

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3092 - L2 Version 3
Chandra X-Ray Center

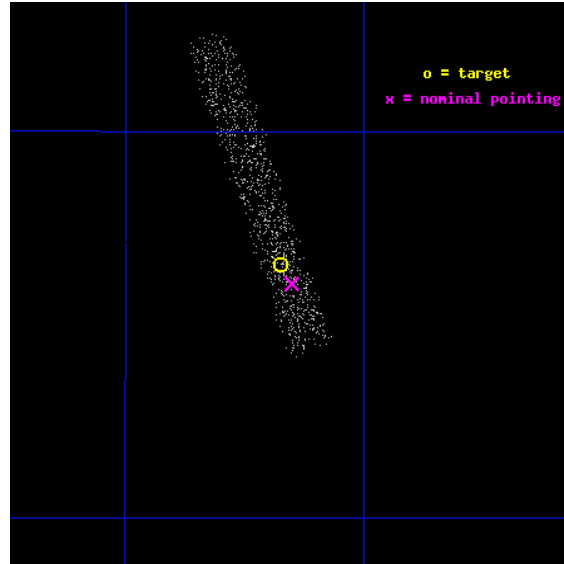
L2 Processing Date : Oct 3 2012

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

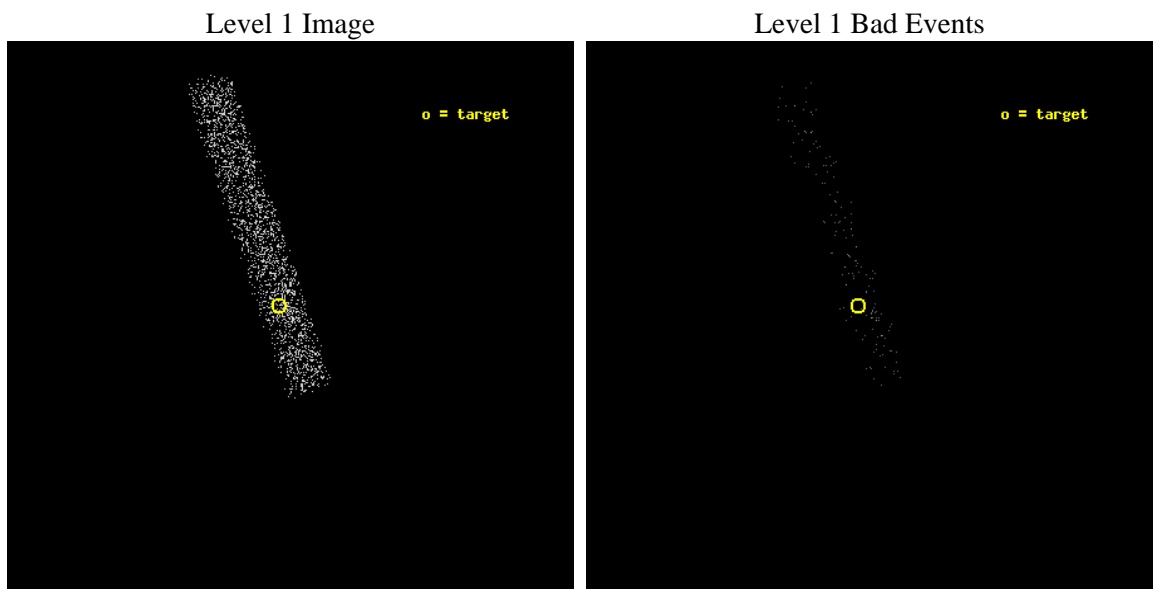
seq_num	700531	Sequence number
obs_id	3092	Observation id
title	THE X-RAY SPECTRA OF RED QUASARS SELECTED FROM 2MASS AND FIRST	Pro
observer	Dr Mark Lacy	Principal investigator
object	FTM0729+3336	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	112.293333	Observer's specified target RA [deg]
dec_targ	33.609444	Observer's specified target Dec [deg]
ra_nom	112.28781723509	Nominal RA [deg]
dec_nom	33.601046400519	Nominal Dec [deg]
roll_nom	251.37605792217	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2094.000031203	Sum of GTIs [s]
livetime	1899.1474979168	Livetime [s]
ontime7	2094.000031203	Sum of GTIs [s]
l2events	1016	Number of level 2 events



2 OBI

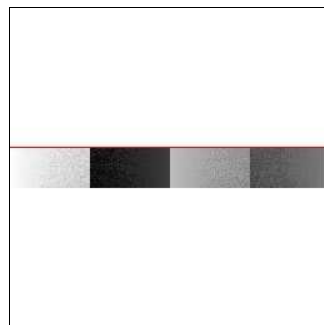
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1927.749000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2094.000031203	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	2094.000031203	Sum of GTIs [s]
date	2012-10-03T02:54:21	Date and time of file creation	l1events	3784	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

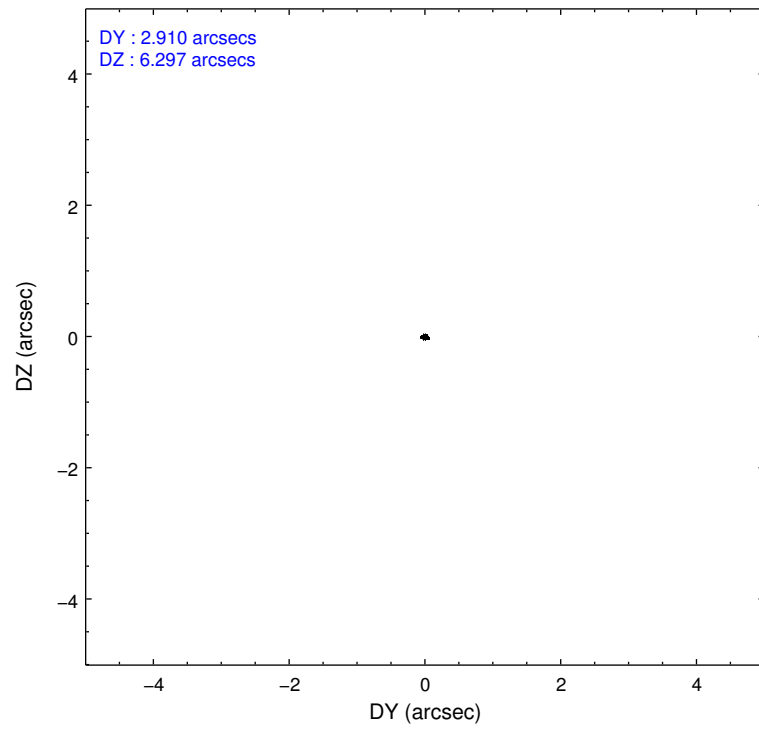
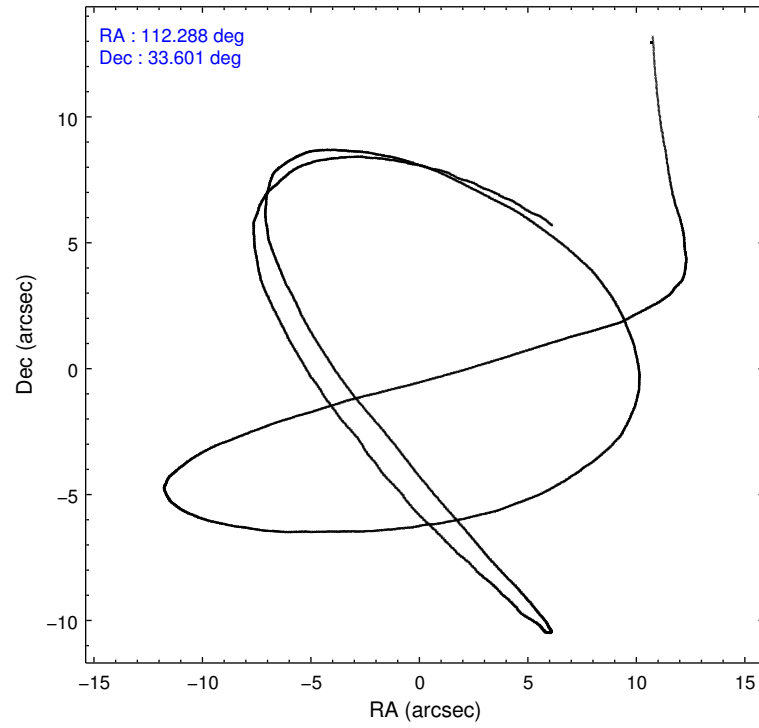
	ccd 7
level 1 events	3784
rejected events	2715
rejected %	71%

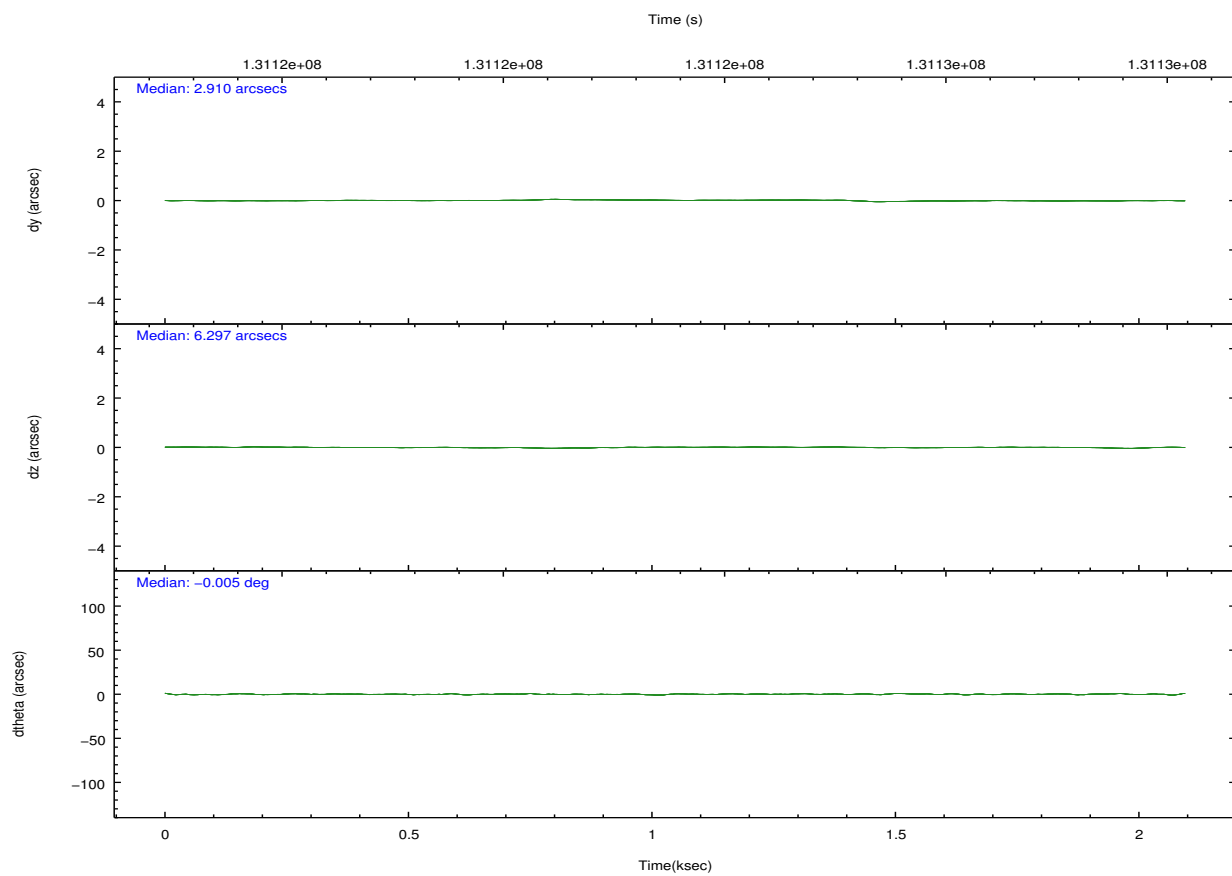
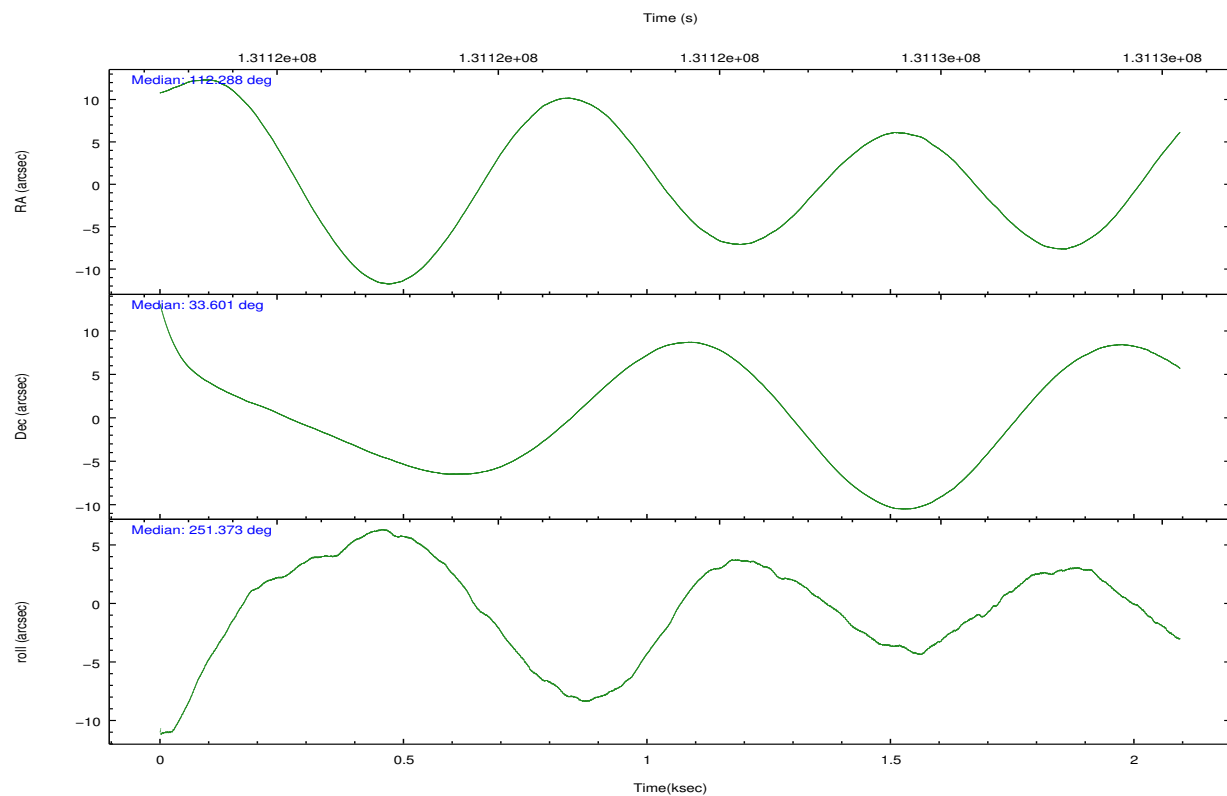
	ccd 7
grade 0 events	133
	3%
grade 1 events	3
	0%
grade 2 events	325
	8%
grade 3 events	238
	6%
grade 4 events	204
	5%
grade 5 events	354
	9%
grade 6 events	744
	19%
grade 7 events	1783
	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	112.280864	112.2878172350851	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	33.627578	33.60104640051942	Subarray start row	449	449
[deg] Pointing Roll	251.223300	251.3760579221689	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	131124006.184000	131122705.87148			
Observation start date	2002-02-26T15:19:02	2002-02-26T14:58:25			
[s] Observation end time (MET)	131125934.184000	131126248.78412			
Observation end date	2002-02-26T15:51:10	2002-02-26T15:57:28			
Read mode	TIMED	TIMED			

2.3 Aspect



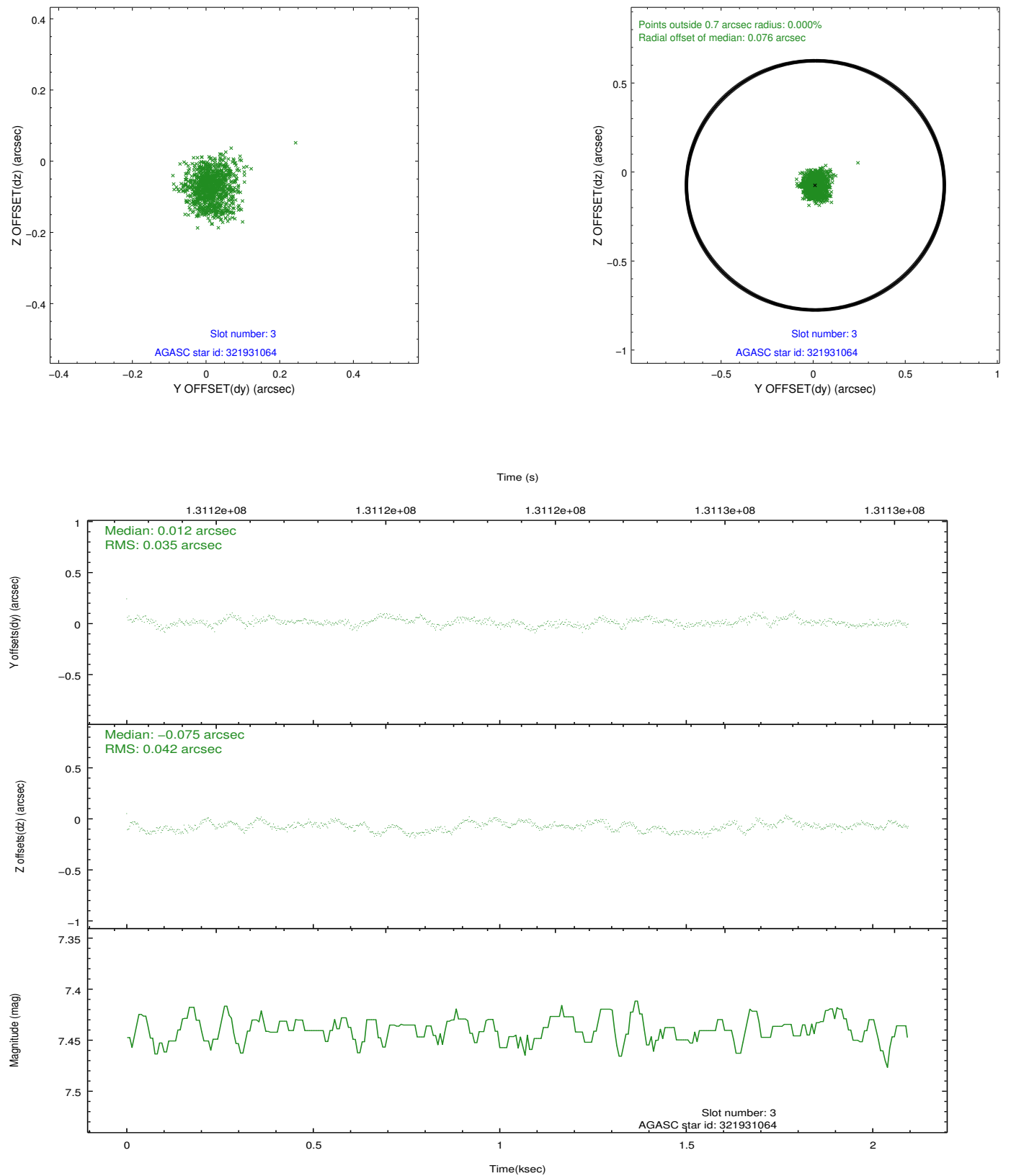


Slot Statistics

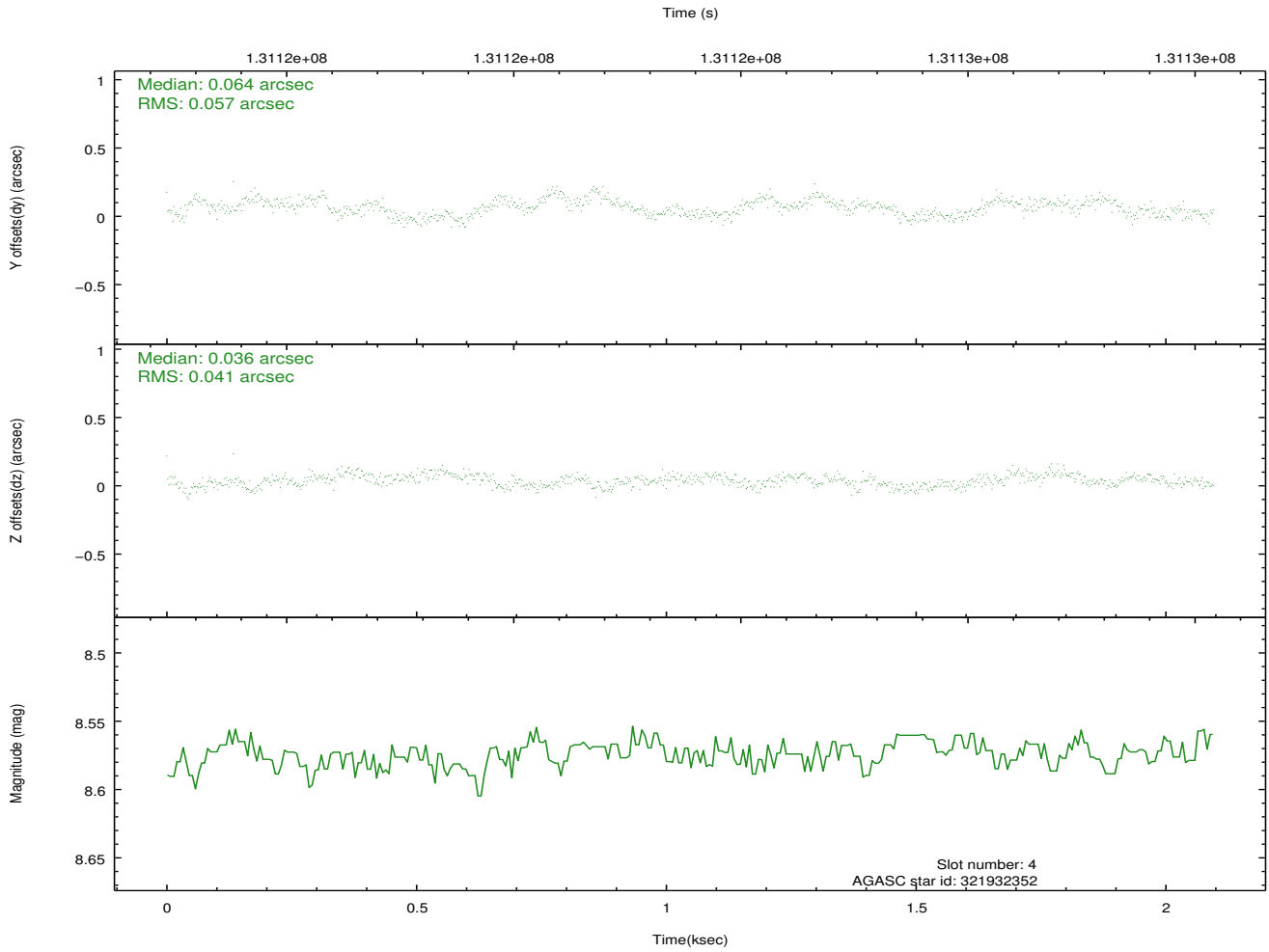
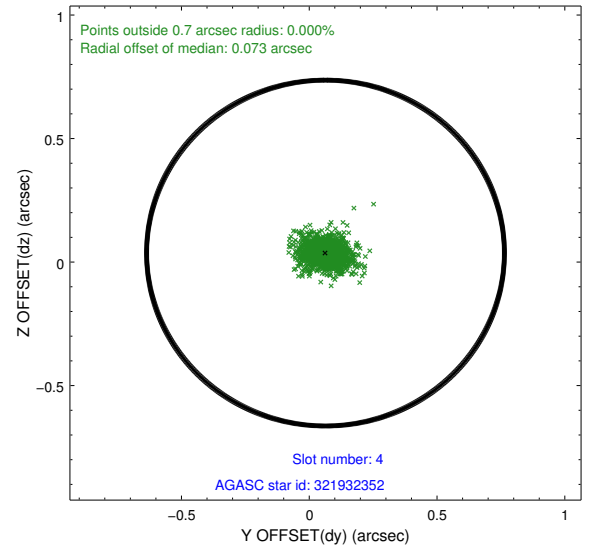
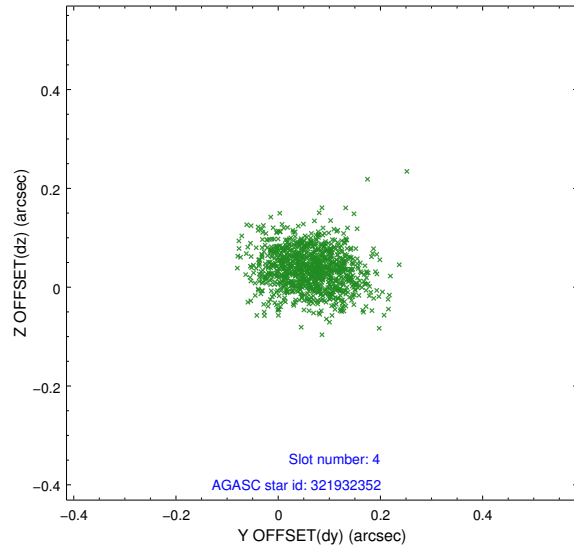
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	511	-0.033	0.008	0.006	0.012	0.000000	0.000000	-755.55	-1727.45
1	FID	ACIS-S-4	7.21	510	-0.020	0.014	0.006	0.010	0.000000	0.000000	2156.29	177.87
2	FID	ACIS-S-5	7.24	510	0.022	-0.013	0.007	0.010	0.000000	0.000000	-1804.35	175.00
3	GUIDE	321931064	7.44	1022	0.012	-0.075	0.059	0.093	112.196145	33.042385	2078.84	436.29
4	GUIDE	321932352	8.57	1022	0.064	0.036	0.073	0.125	112.277018	32.954858	2300.74	769.31
5	GUIDE	321926120	8.80	1022	0.204	-0.022	0.075	0.127	111.454453	33.567180	999.09	-2279.29
6	GUIDE	322444848	9.59	1022	-0.286	-0.258	0.101	0.164	111.782567	34.448914	-2323.89	-2356.10
7	GUIDE	322056440	9.52	1022	0.016	0.319	0.131	0.212	112.679602	33.710821	-670.56	1031.43

2.4 Star Slots

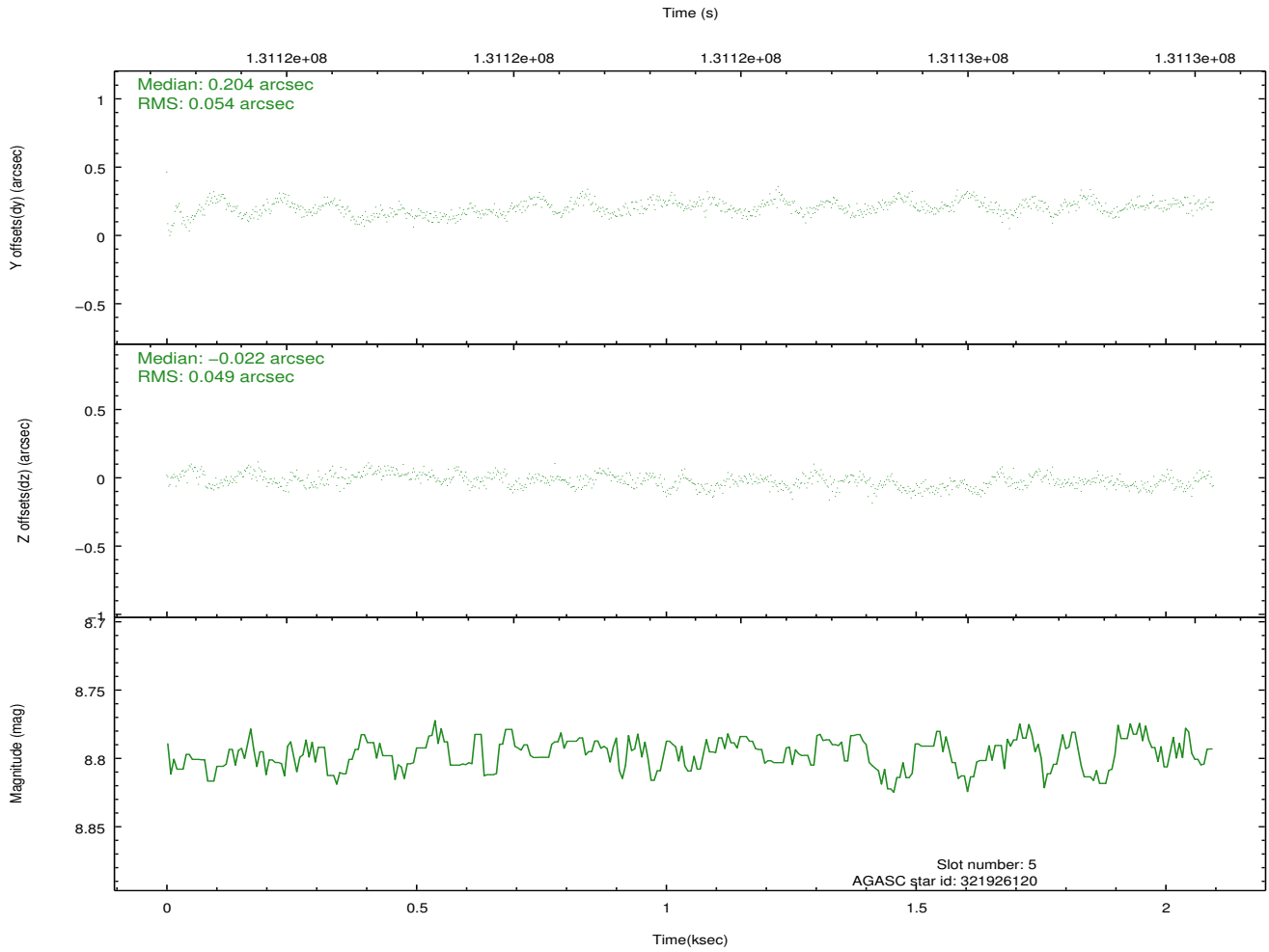
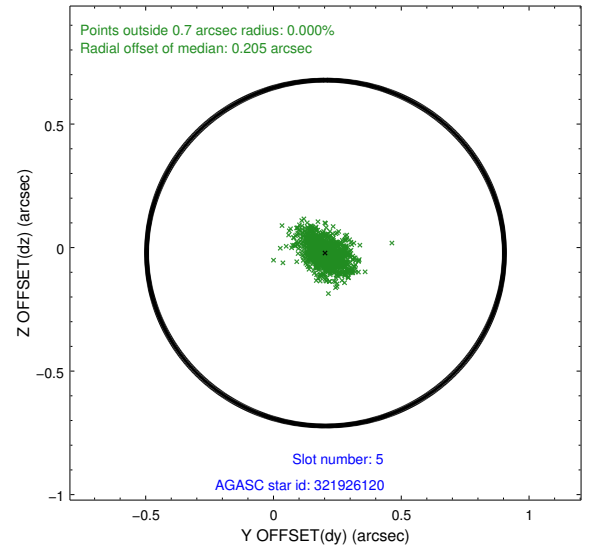
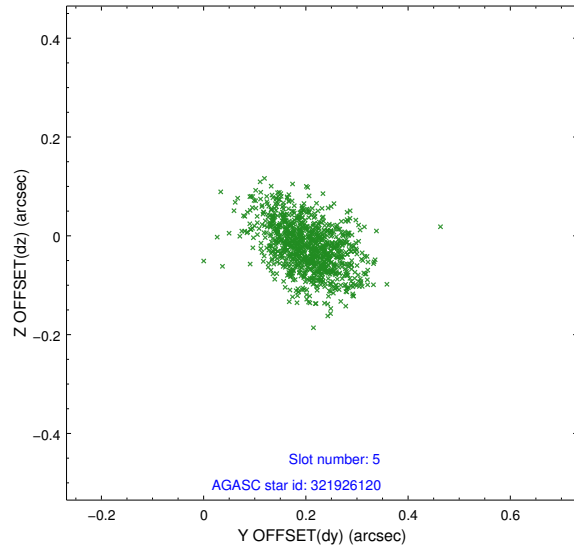
2.4.1 Slot 3



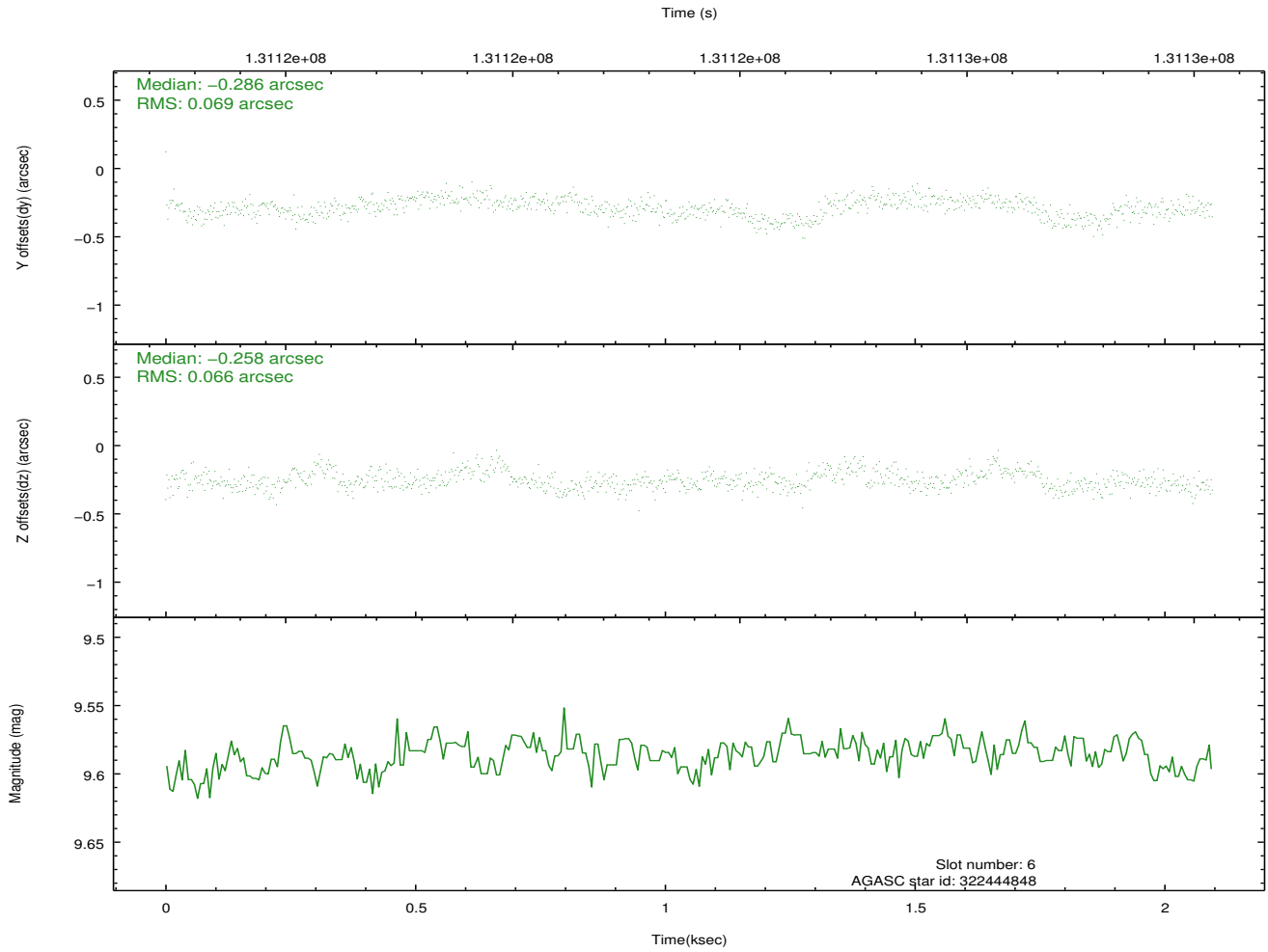
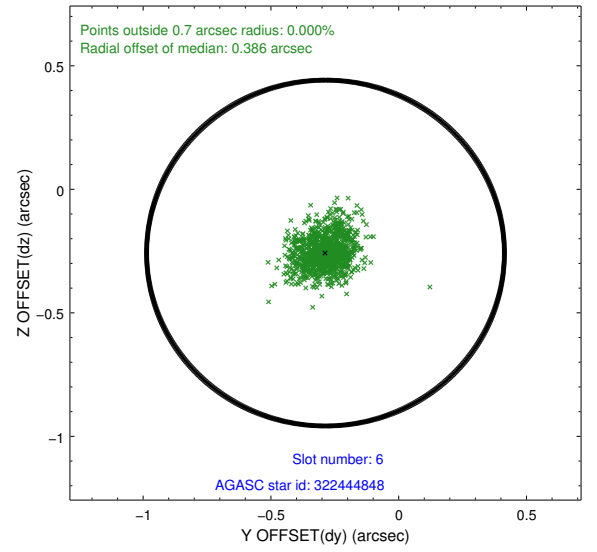
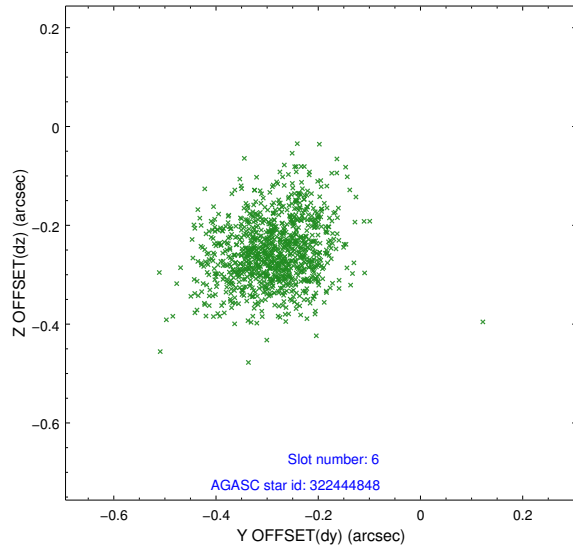
2.4.2 Slot 4



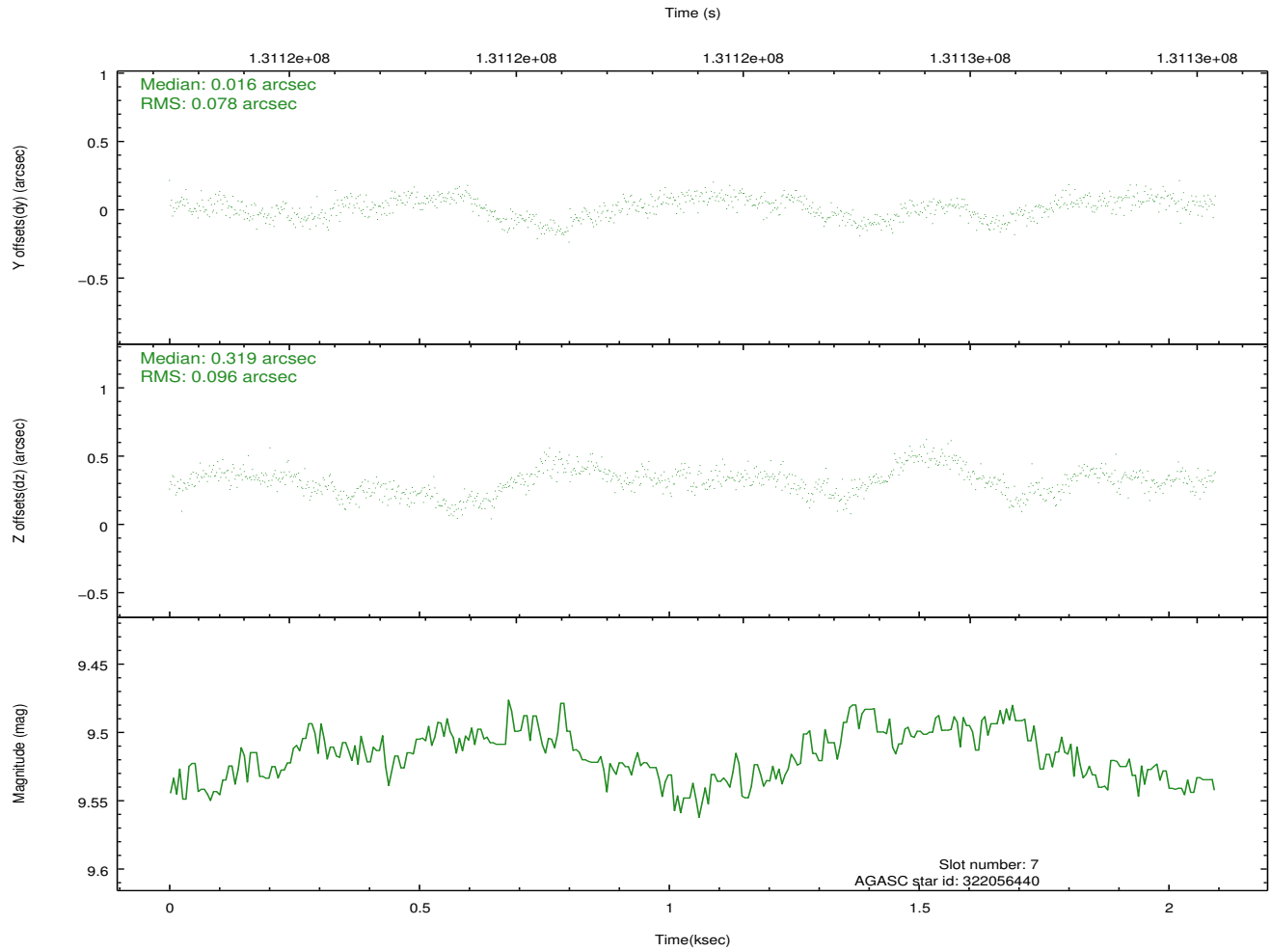
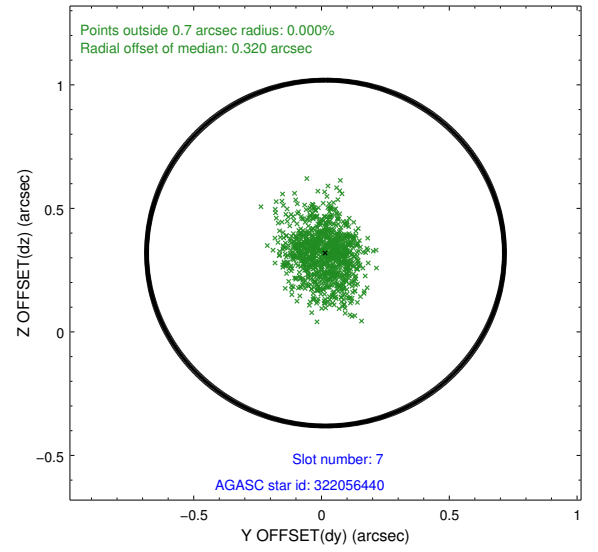
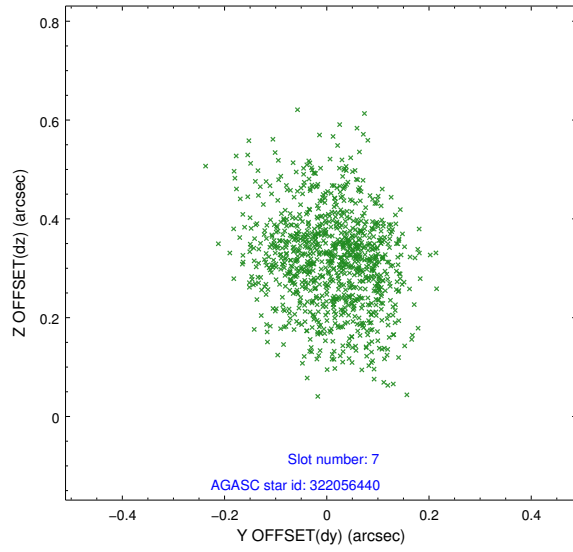
2.4.3 Slot 5



2.4.4 Slot 6

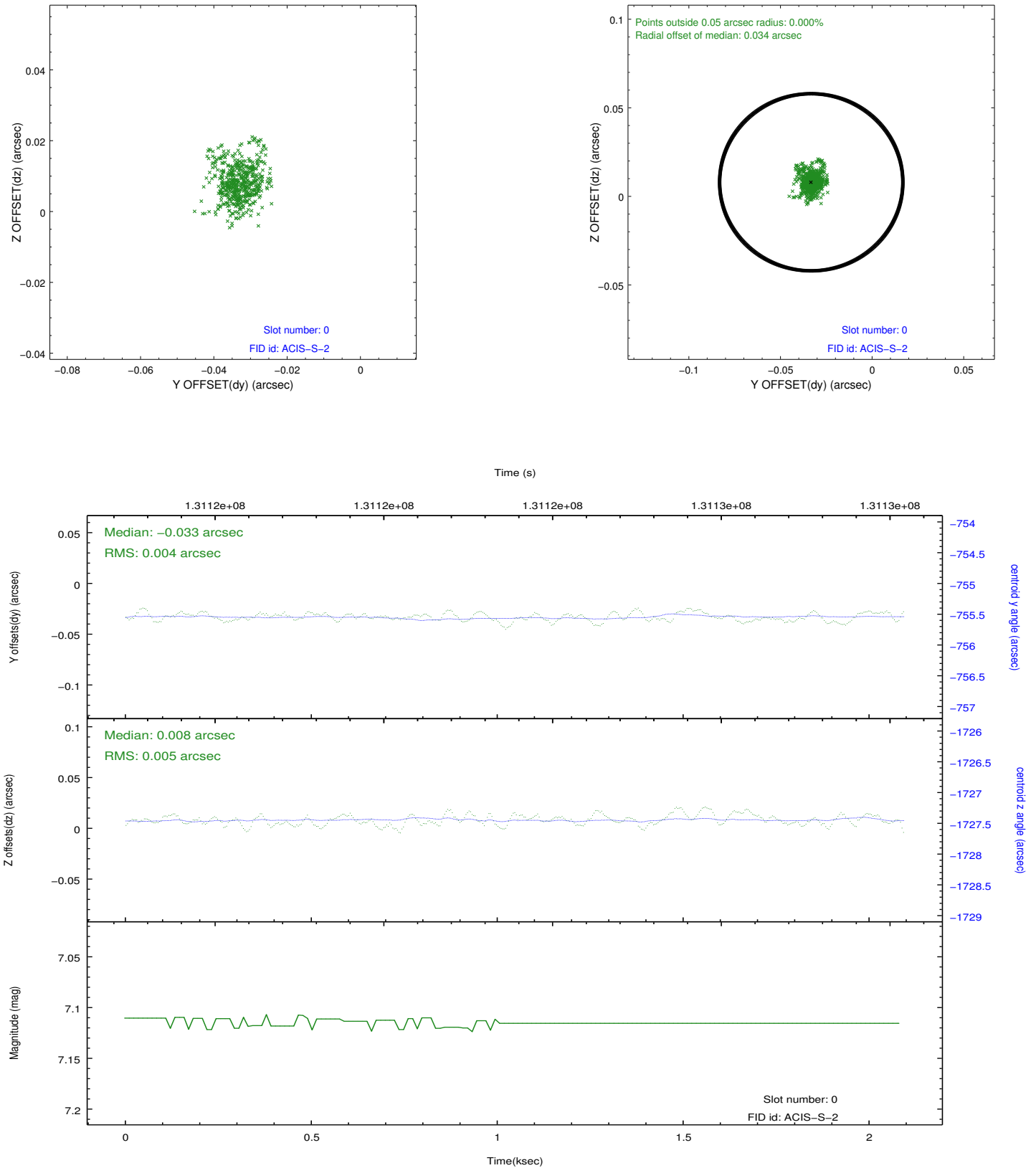


2.4.5 Slot 7

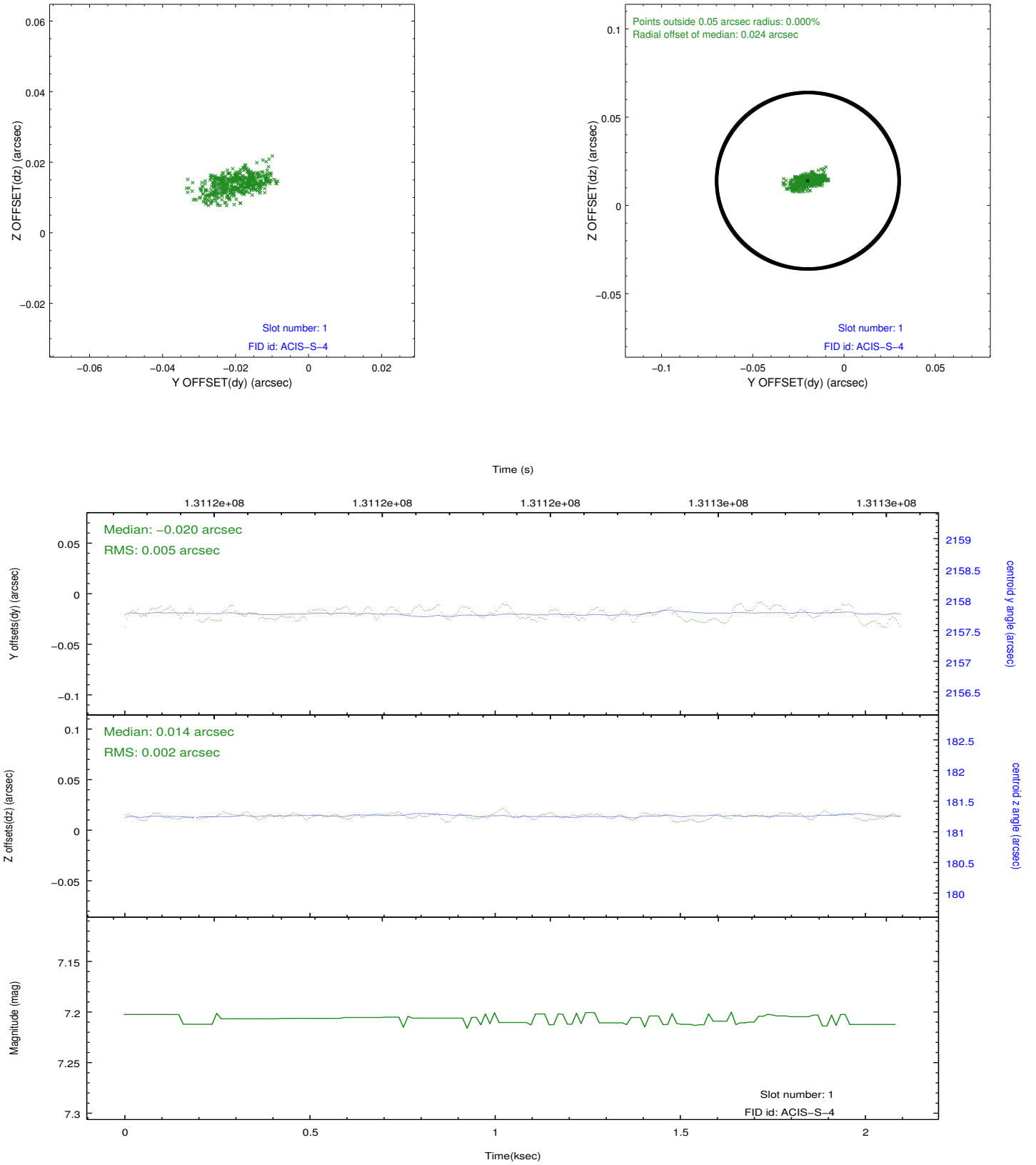


2.5 FID Slots

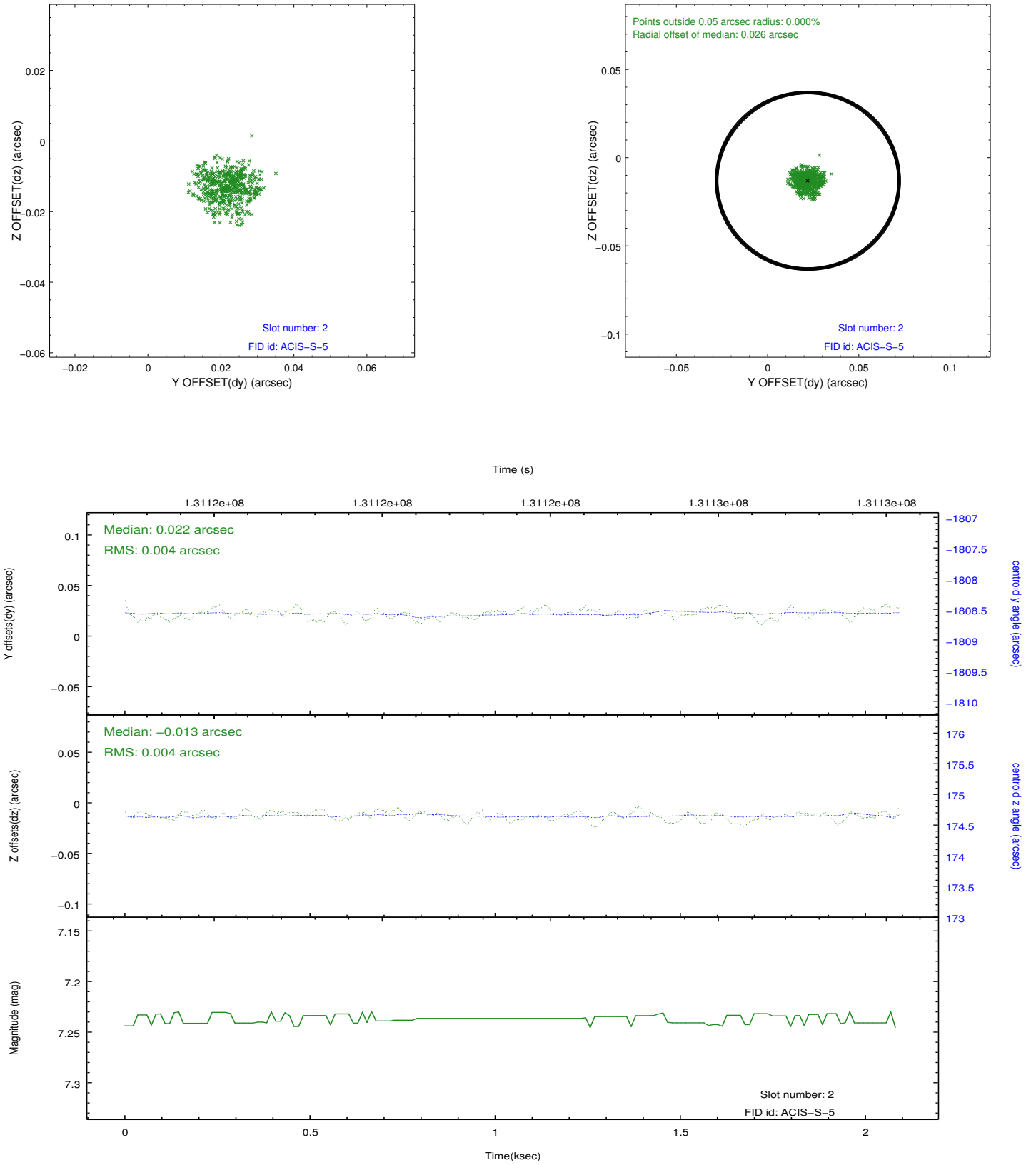
2.5.1 Slot 0



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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.094

A.2 Comments