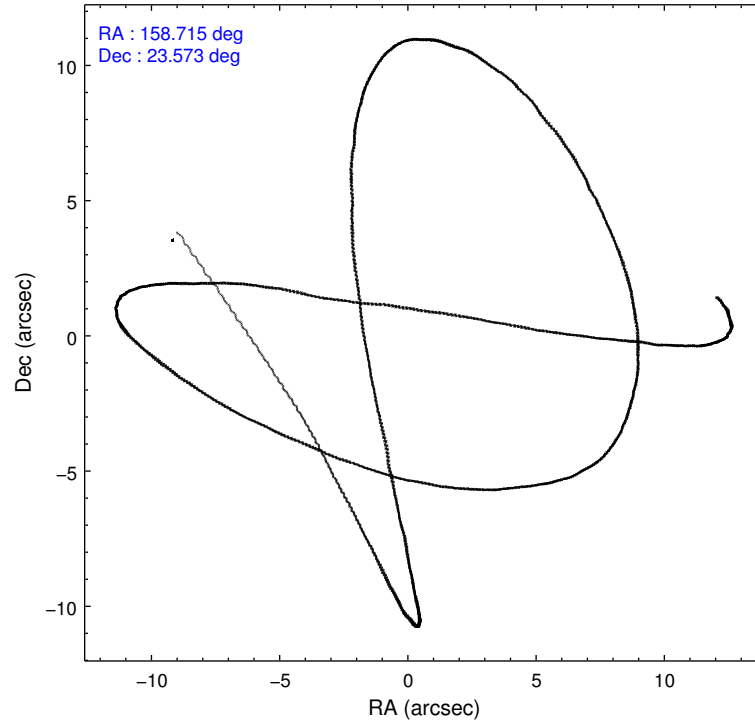
	ccd 6	ccd 7	ccd 8
level 1 events	7507	8853	10683
rejected events	6606	4583	7650
rejected %	87%	51%	71%

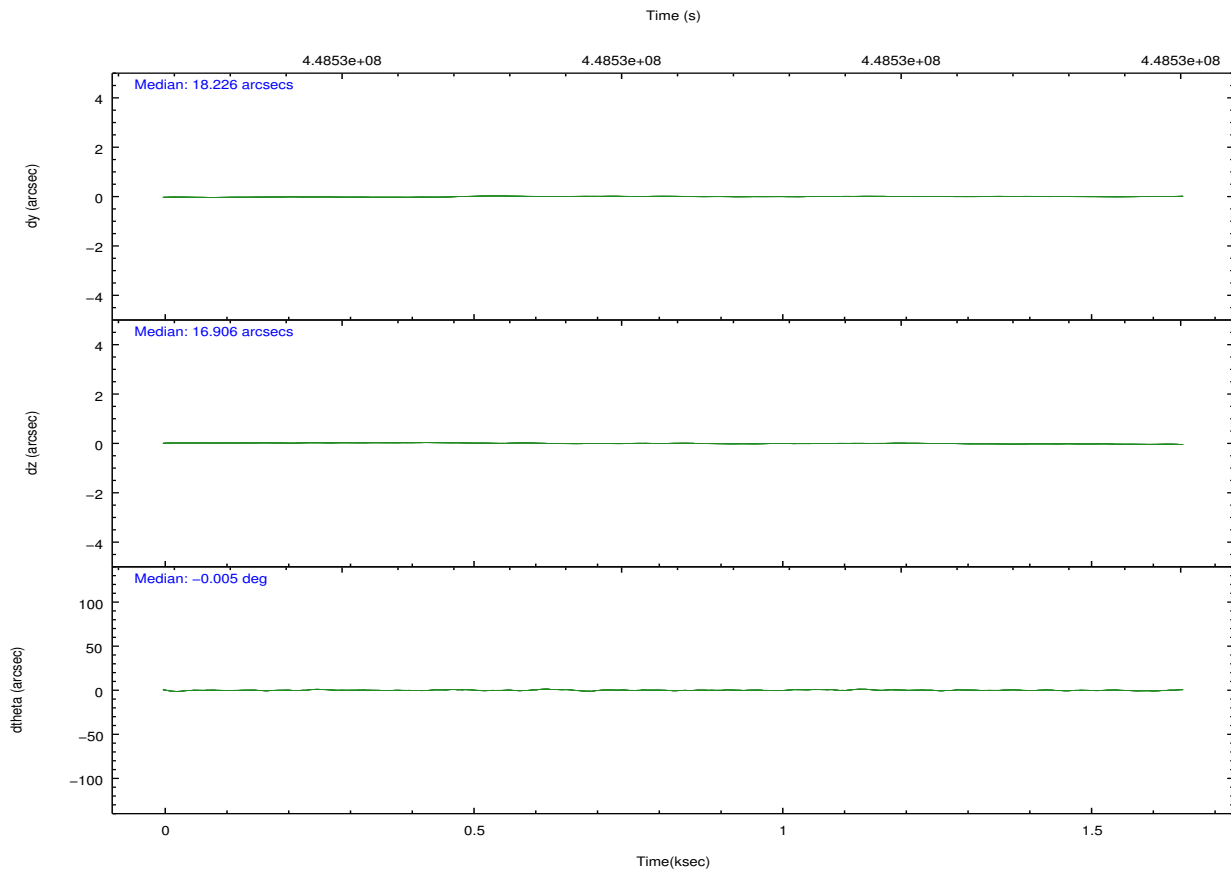
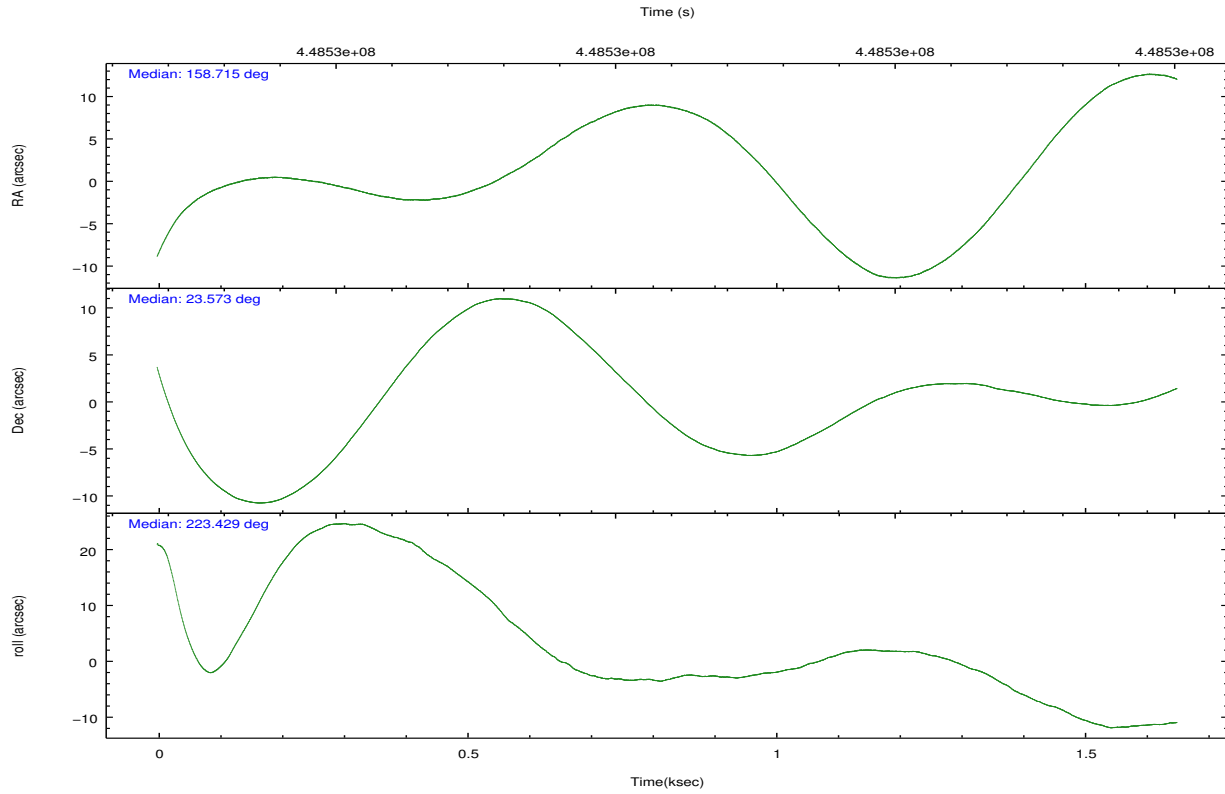
	ccd 6	ccd 7	ccd 8
grade 0 events	318	393	816
	4%	4%	7%
grade 1 events	6	15	4
	0%	0%	0%
grade 2 events	223	948	668
	2%	10%	6%
grade 3 events	79	388	414
	1%	4%	3%
grade 4 events	94	335	343
	1%	3%	3%
grade 5 events	357	999	528
	4%	11%	4%
grade 6 events	188	2216	794
	2%	25%	7%
grade 7 events	6242	3559	7116
	83%	40%	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	158.722914	158.7148330409244	Subarray requested	NONE	NONE
[deg] Pointing Dec	23.599809	23.57320005684791	Alternating exposures requested	N	N
[deg] Pointing Roll	223.276105	223.4361370182432	[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)	448531924.184000	448530871.29153			
Observation start date	2012-03-19T08:10:58	2012-03-19T07:54:31			
[s] Observation end time (MET)	448533424.184000	448534202.02921			
Observation end date	2012-03-19T08:35:58	2012-03-19T08:50:02			
Read mode	TIMED	TIMED			

2.3 Aspect



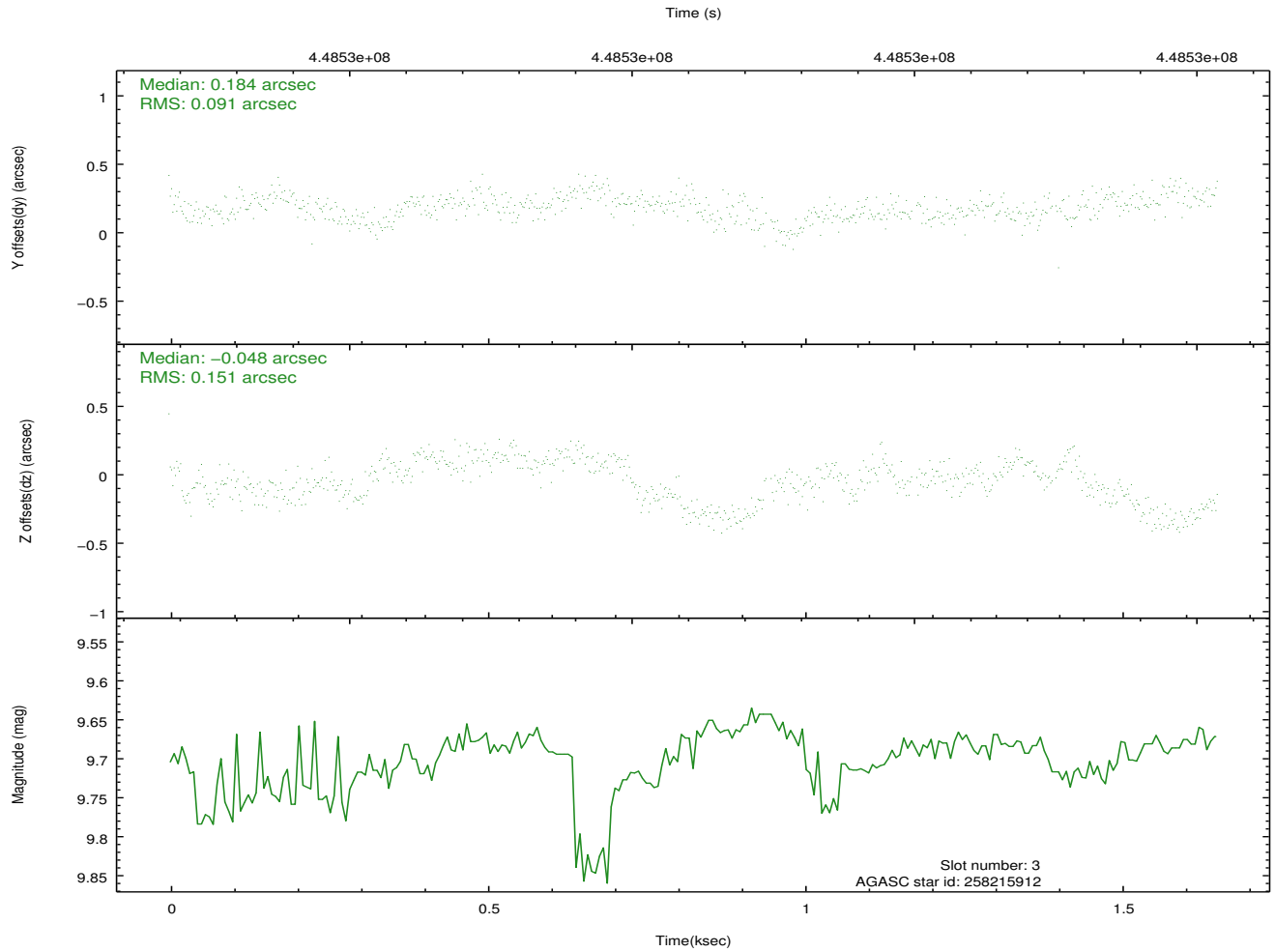
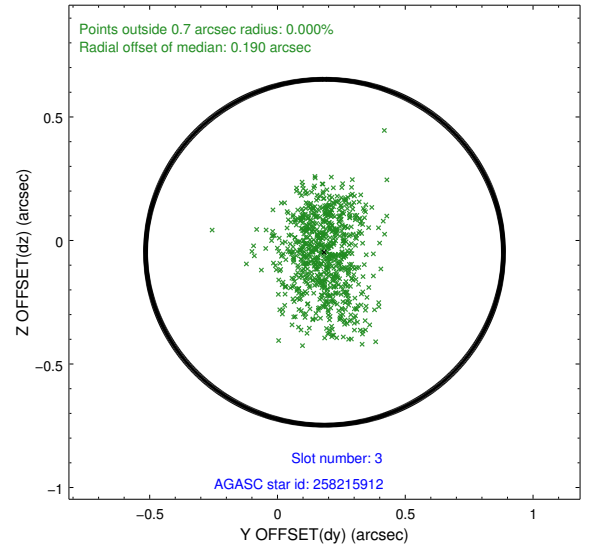
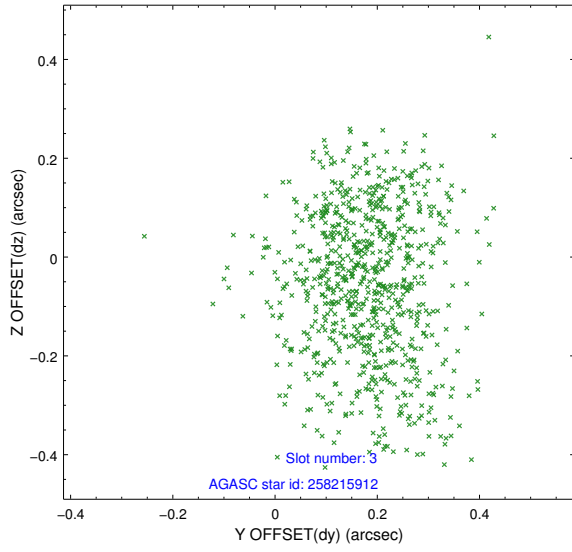


Slot Statistics

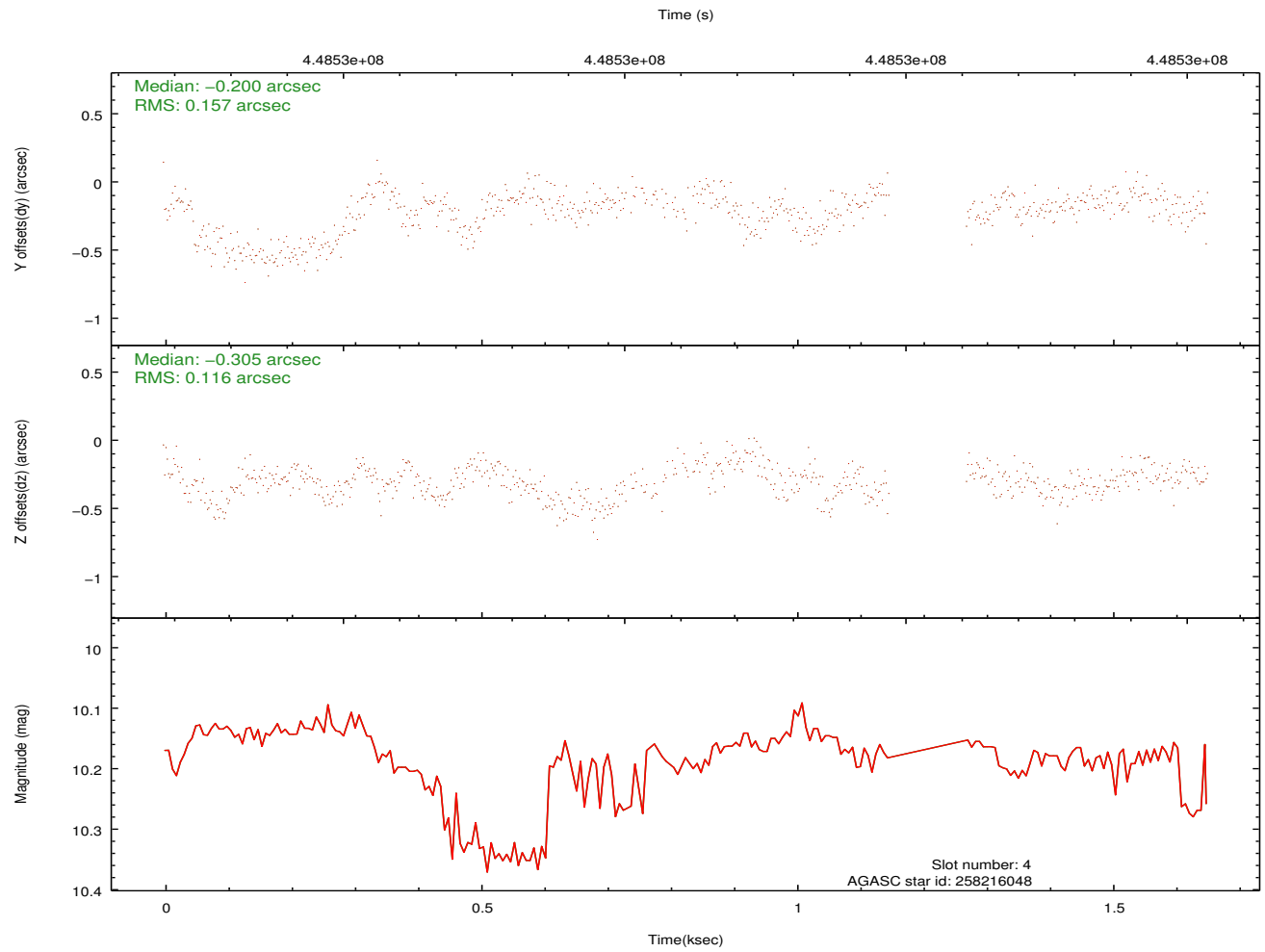
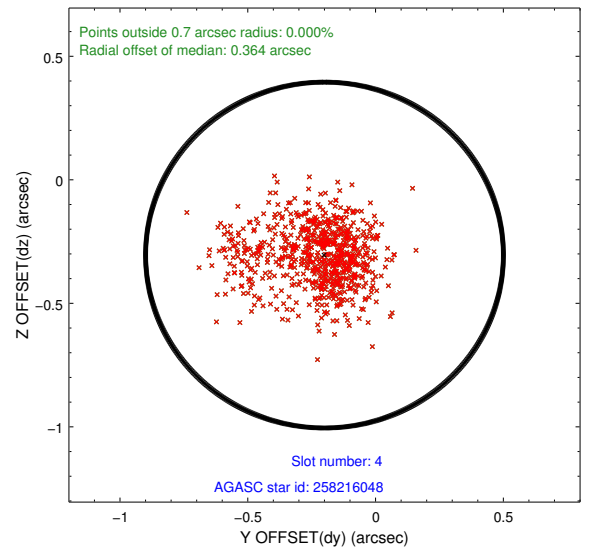
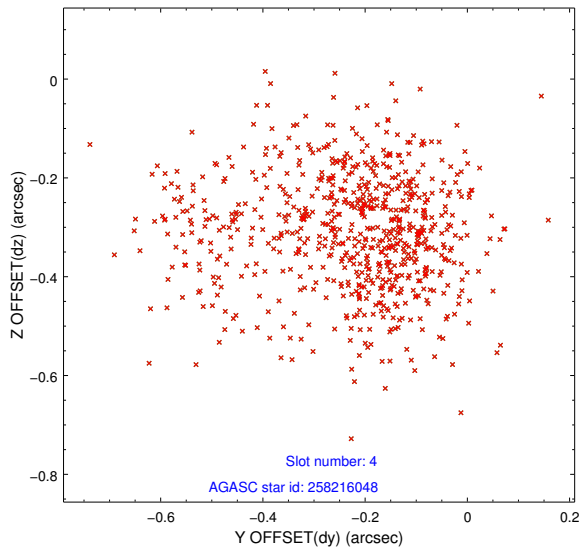
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	403	0.073	-0.046	0.006	0.011	0.000000	0.000000	924.80	-1734.03
1	FID	ACIS-S-4	7.01	403	0.156	0.002	0.006	0.011	0.000000	0.000000	2144.52	166.03
2	FID	ACIS-S-5	7.05	403	-0.255	0.057	0.005	0.010	0.000000	0.000000	-1819.26	164.25
3	GUIDE	258215912	9.69	799	0.184	-0.048	0.189	0.304	158.805805	23.544255	-61.40	331.60
4	BAD	258216048	10.18	727	-0.200	-0.305	0.200	0.359	158.211636	23.536565	1382.71	-993.71
5	GUIDE	258218536	8.18	807	0.051	0.252	0.107	0.201	158.090456	23.319139	2213.04	-702.84
6	GUIDE	259141656	8.42	806	-0.119	0.064	0.103	0.153	159.317159	23.449872	-1059.42	1733.77
7	GUIDE	259141712	9.85	796	0.108	-0.022	0.233	0.348	159.213062	23.458953	-834.28	1478.77

2.4 Star Slots

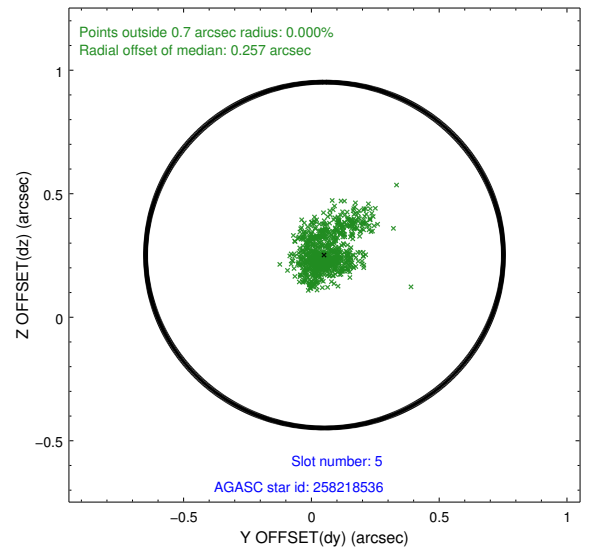
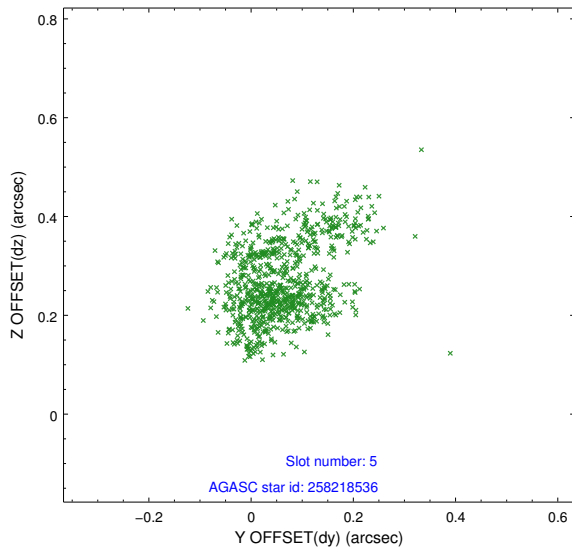
2.4.1 Slot 3



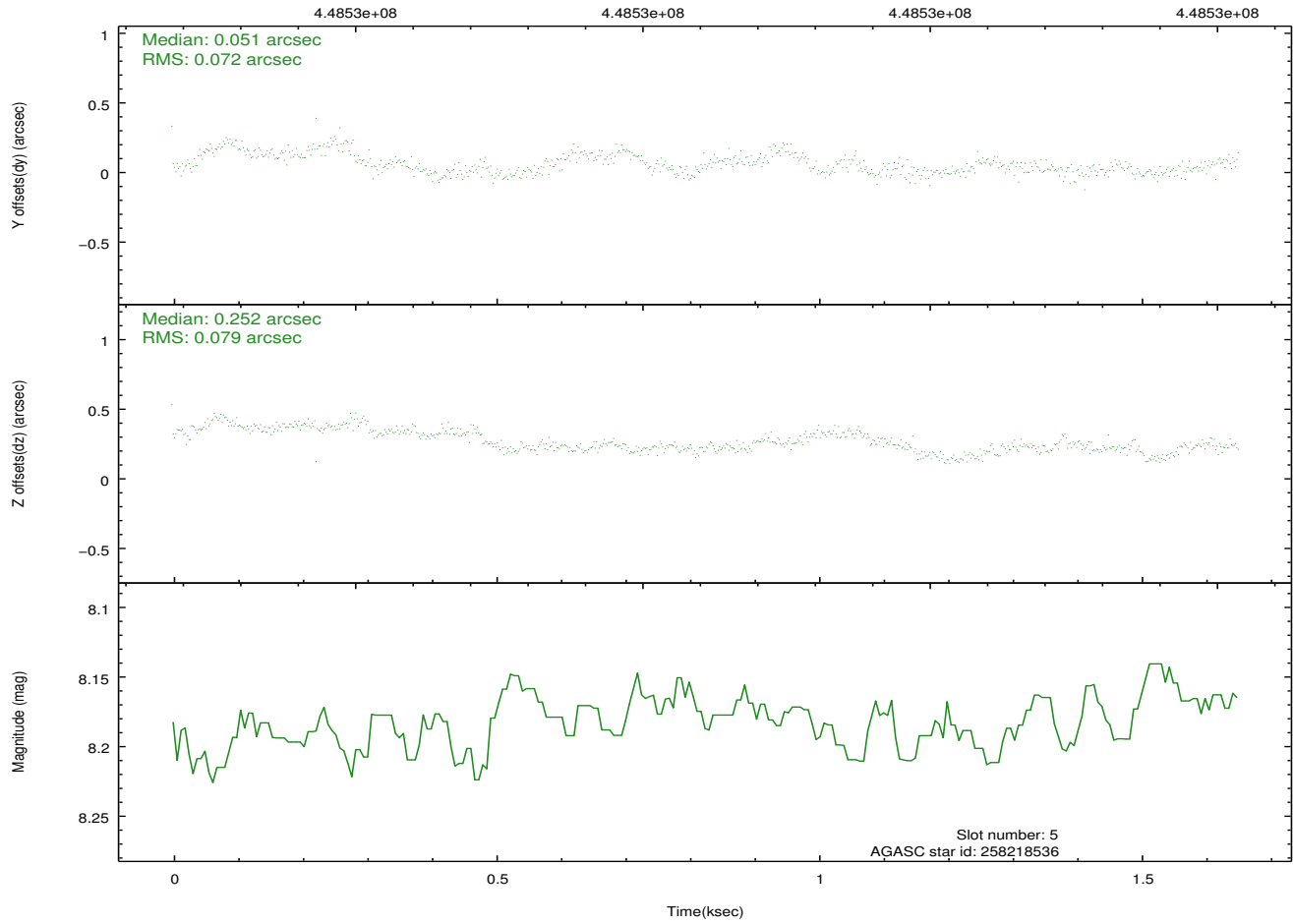
2.4.2 Slot 4



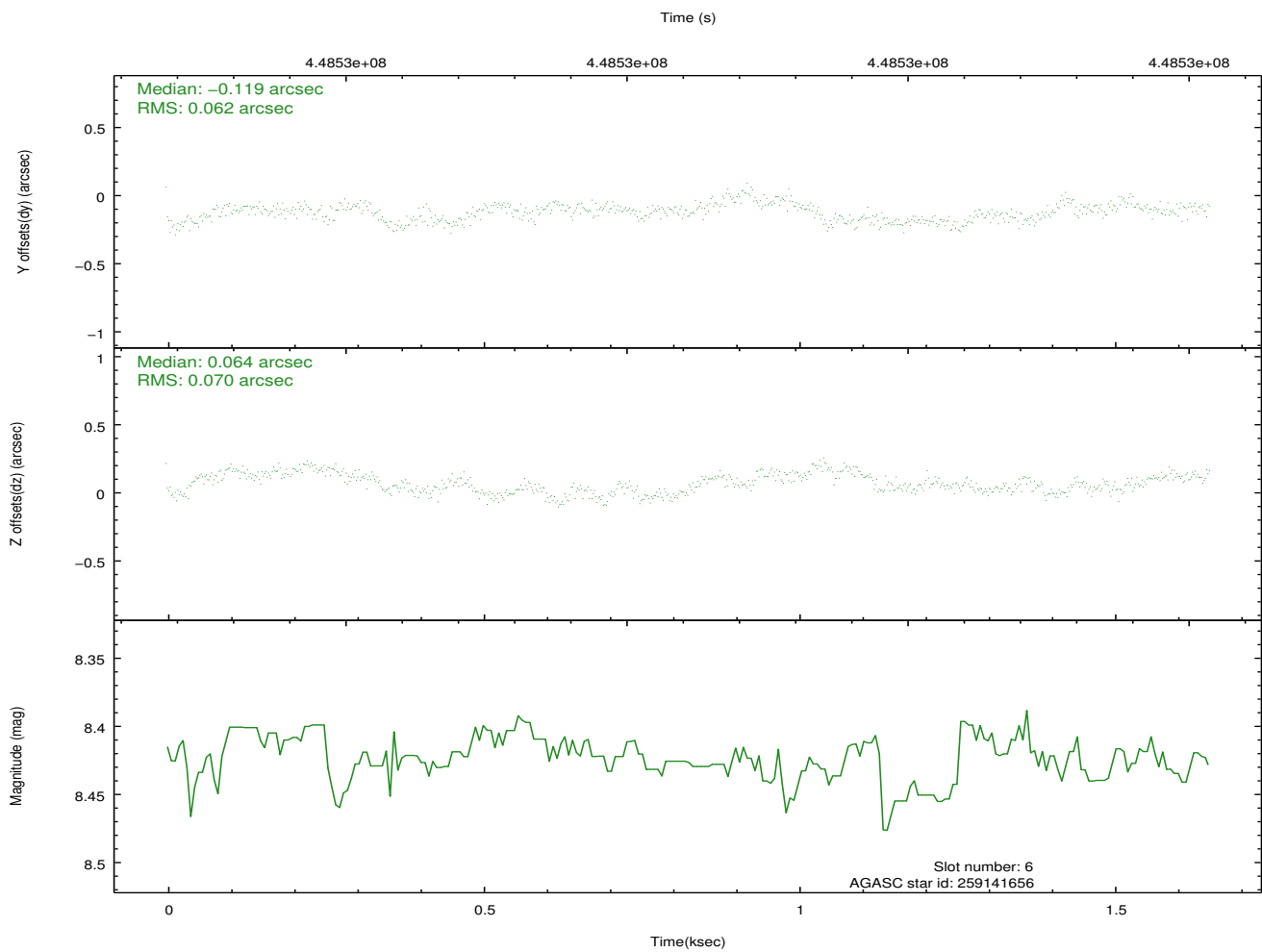
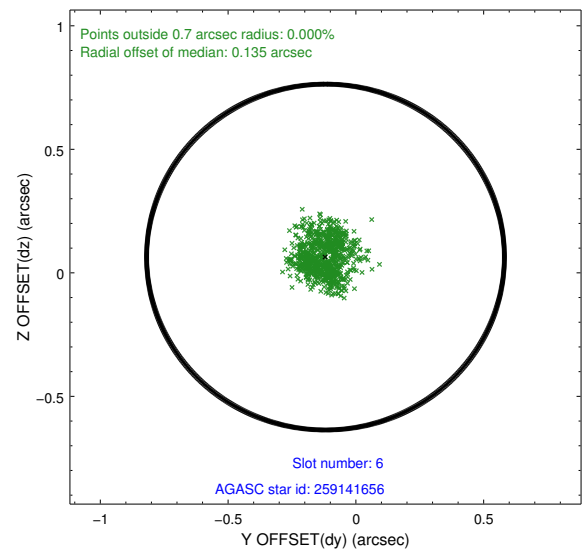
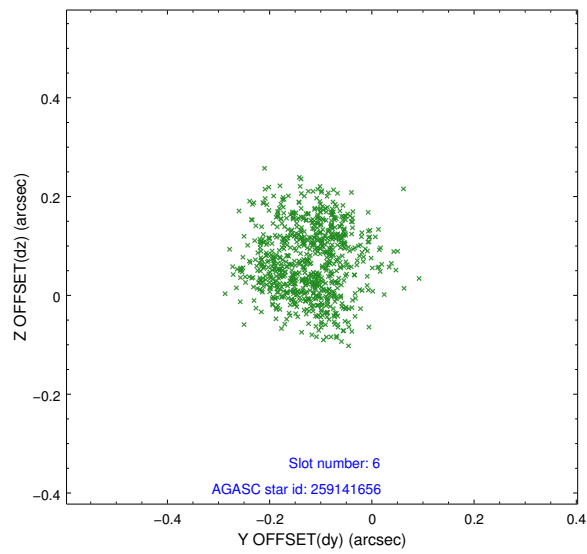
2.4.3 Slot 5



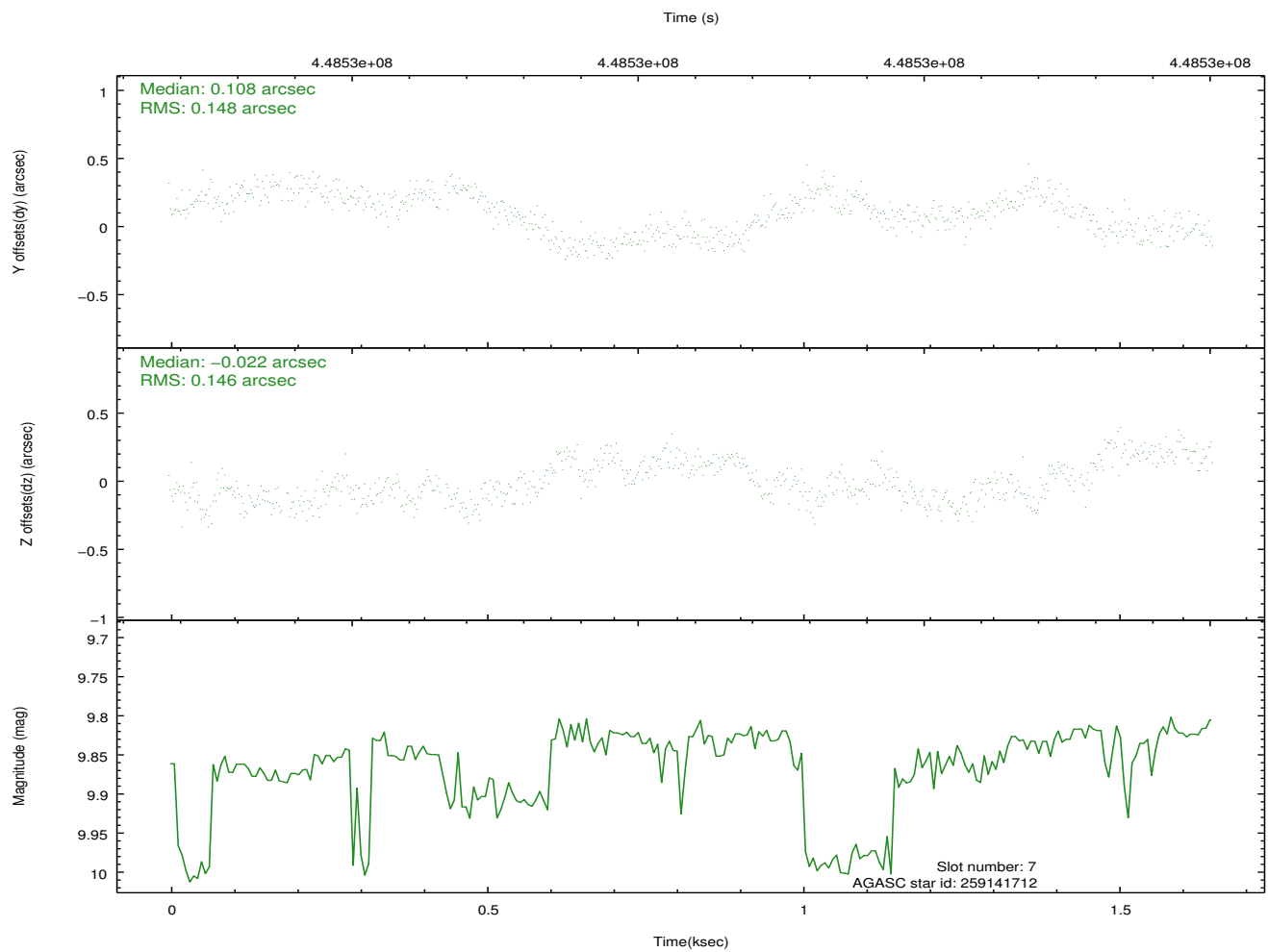
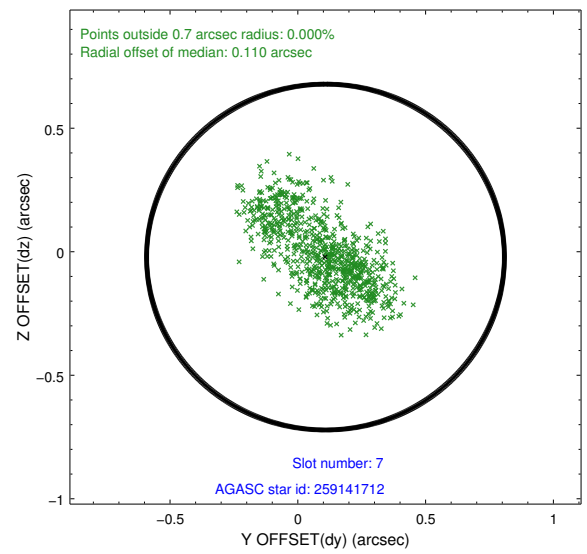
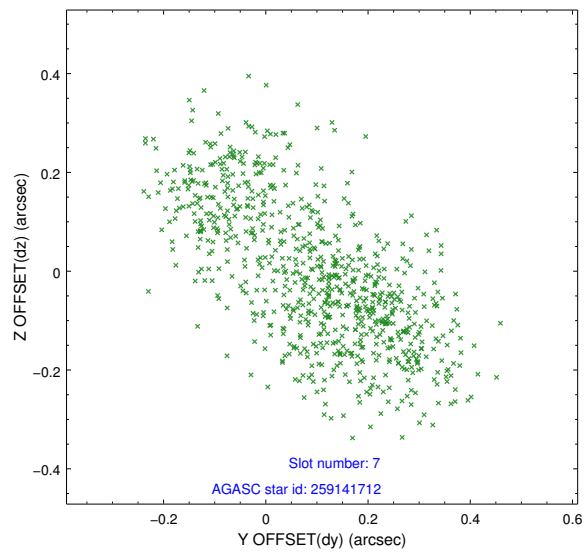
Time (s)



2.4.4 Slot 6

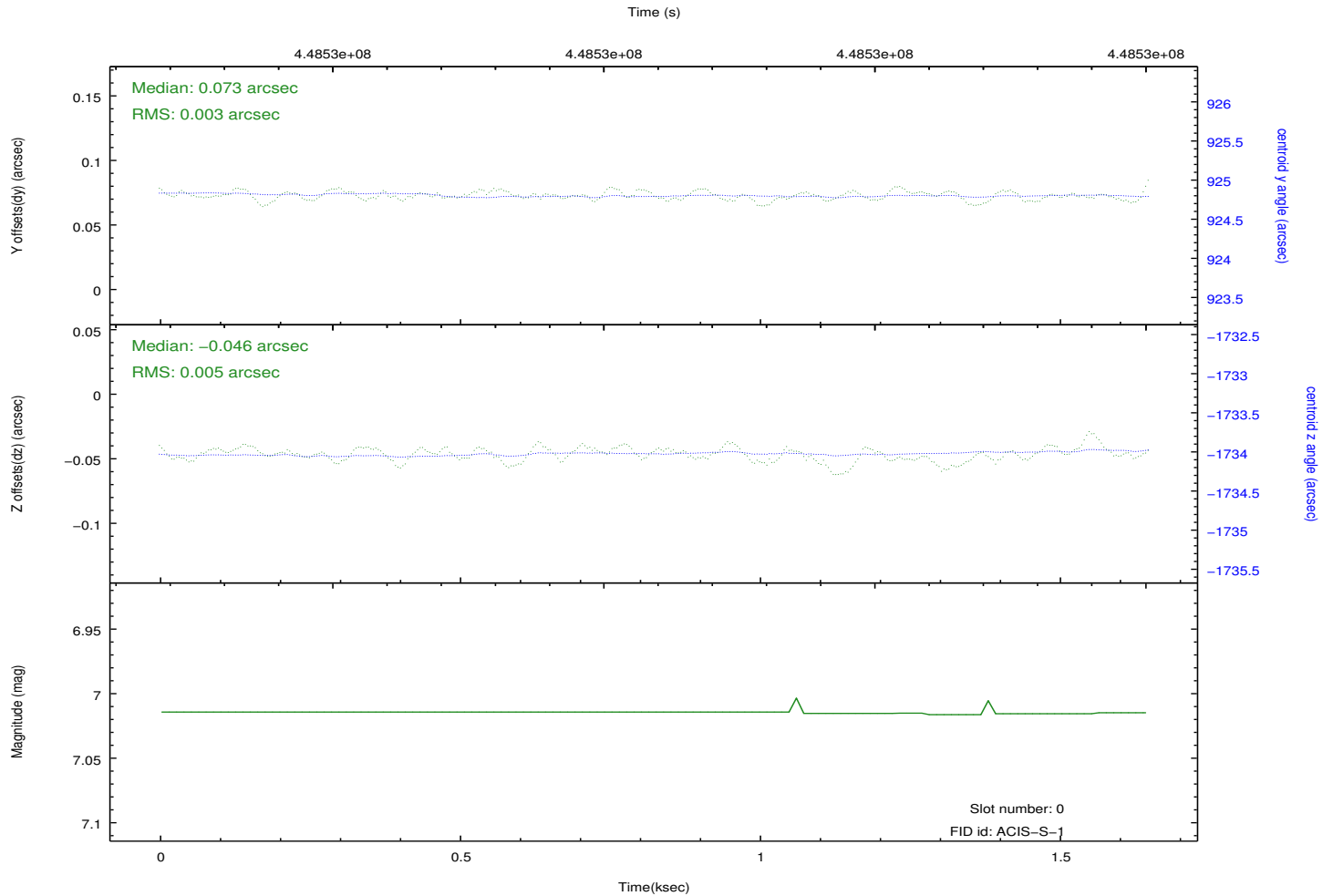
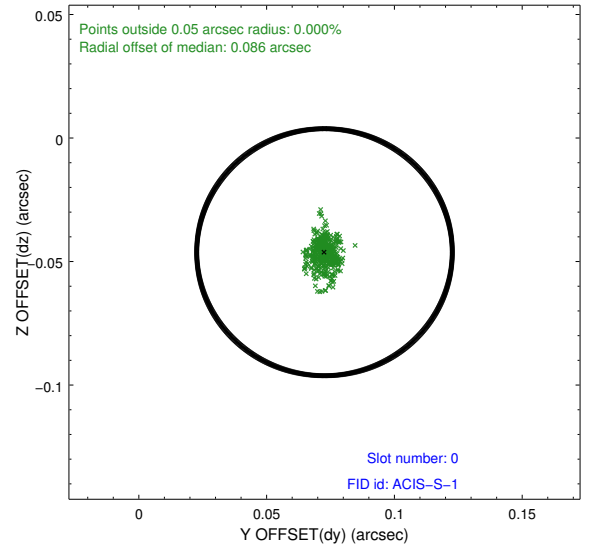
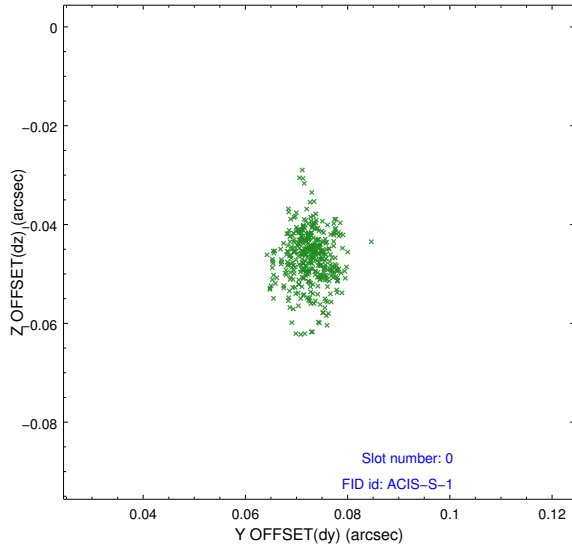


2.4.5 Slot 7

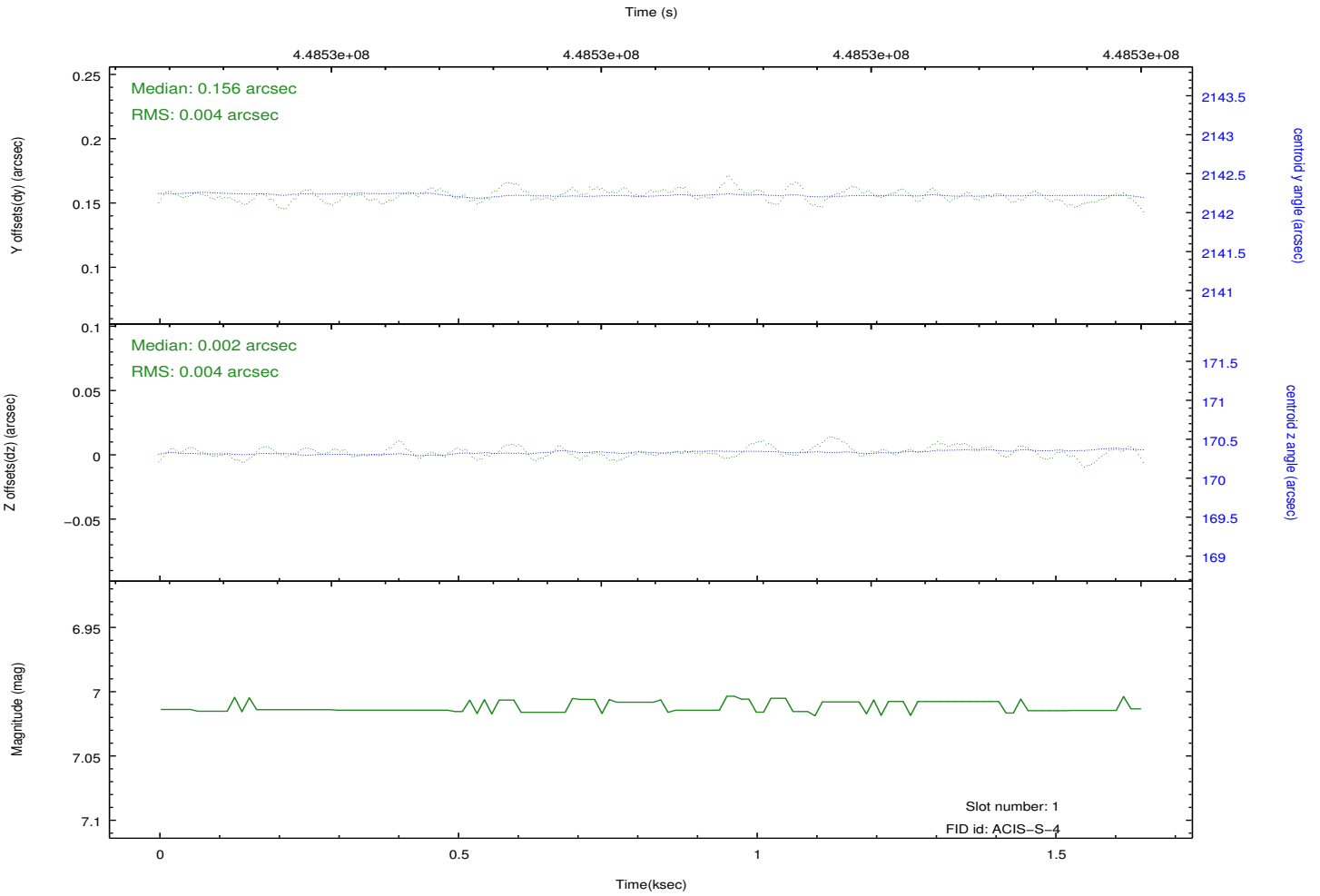
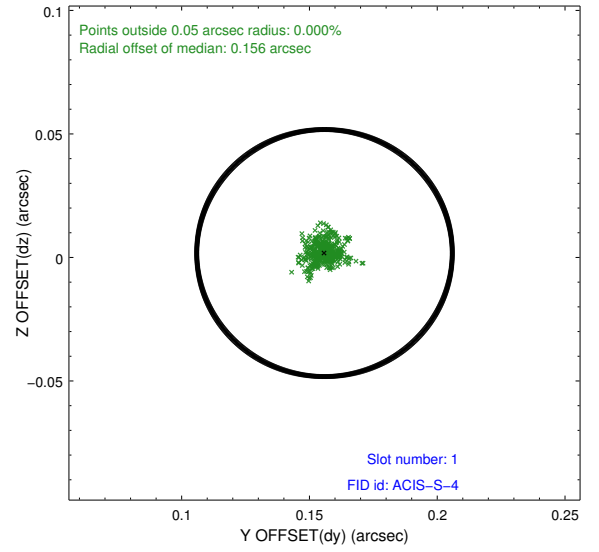
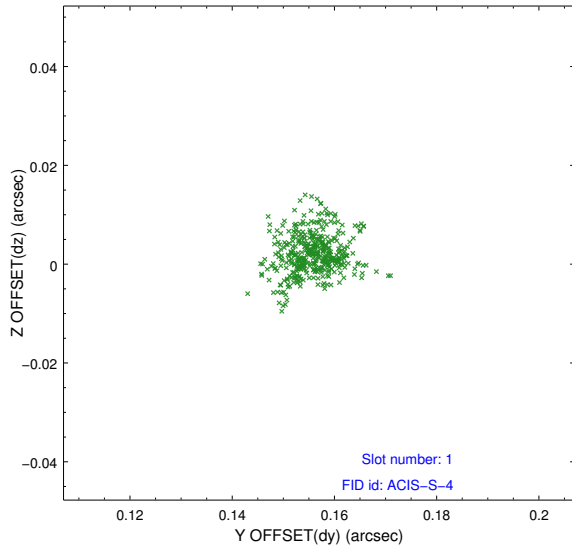


2.5 FID Slots

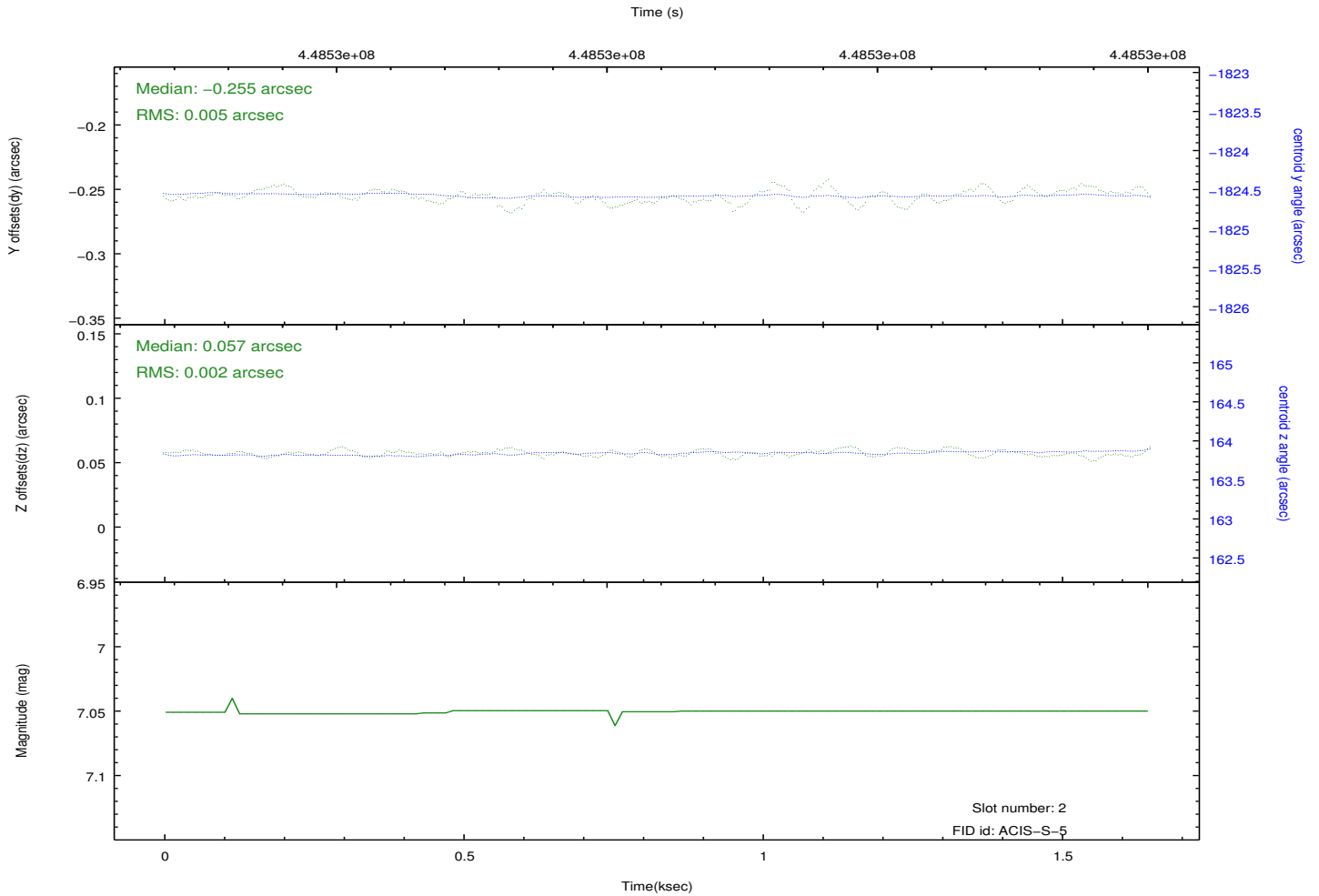
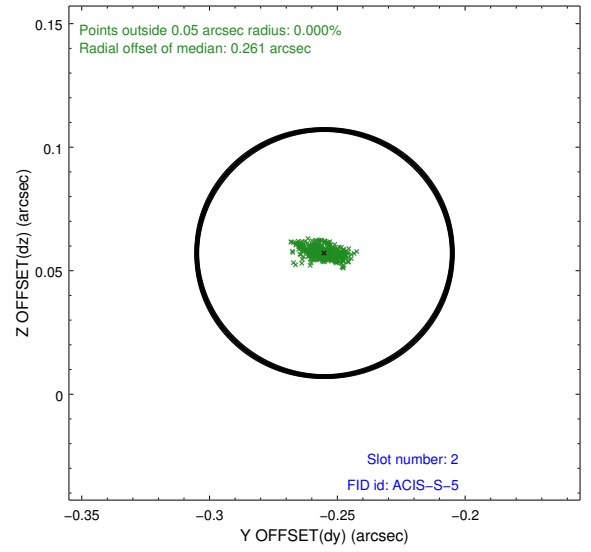
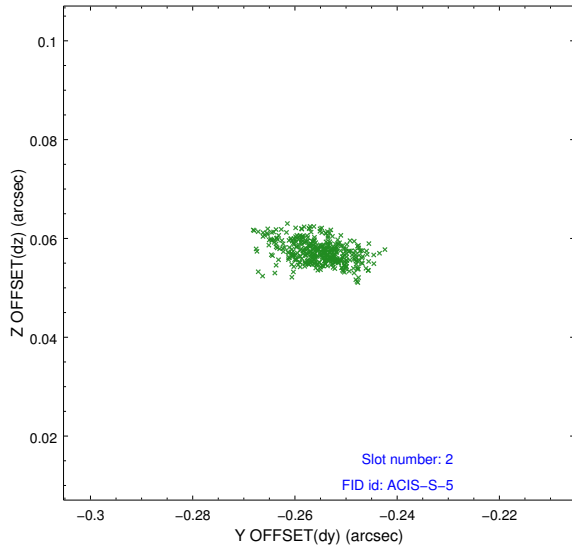
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5779000121355

A.2 Comments

The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.