

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7095 - L2 Version 2
Chandra X-Ray Center

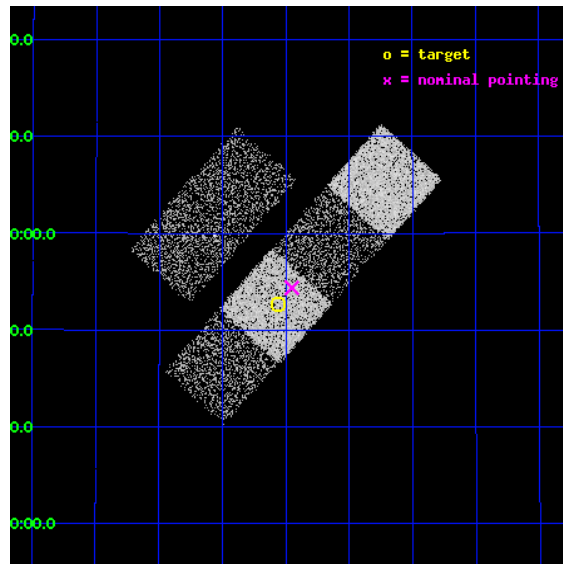
L2 Processing Date : Apr 10 2012

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

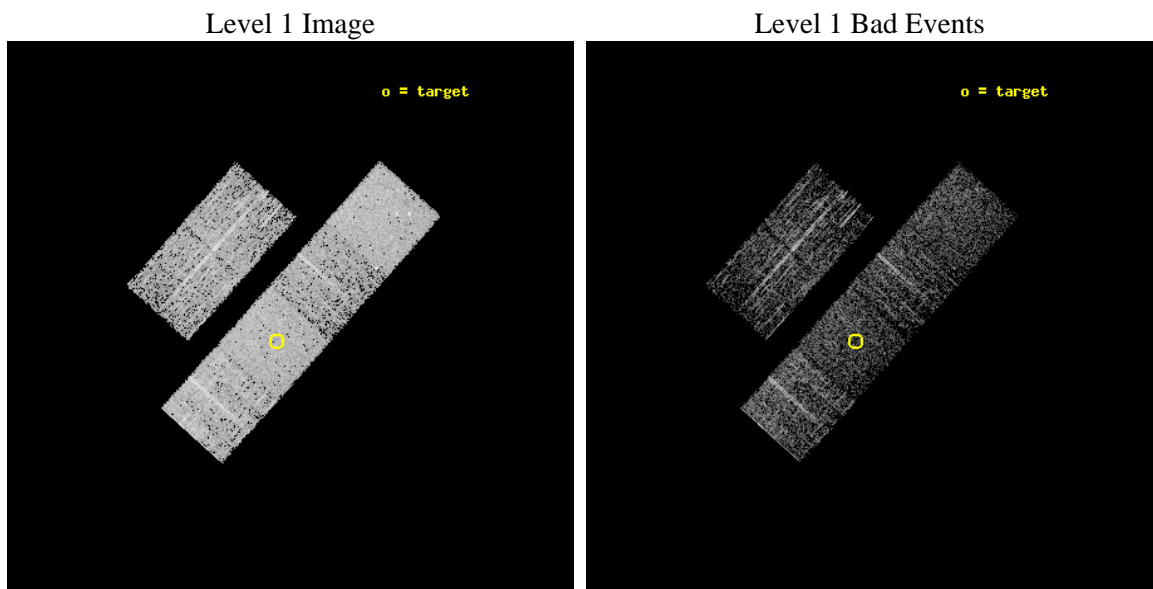
seq_num	600533	Sequence number
obs_id	7095	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 0855	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	33.515	Observer's specified target RA [deg]
dec_targ	27.877194	Observer's specified target Dec [deg]
ra_nom	33.488111330288	Nominal RA [deg]
dec_nom	27.906301064026	Nominal Dec [deg]
roll_nom	131.77883585041	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1756.2234219313	Sum of GTIs [s]
livetime	1733.985063492	Livetime [s]
ontime2	1756.2644619346	Sum of GTIs [s]
ontime3	1756.1003019214	Sum of GTIs [s]
ontime5	1756.182381928	Sum of GTIs [s]
ontime6	1756.1413419247	Sum of GTIs [s]
ontime7	1756.2234219313	Sum of GTIs [s]
ontime8	1752.8182914853	Sum of GTIs [s]
l2events	25345	Number of level 2 events



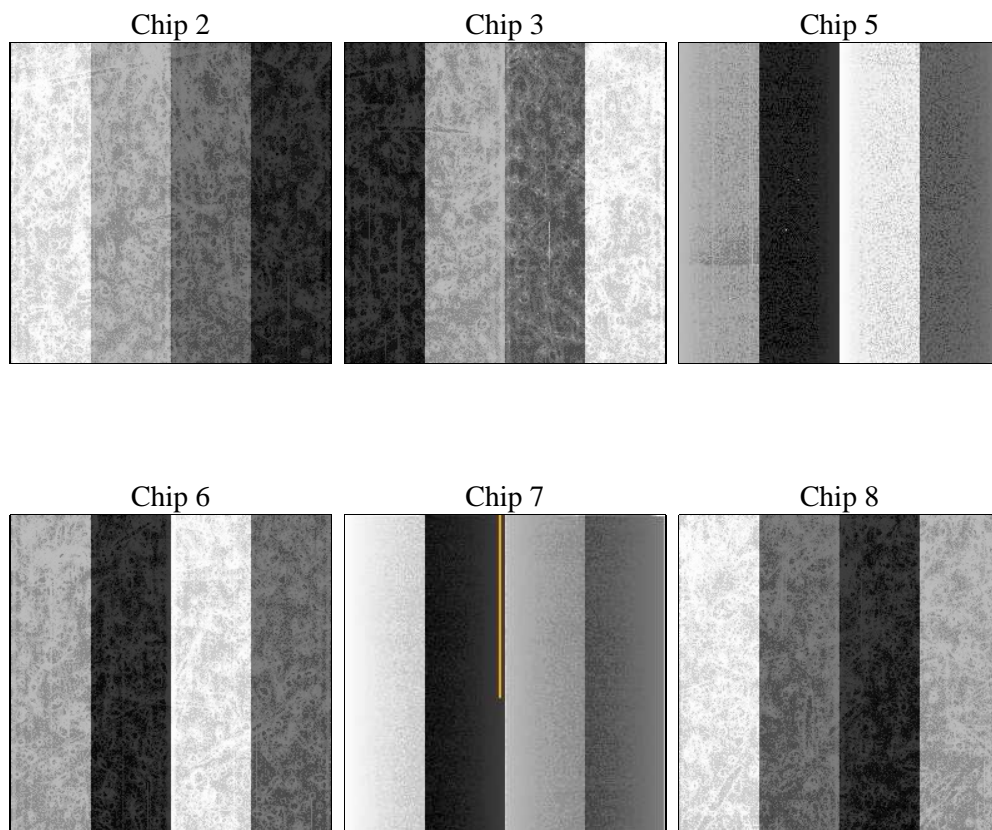
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	1756.2234219313	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1756.2644619346	Sum of GTIs [s]
date	2012-04-10T23:44:30	Date and time of file creation	ontime3	1756.1003019214	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1756.182381928	Sum of GTIs [s]
			ontime6	1756.1413419247	Sum of GTIs [s]
			ontime7	1756.2234219313	Sum of GTIs [s]
			ontime8	1752.8182914853	Sum of GTIs [s]
			l1events	116576	Number of level 1 events

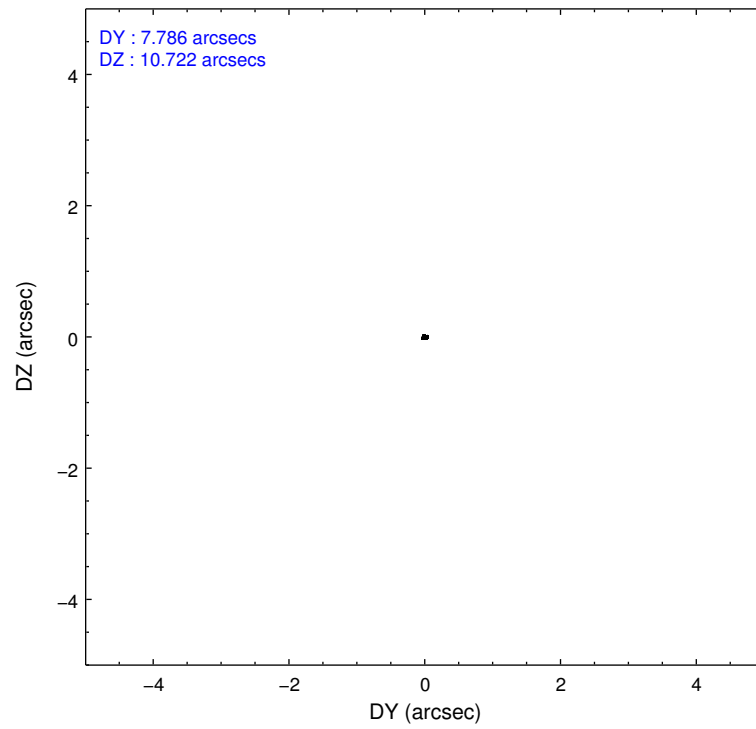
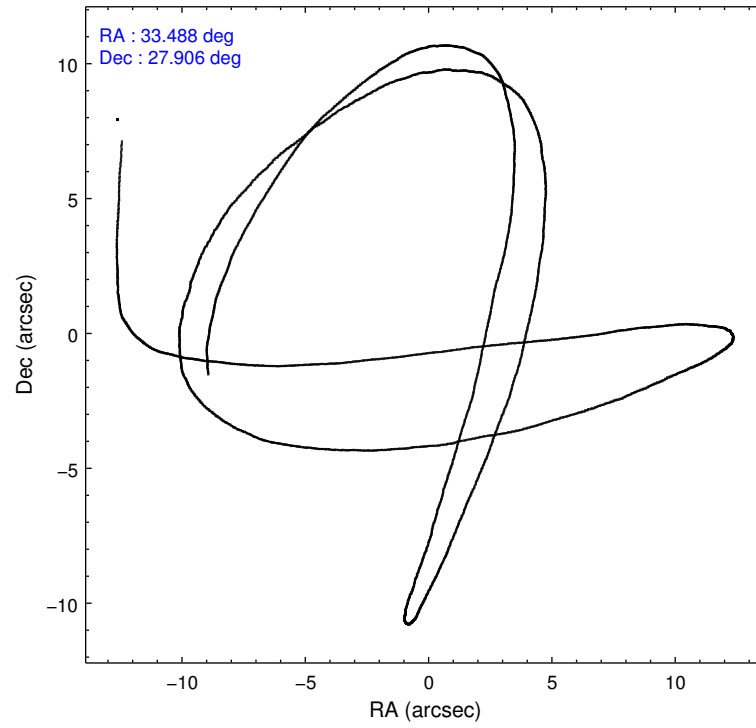
2.1.4 Events

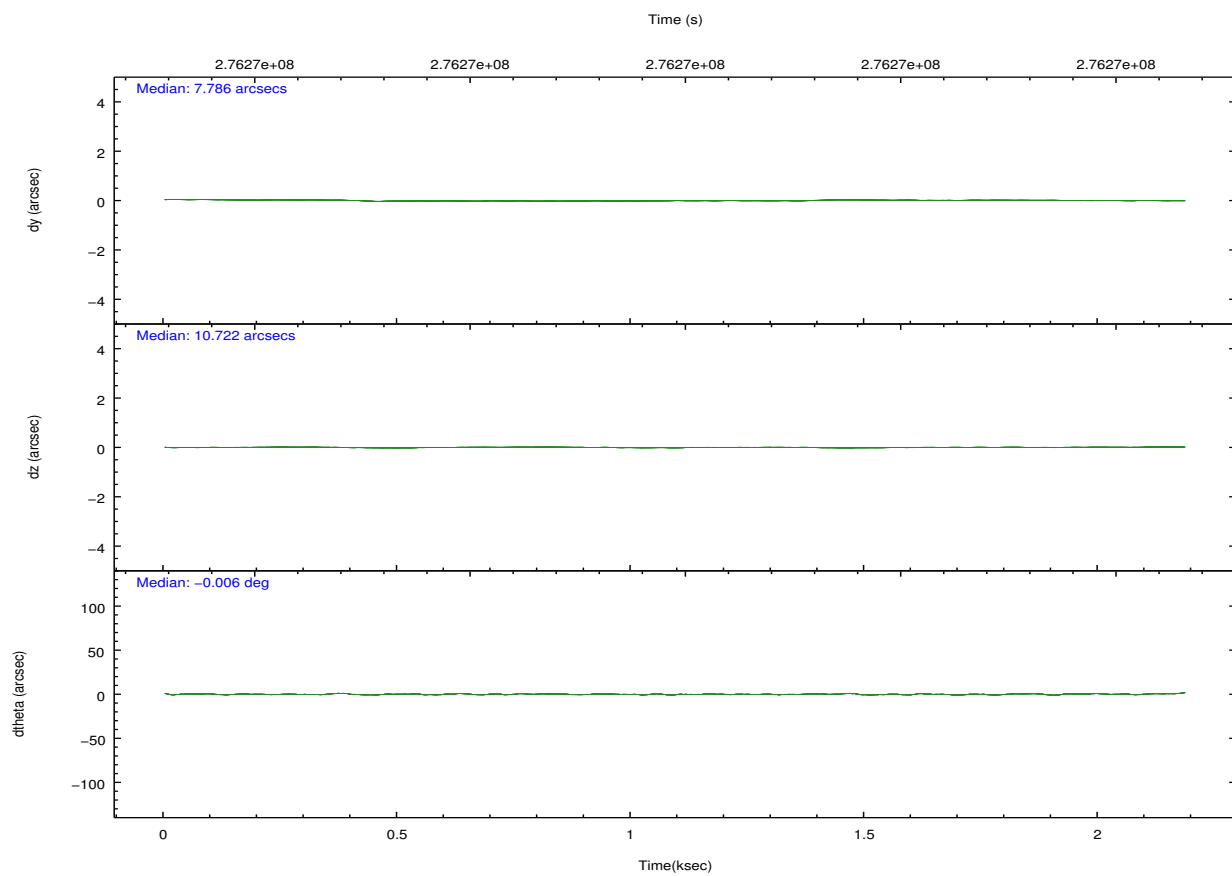
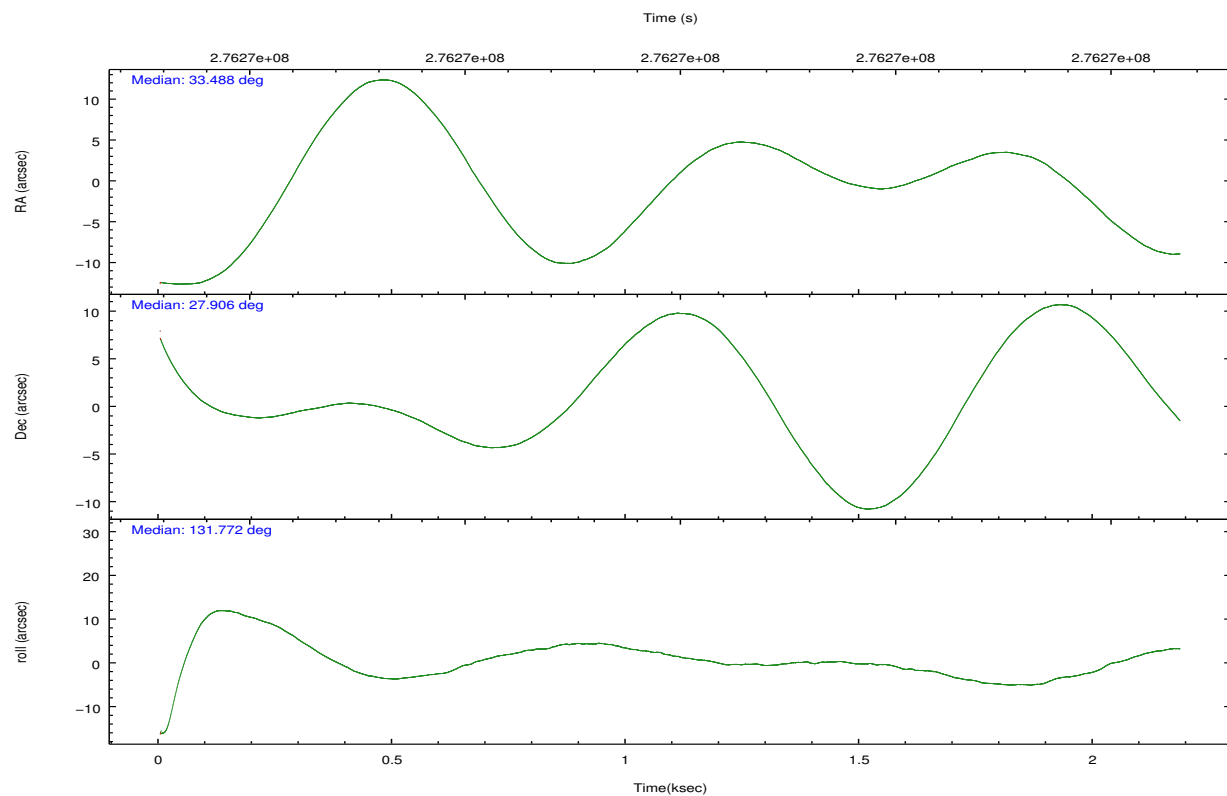
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	16753	15848	23643	15429	21508	23395	grade 0 events	746	831	884	680	759	1344
rejected events	14970	14012	12895	13594	12588	19192		4%	5%	3%	4%	3%	5%
rejected %	89%	88%	54%	88%	58%	82%	grade 1 events	9	10	65	5	21	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	386	349	3189	440	1784	868
								2%	2%	13%	2%	8%	3%
							grade 3 events	164	176	354	190	734	461
								0%	1%	1%	1%	3%	1%
							grade 4 events	181	185	362	150	727	409
								1%	1%	1%	0%	3%	1%
							grade 5 events	568	674	1516	740	2018	913
								3%	4%	6%	4%	9%	3%
							grade 6 events	310	301	5981	381	4931	1128
								1%	1%	25%	2%	22%	4%
							grade 7 events	14389	13322	11292	12843	10534	18250
								85%	84%	47%	83%	48%	78%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	33.517739	33.48811133028813	Subarray requested	NONE	NONE
[deg] Pointing Dec	27.898067	27.90630106402581	Alternating exposures requested	N	N
[deg] Pointing Roll	131.608502	131.7788358504106	[s] Primary exposure time	0.000000	3.2
[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)	276266076.184000	276265443.88991			
Observation start date	2006-10-03T12:33:31	2006-10-03T12:24:03			
[s] Observation end time (MET)	276268076.184000	276269193.85258			
Observation end date	2006-10-03T13:06:51	2006-10-03T13:26:33			
Read mode	TIMED	TIMED			

2.3 Aspect



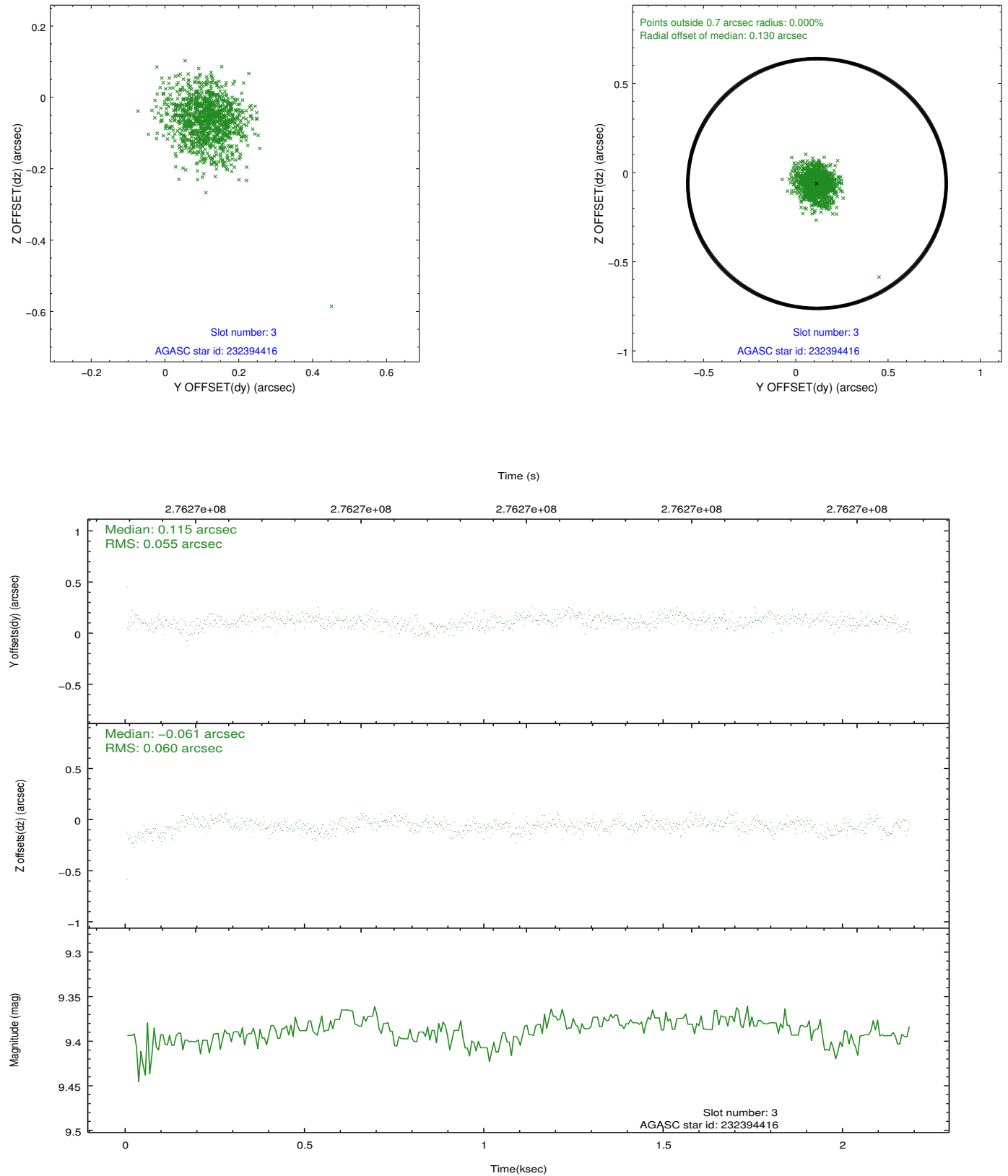


Slot Statistics

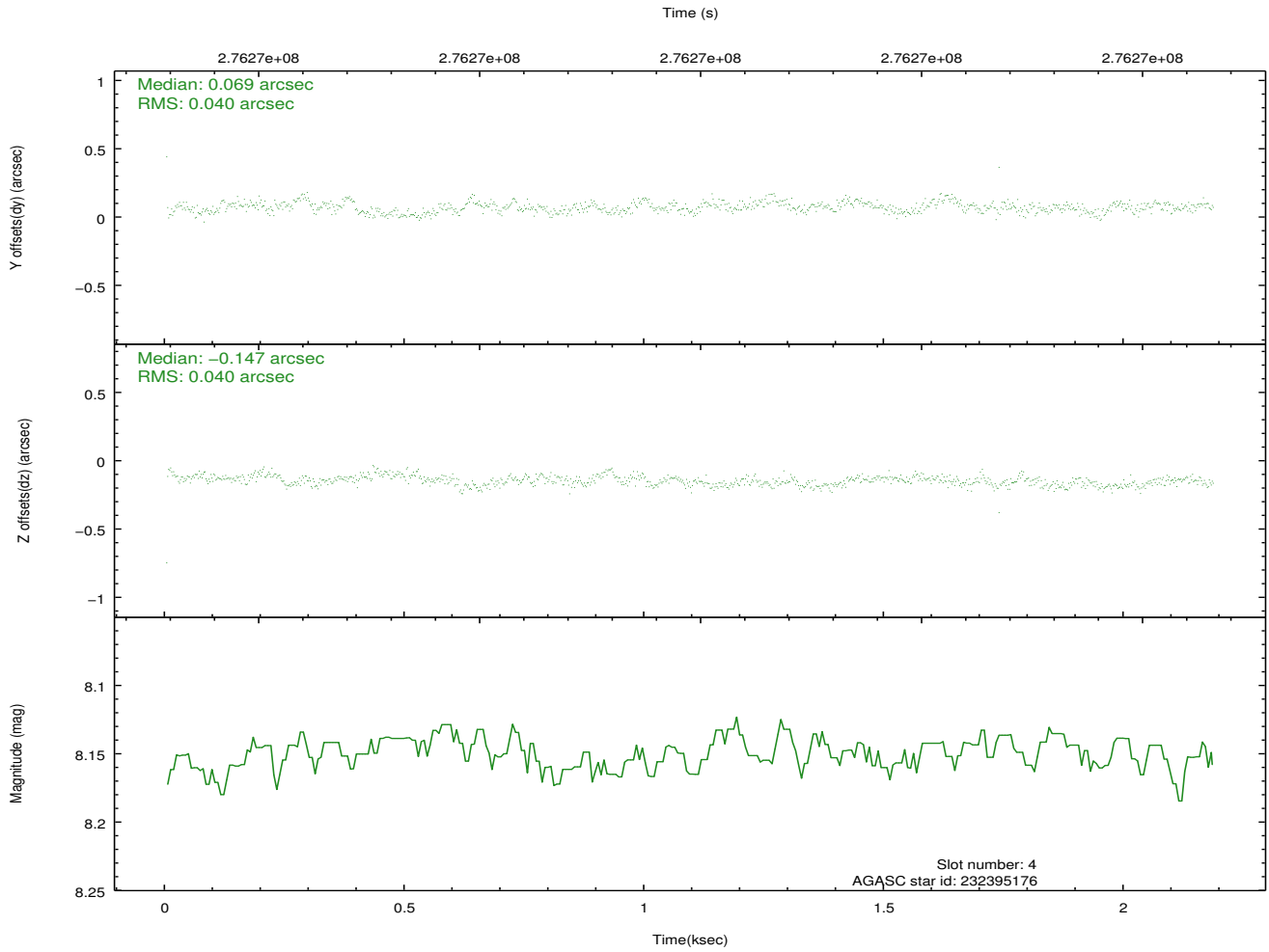
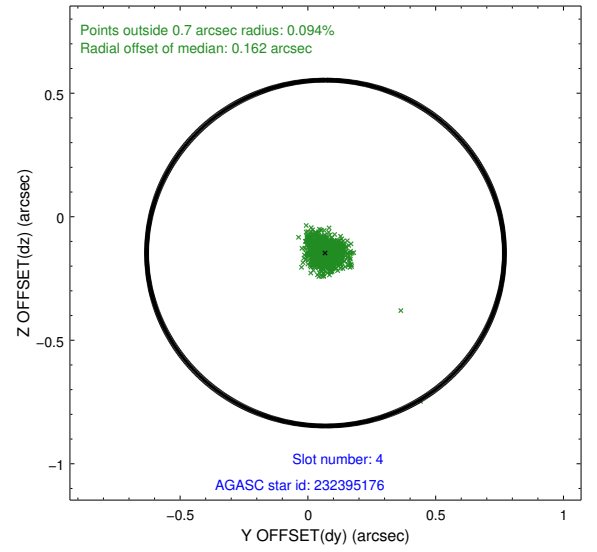
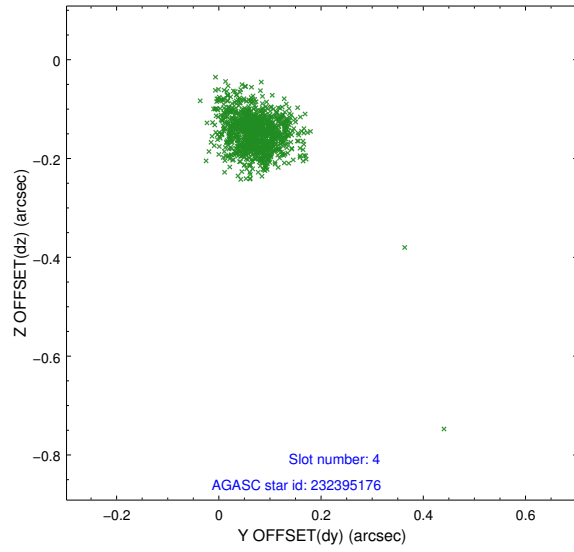
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	533	0.063	-0.095	0.006	0.011	0.000000	0.000000	935.55	-1727.71
1	FID	ACIS-S-5	7.24	533	-0.108	0.032	0.006	0.011	0.000000	0.000000	-1811.96	166.88
2	FID	ACIS-S-6	7.35	533	0.024	0.076	0.007	0.011	0.000000	0.000000	397.82	814.27
3	GUIDE	232394416	9.39	1065	0.115	-0.061	0.083	0.137	33.559636	27.505674	-1145.36	837.75
4	GUIDE	232395176	8.15	1066	0.069	-0.147	0.055	0.091	33.863907	27.357261	-2192.91	463.70
5	GUIDE	232918928	8.94	1066	-0.083	0.047	0.090	0.146	33.545610	28.394274	1274.48	-1251.07
6	GUIDE	232919784	6.31	1066	-0.238	0.136	0.065	0.104	33.658254	28.691181	1840.10	-2229.21
7	GUIDE	232392656	9.20	1063	0.136	0.031	0.089	0.138	33.630755	27.947795	-103.16	-389.70

2.4 Star Slots

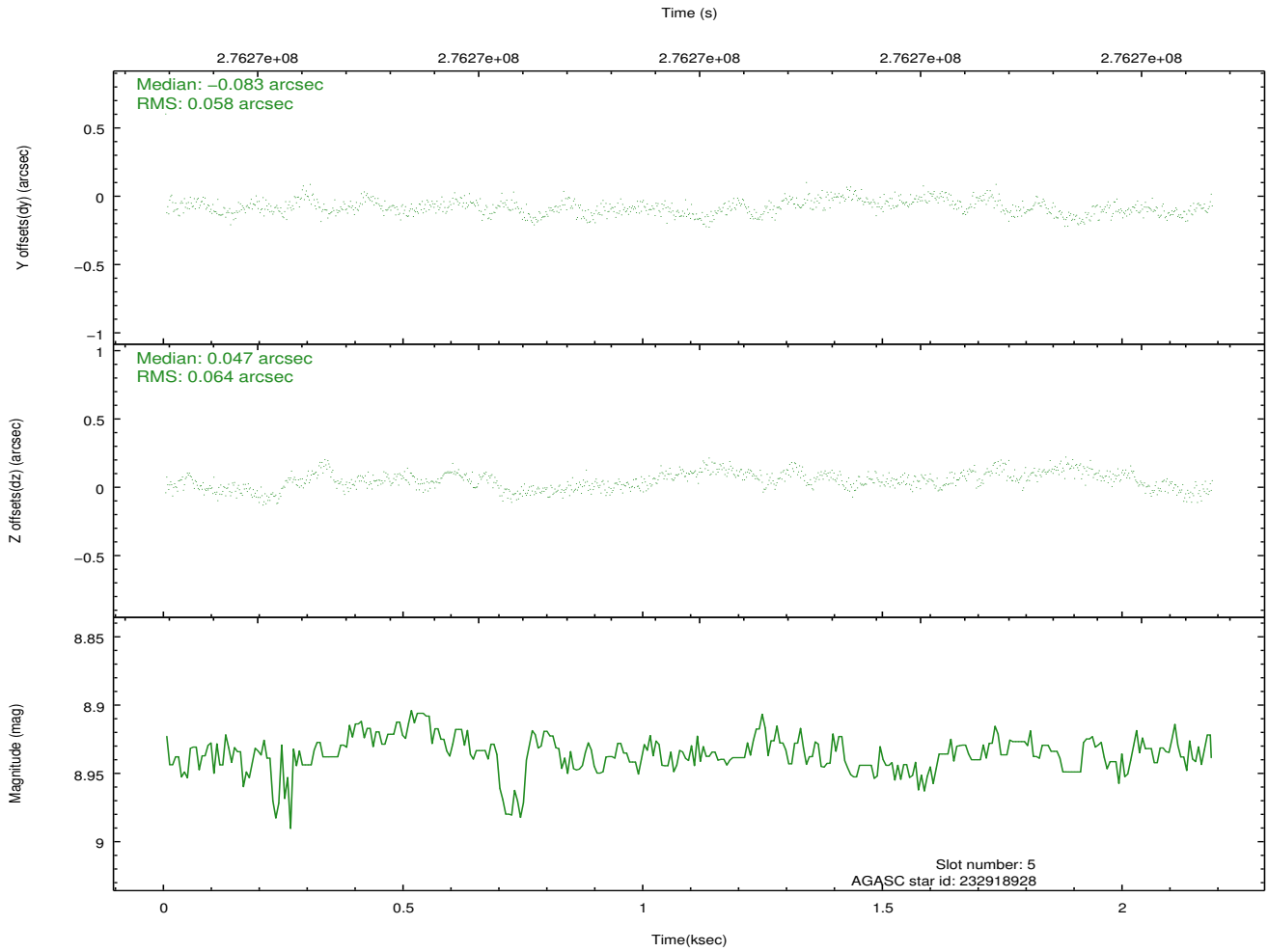
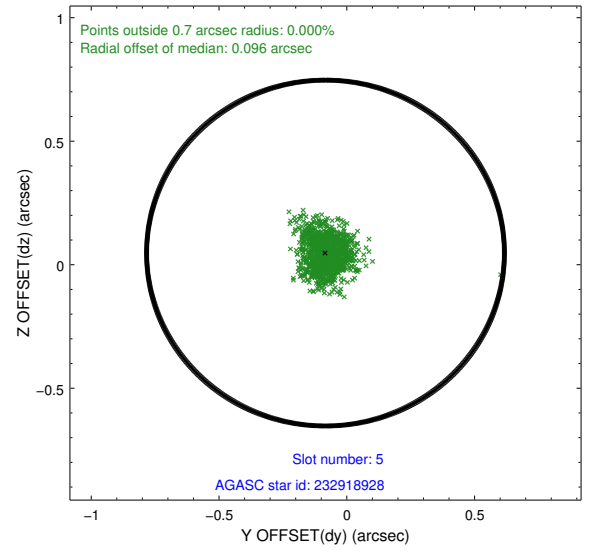
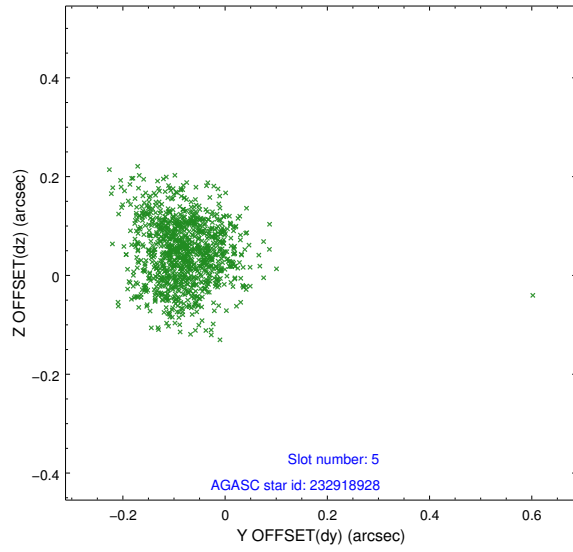
2.4.1 Slot 3



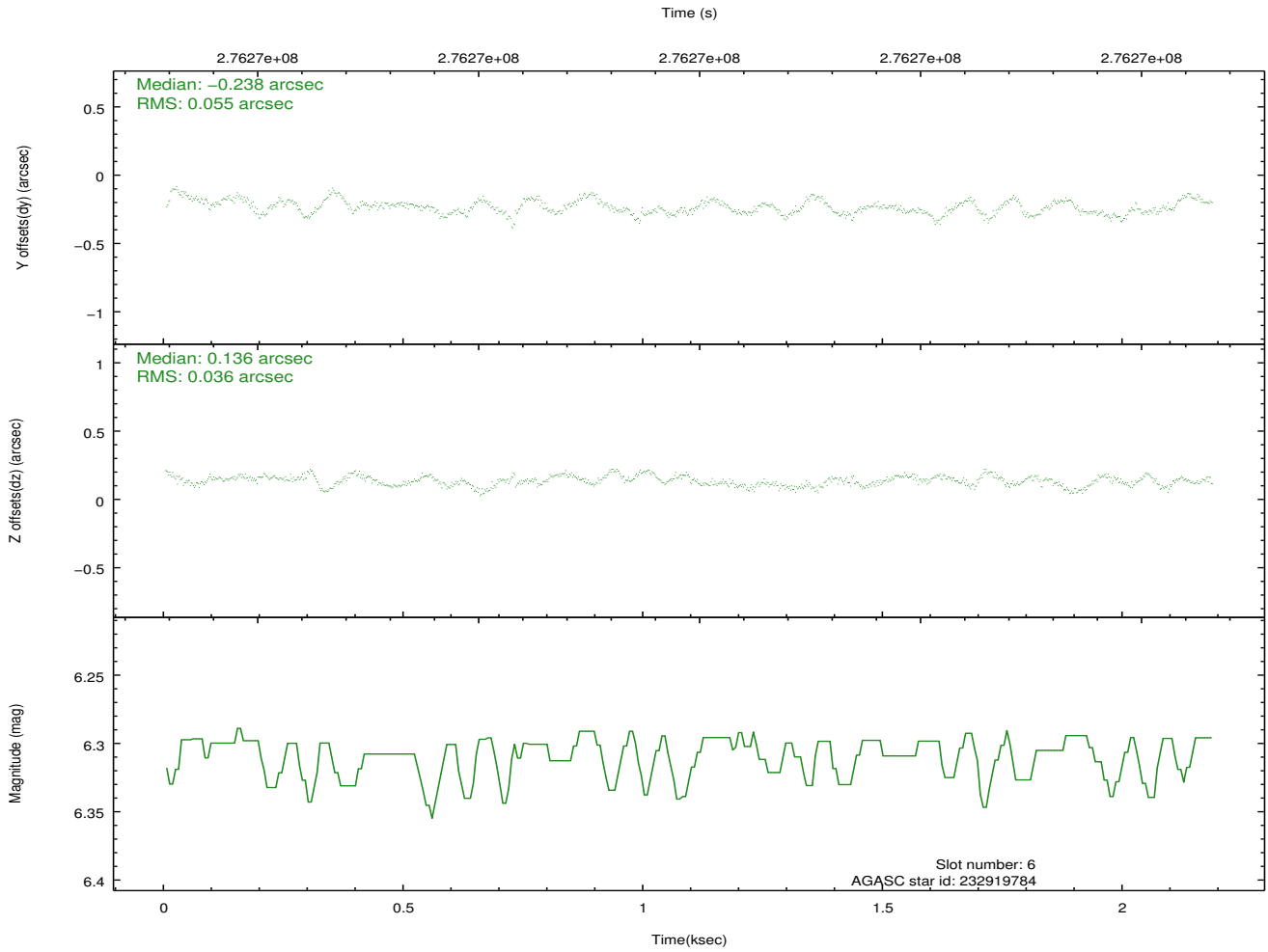
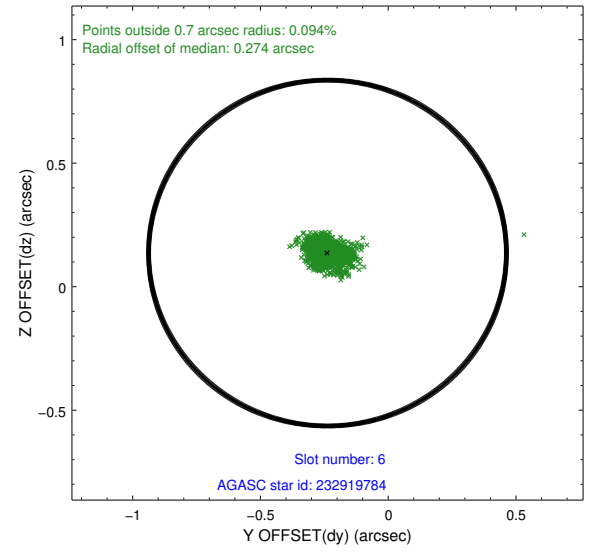
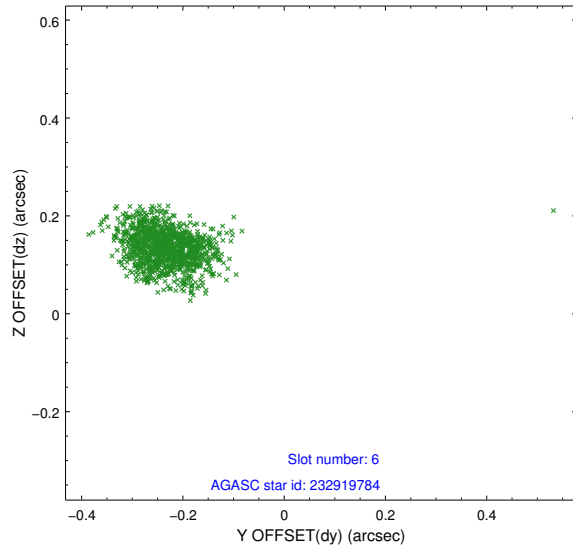
2.4.2 Slot 4



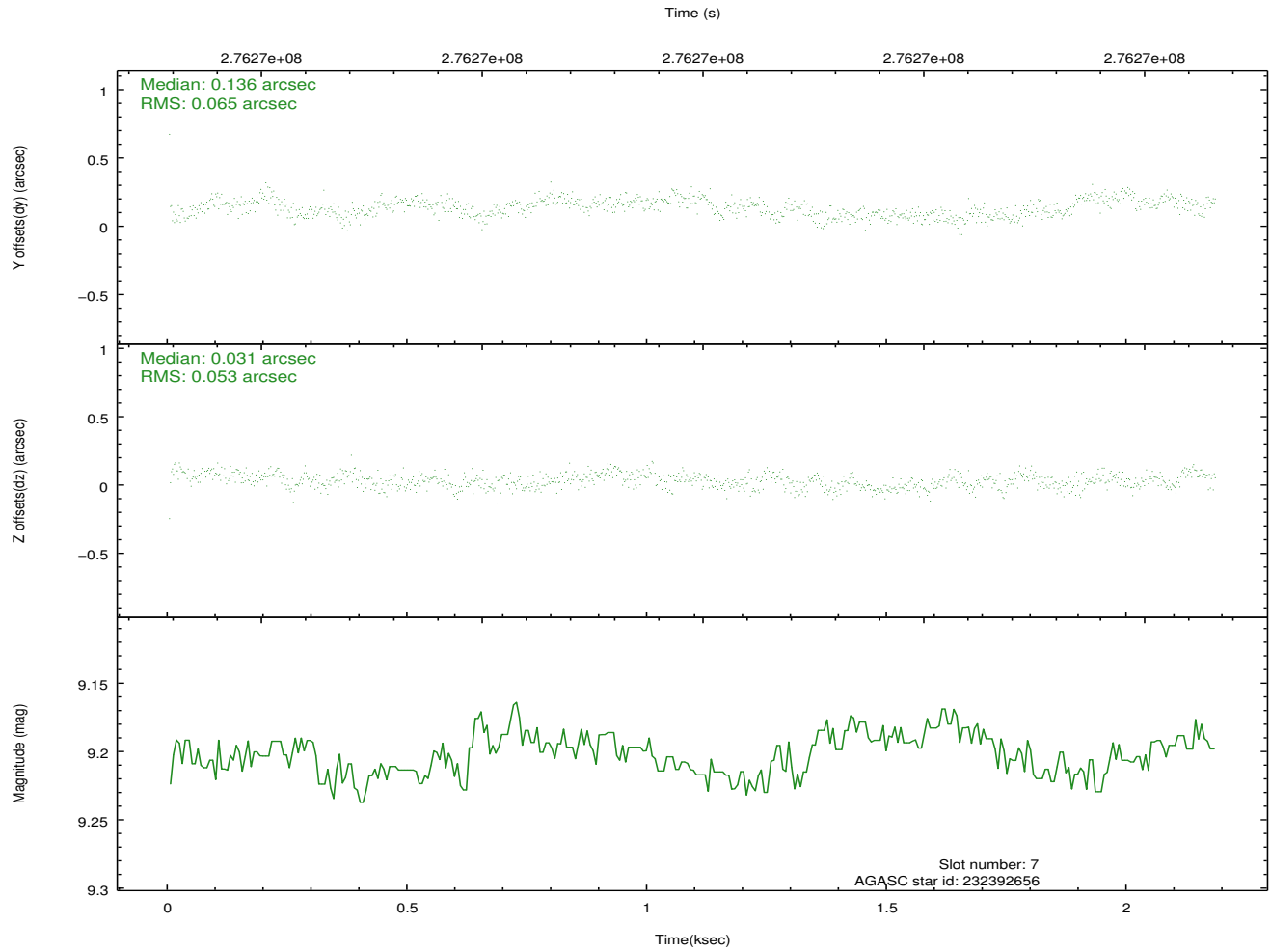
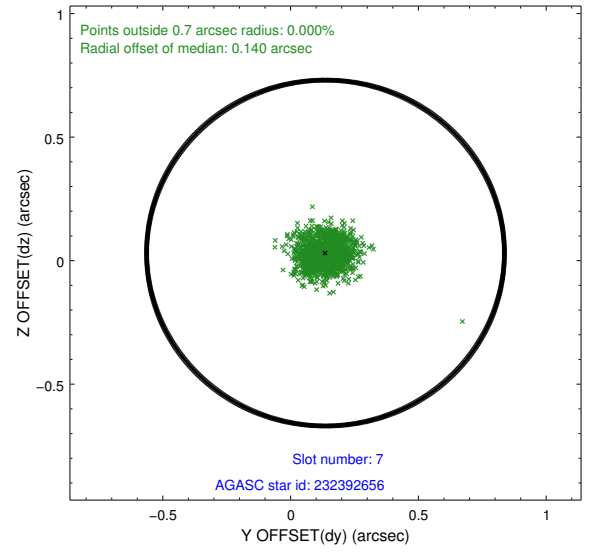
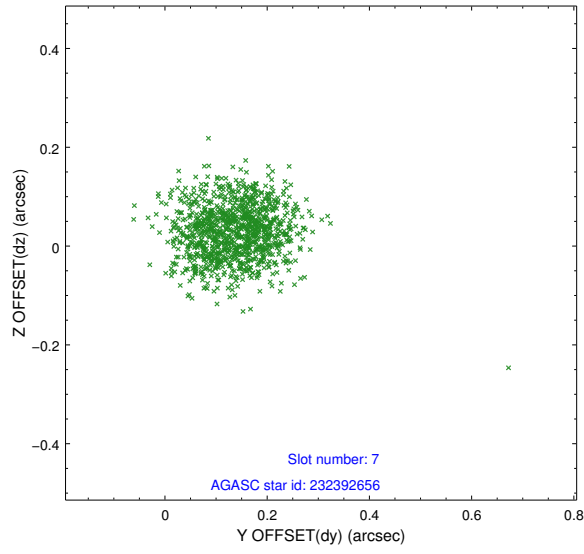
2.4.3 Slot 5



2.4.4 Slot 6

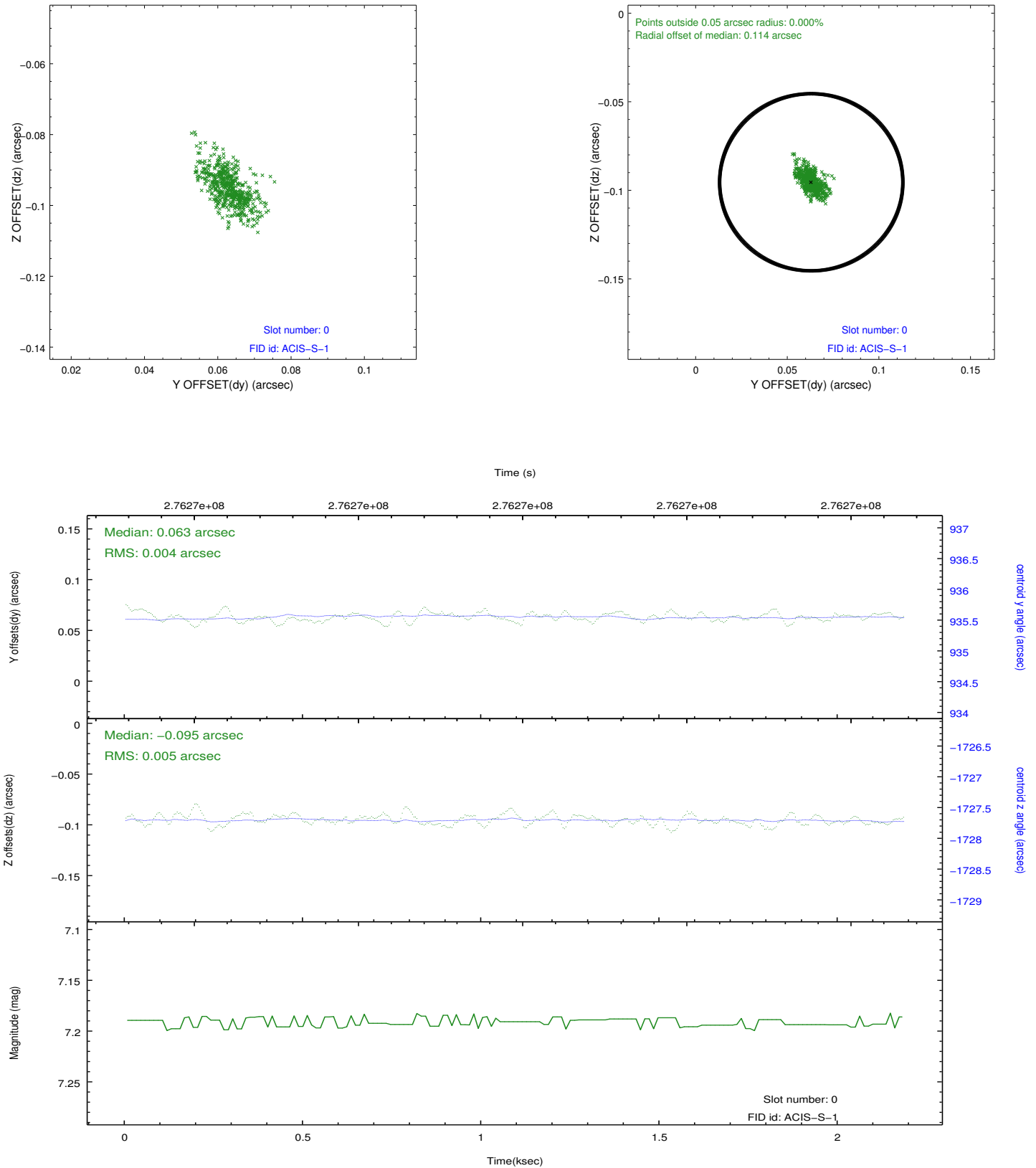


2.4.5 Slot 7

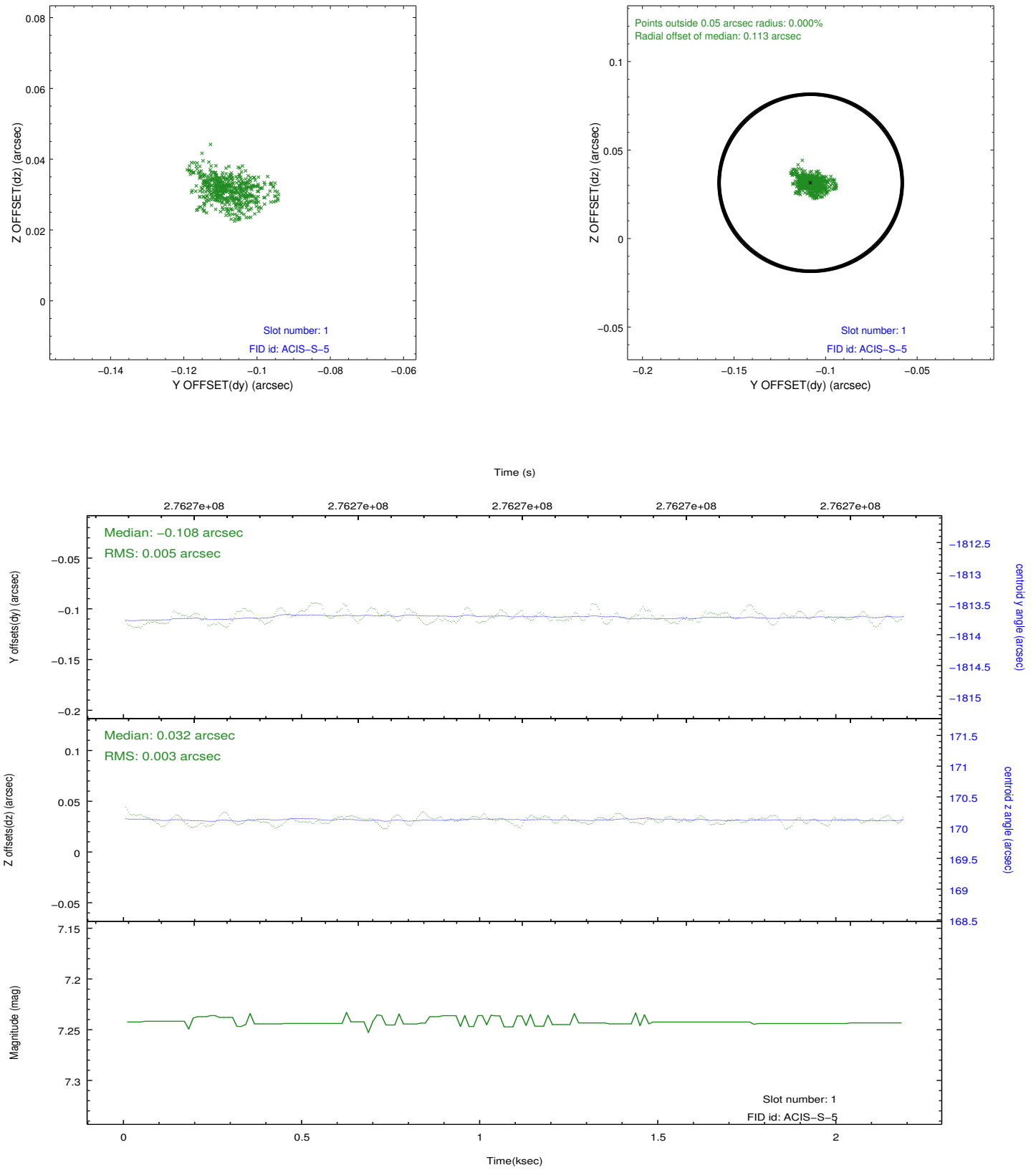


2.5 FID Slots

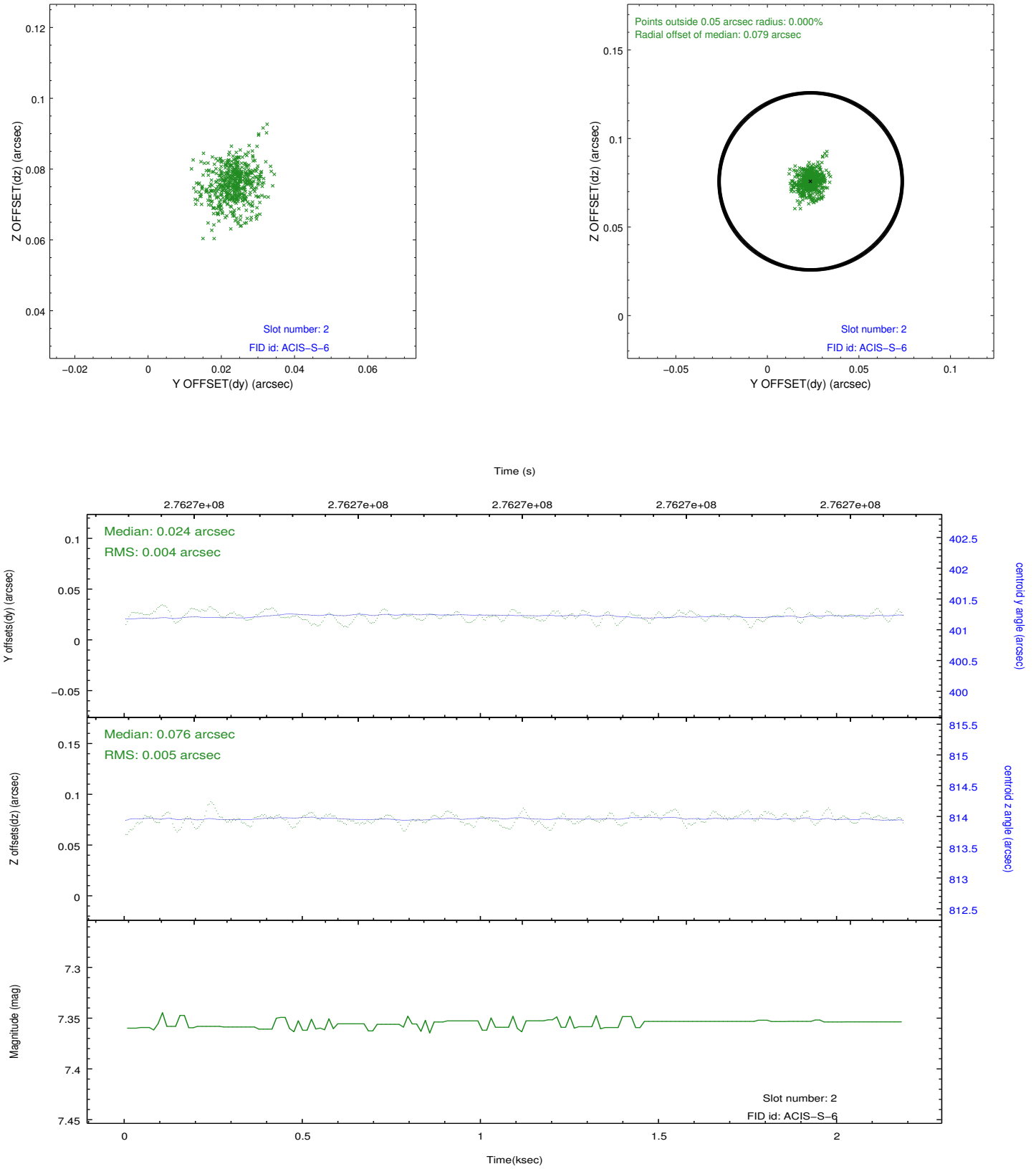
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.75679999

A.2 Comments