

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2512 - L2 Version 7
Chandra X-Ray Center

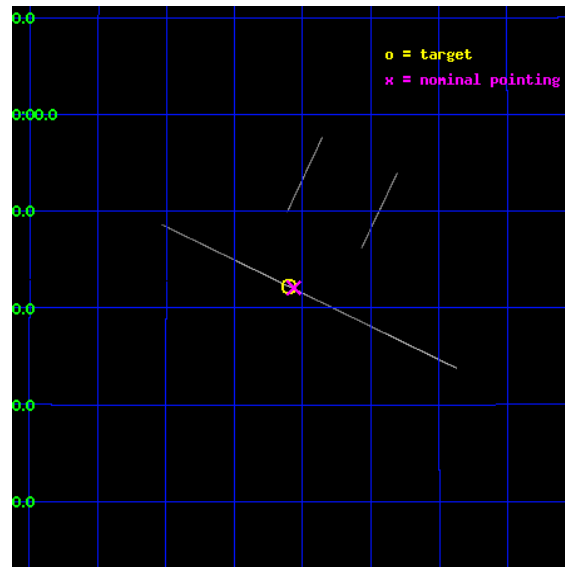
L2 Processing Date : Sep 26 2012

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 7	12
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
A	Summary	15
A.1	Status	15
A.2	Comments	15

1 Front

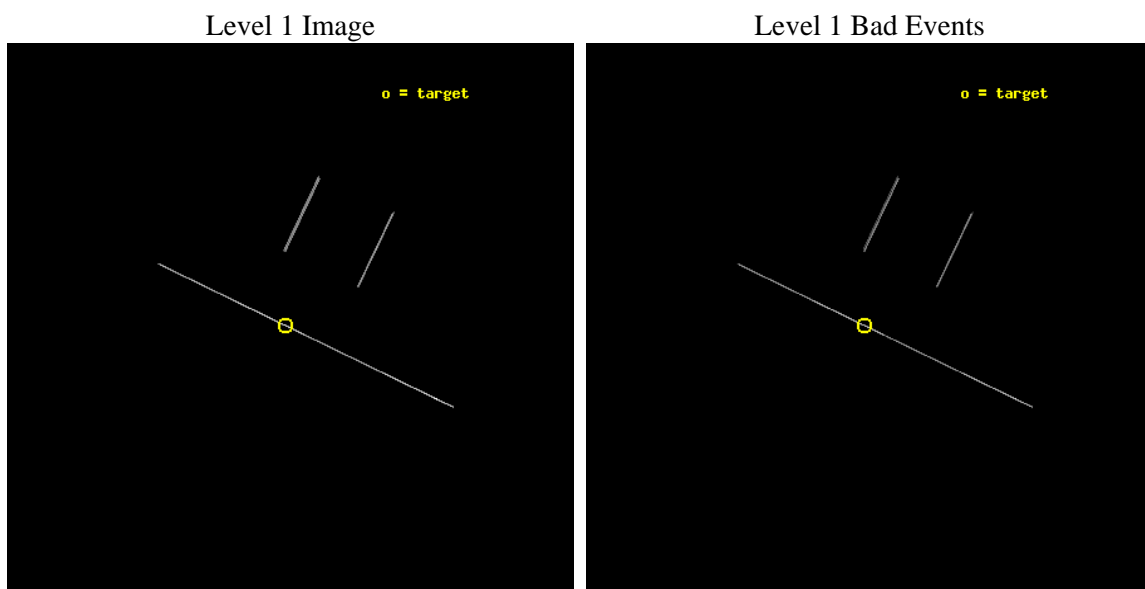
seq_num	300065	Sequence number
obs_id	2512	Observation id
title	FIRST X-RAY OBSERVATIONS DURING AN EXTREMELY RARE OUTBURST OF WZ SGE	
observer	Dr Erik Kuulkers	Principal investigator
object	WZ SGE	Source name
ra_targ	301.900833	Observer's specified target RA [deg]
dec_targ	17.704167	Observer's specified target Dec [deg]
ra_nom	301.8909567431	Nominal RA [deg]
dec_nom	17.701502225859	Nominal Dec [deg]
roll_nom	205.64091537956	Nominal Roll [deg]
revision	7	Processing version of data
ontime	4906.6195201576	Sum of GTIs [s]
livetime	4887.453037657	Livetime [s]
ontime2	4908.0816081166	Sum of GTIs [s]
ontime3	4908.0815840065	Sum of GTIs [s]
ontime5	4906.6195227951	Sum of GTIs [s]
ontime6	4908.0798700005	Sum of GTIs [s]
ontime7	4906.6195201576	Sum of GTIs [s]
ontime8	4908.0798677206	Sum of GTIs [s]
l2events	59508	Number of level 2 events



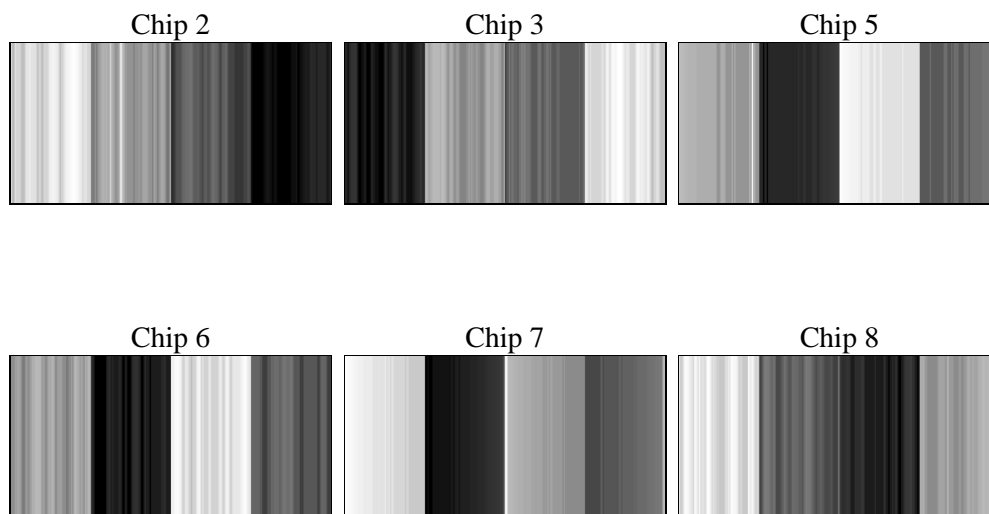
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4771.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4906.6195201576	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4908.0816081166	Sum of GTIs [s]
date	2012-09-26T18:30:23	Date and time of file creation	ontime3	4908.0815840065	Sum of GTIs [s]
revision	7	Processing version of data	ontime5	4906.6195227951	Sum of GTIs [s]
			ontime6	4908.0798700005	Sum of GTIs [s]
			ontime7	4906.6195201576	Sum of GTIs [s]
			ontime8	4908.0798677206	Sum of GTIs [s]
			l1events	179115	Number of level 1 events

2.1.4 Events

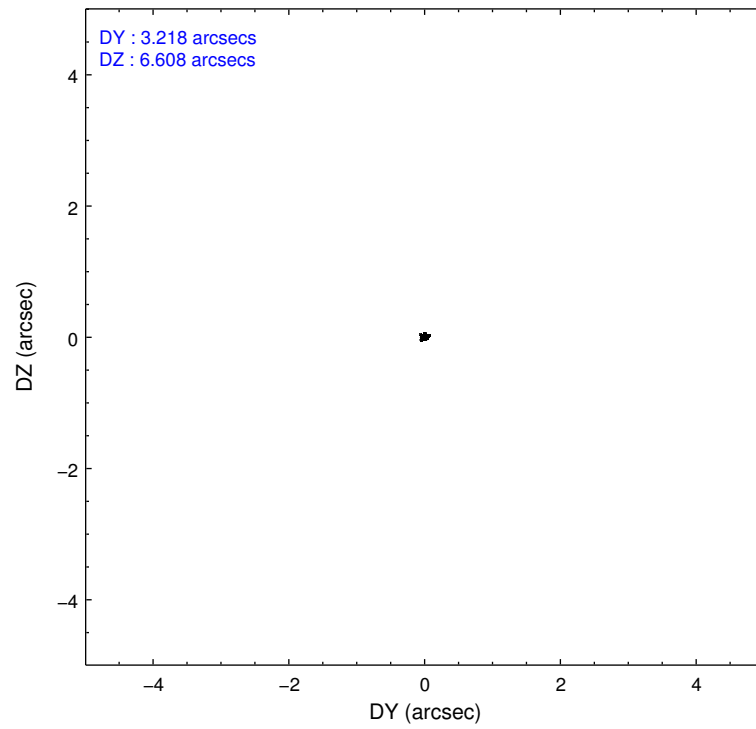
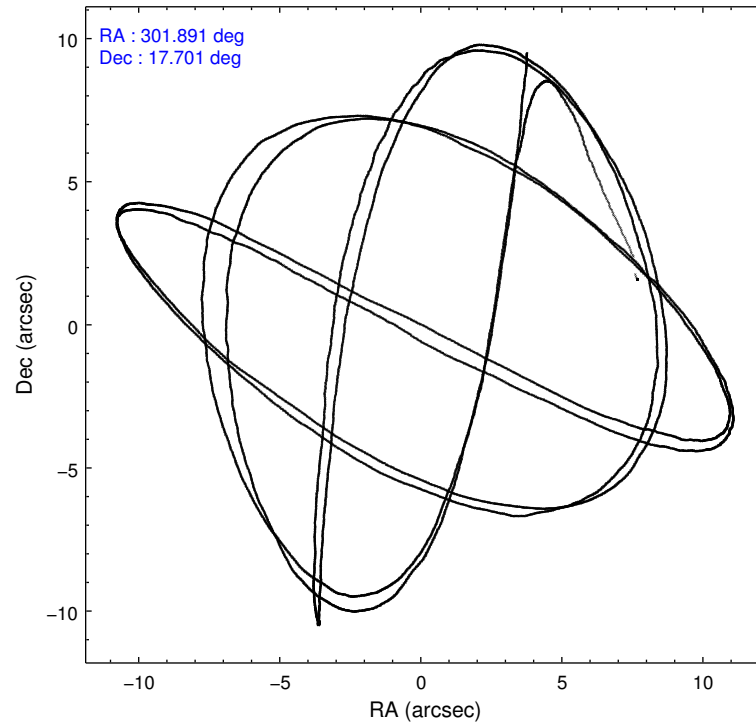
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14190	14776	60172	15117	52952	21908
rejected events	8873	9014	29480	9668	31003	11057
rejected %	62%	61%	48%	63%	58%	50%

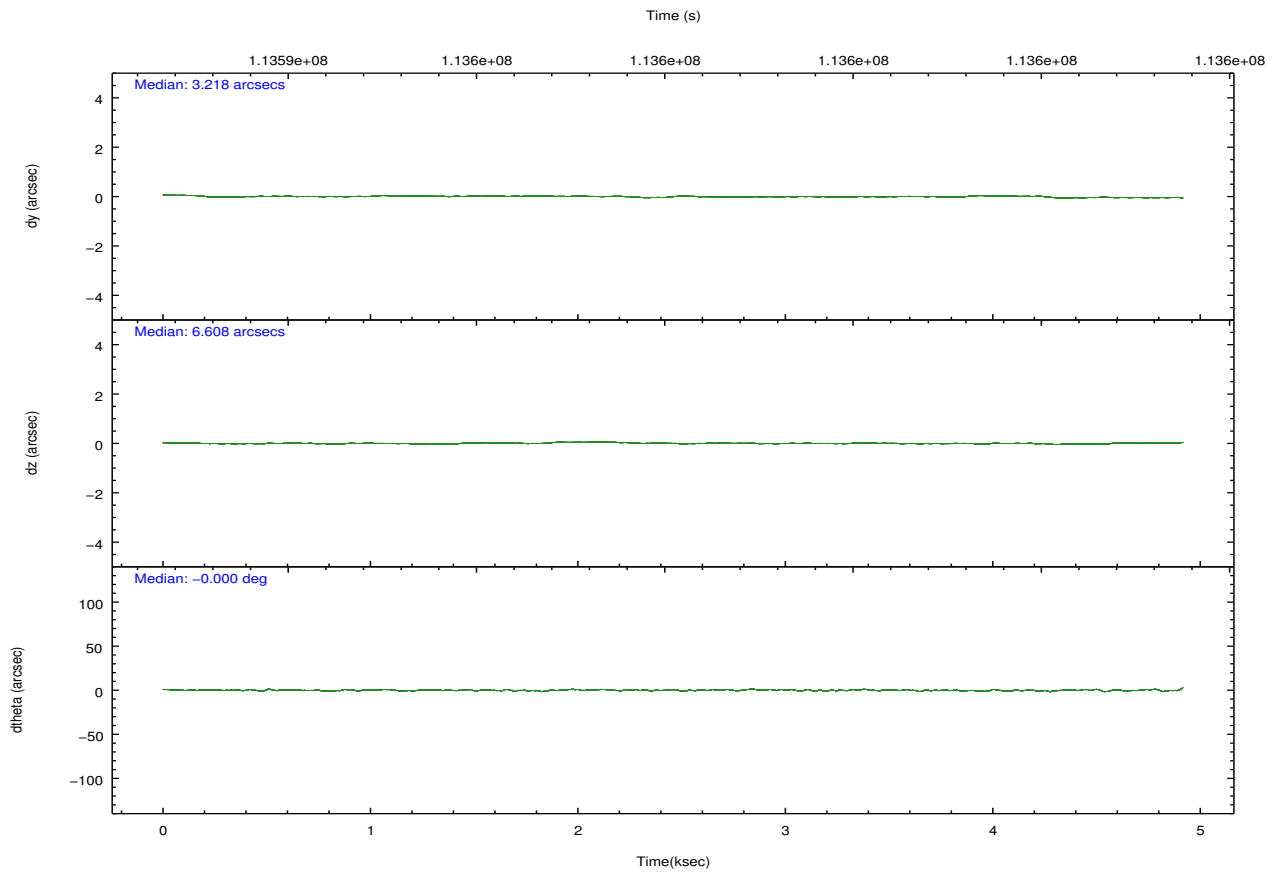
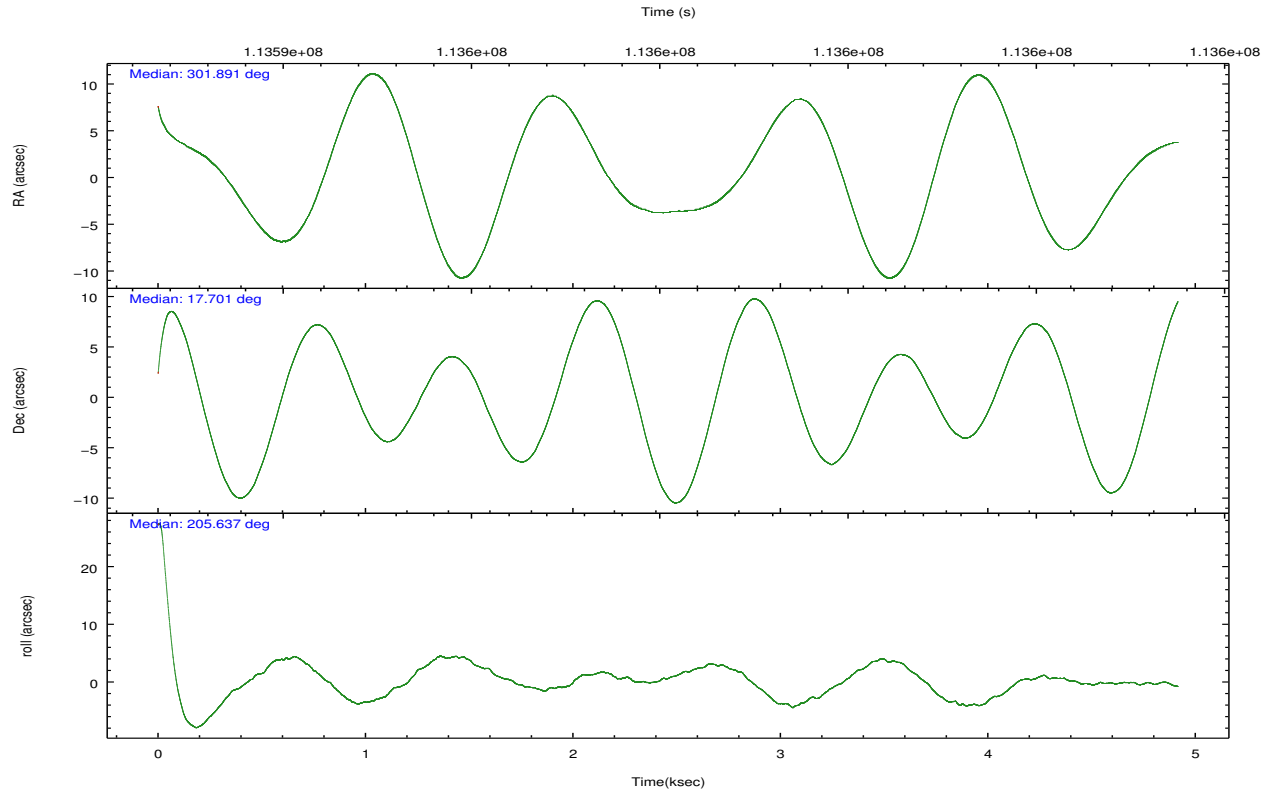
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1558	1652	14230	1454	9831	3444
	10%	11%	23%	9%	18%	15%
grade 1 events	27	19	55	38	87	51
	0%	0%	0%	0%	0%	0%
grade 2 events	6924	7113	19440	7451	12240	8836
	48%	48%	32%	49%	23%	40%
grade 3 events	929	1072	1612	921	4392	1567
	6%	7%	2%	6%	8%	7%
grade 4 events	925	953	1544	869	4244	1579
	6%	6%	2%	5%	8%	7%
grade 5 events	1205	1220	3651	1287	4466	1959
	8%	8%	6%	8%	8%	8%
grade 6 events	2622	2747	19640	3097	17692	4472
	18%	18%	32%	20%	33%	20%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	301.906861	301.8909567430977	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.724267	17.70150222585943	Alternating exposures requested	N	N
[deg] Pointing Roll	205.479348	205.6409153795644	[s] Primary exposure time	0.000000	0
[s] Window start time (MET)	113454064.184000	113454064.184000			
[s] Window stop time (MET)	113713264.184000	113713264.184000			
[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)	113593730.184000	113592656.50945			
Observation start date	2001-08-07T17:47:46	2001-08-07T17:30:56			
[s] Observation end time (MET)	113598501.184000	113600217.93475			
Observation end date	2001-08-07T19:07:17	2001-08-07T19:36:57			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



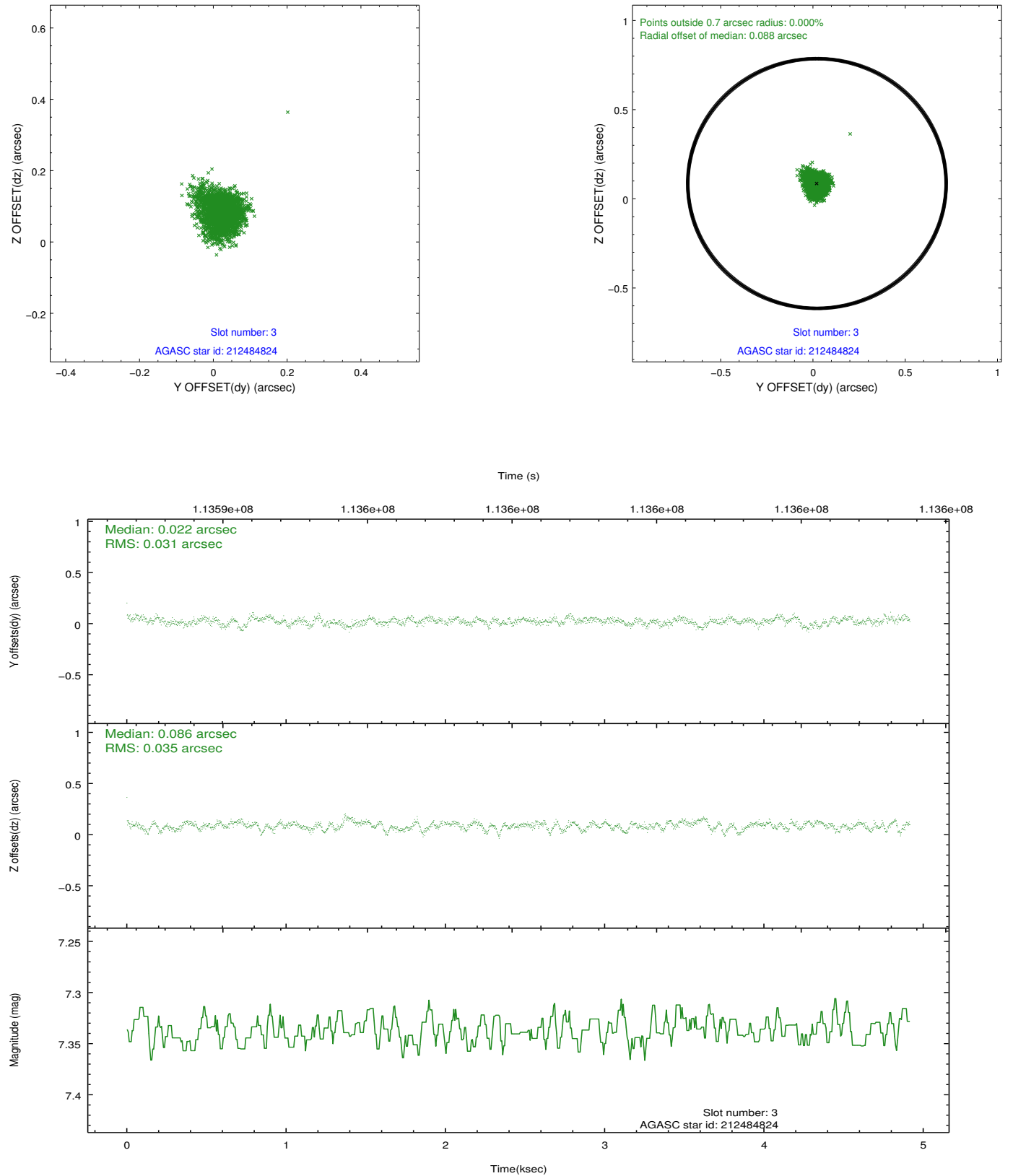


Slot Statistics

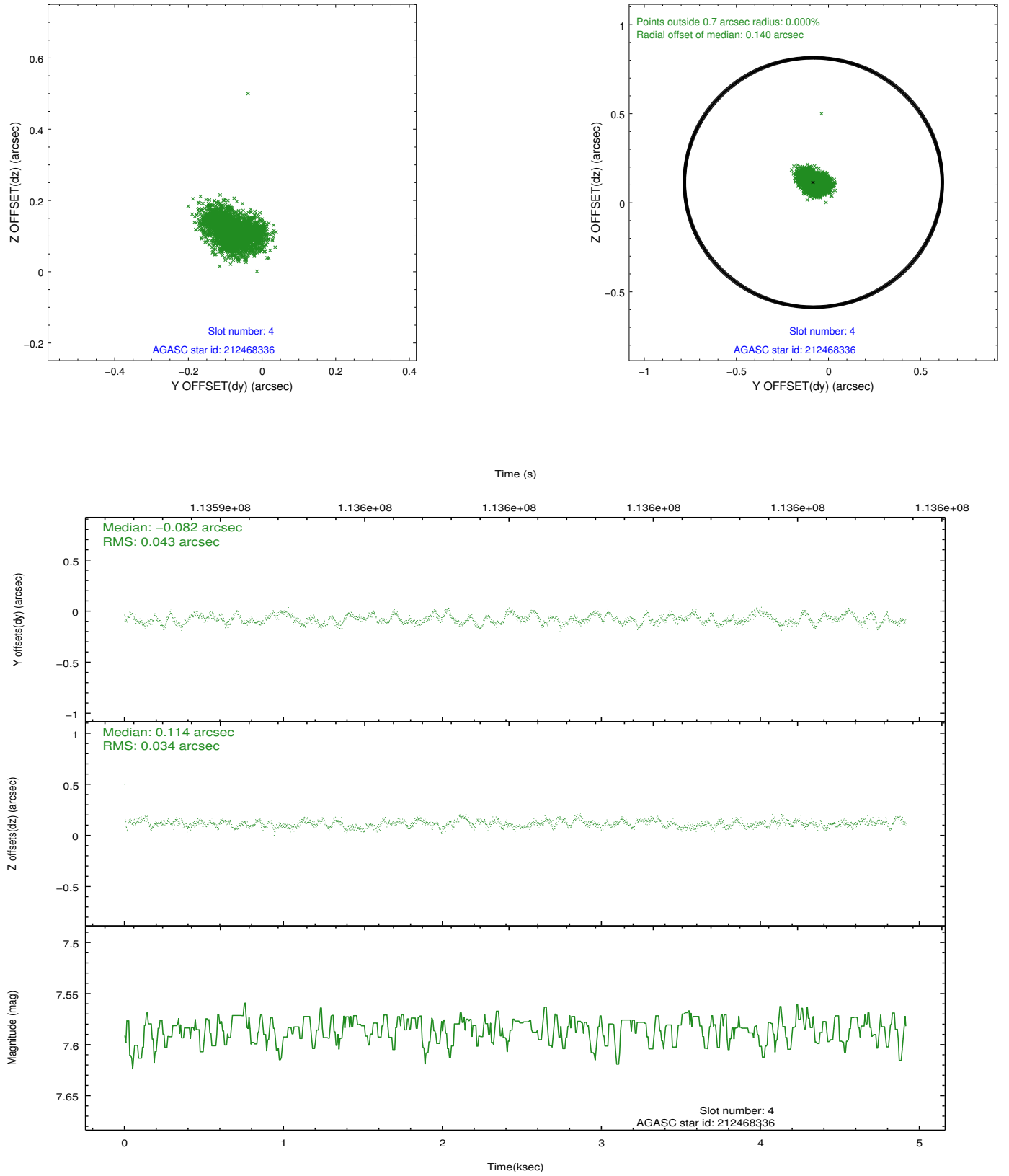
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	1198	-0.020	0.016	0.005	0.008	0.000000	0.000000	57.20	-1856.81
1	FID	ACIS-S-5	7.24	1197	0.005	-0.010	0.005	0.008	0.000000	0.000000	-1808.85	172.93
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	212484824	7.34	2395	0.022	0.086	0.048	0.080	301.436883	17.597881	1651.60	-285.51
4	GUIDE	212468336	7.58	2396	-0.082	0.114	0.058	0.089	301.479163	18.244435	515.40	-2321.85
5	GUIDE	212599608	7.83	2395	-0.085	-0.260	0.079	0.111	302.041368	17.043012	637.80	2410.97
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	212600320	8.67	2395	0.136	0.064	0.061	0.098	302.393008	18.138679	-2142.93	-633.20

2.4 Star Slots

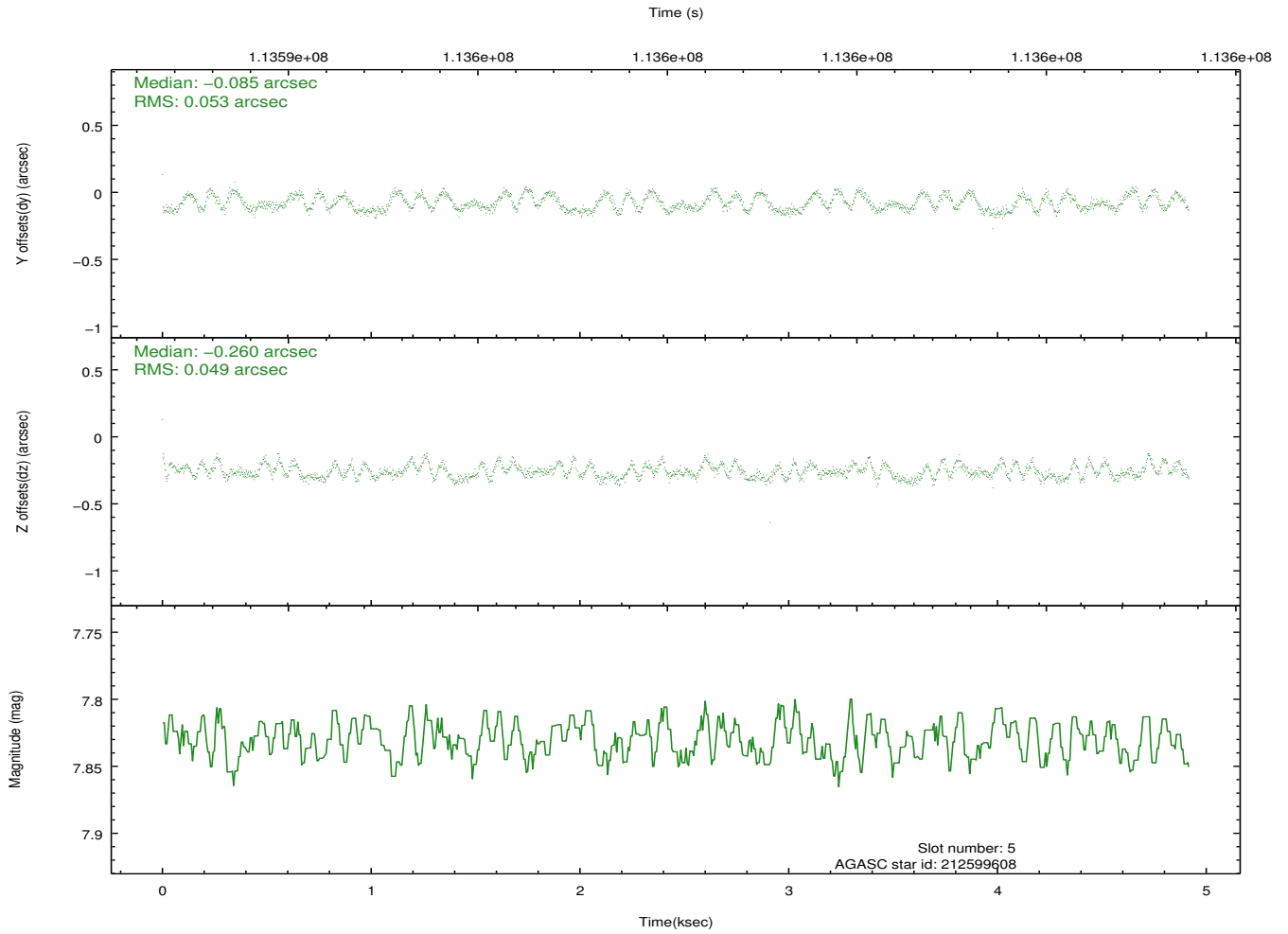
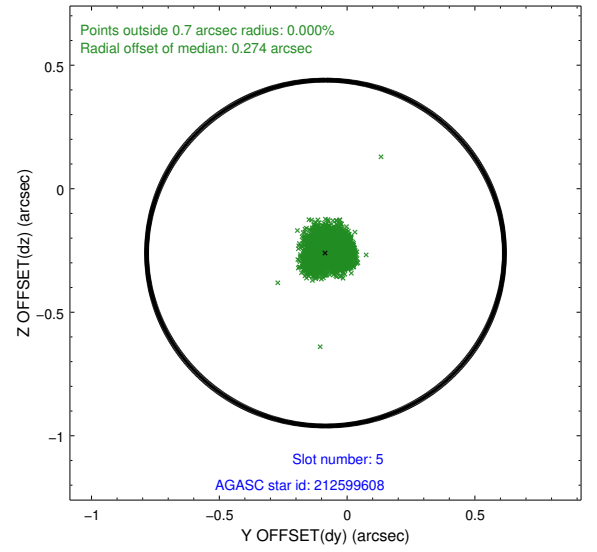
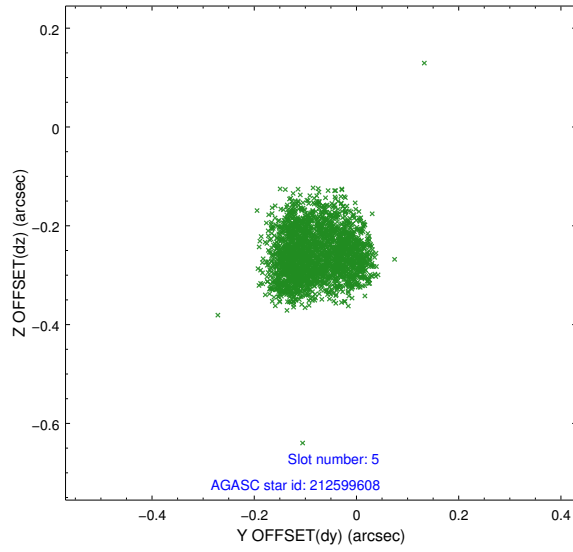
2.4.1 Slot 3



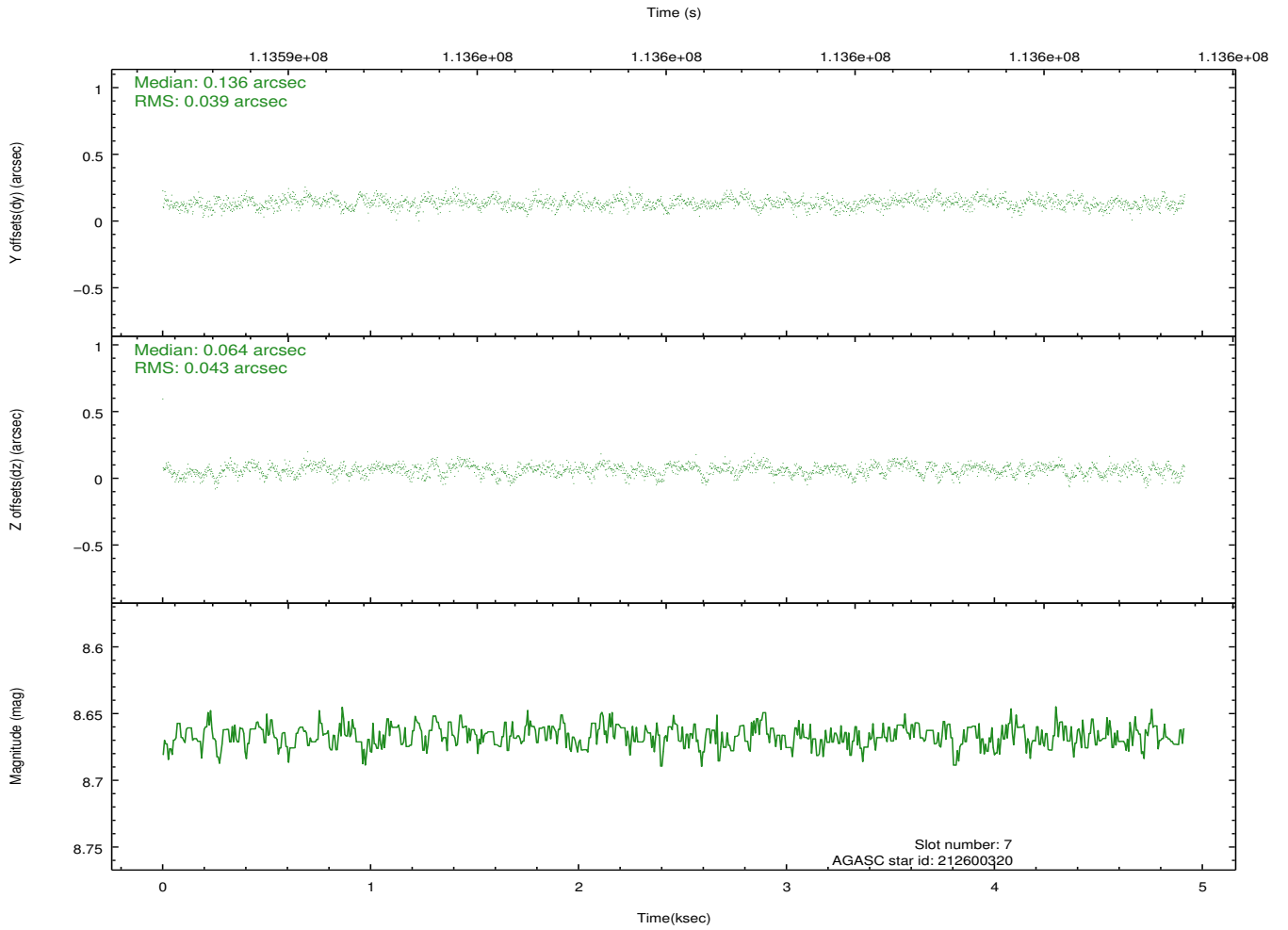
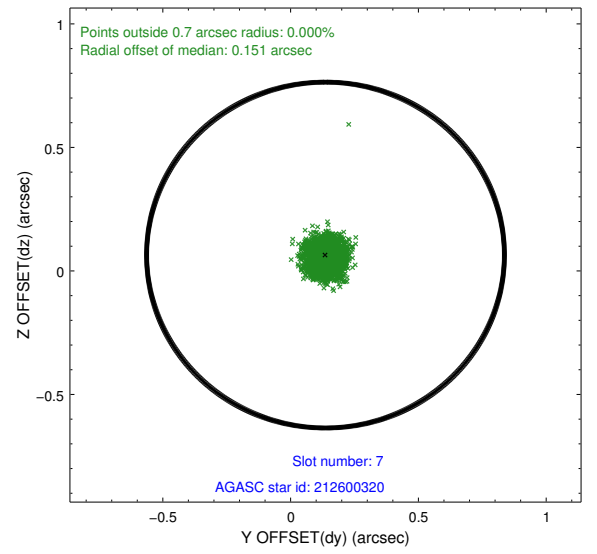
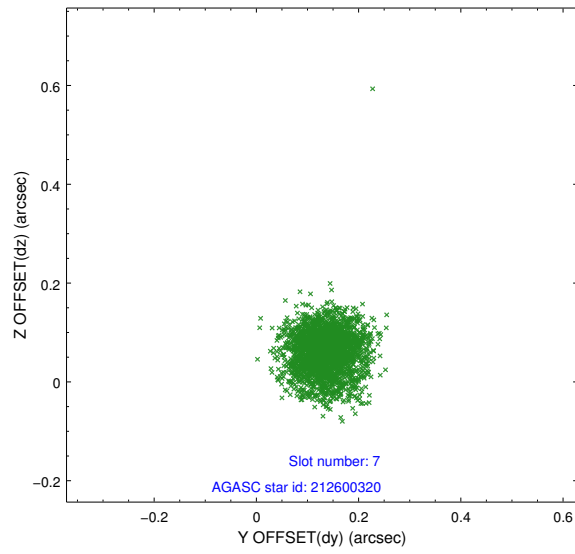
2.4.2 Slot 4



2.4.3 Slot 5

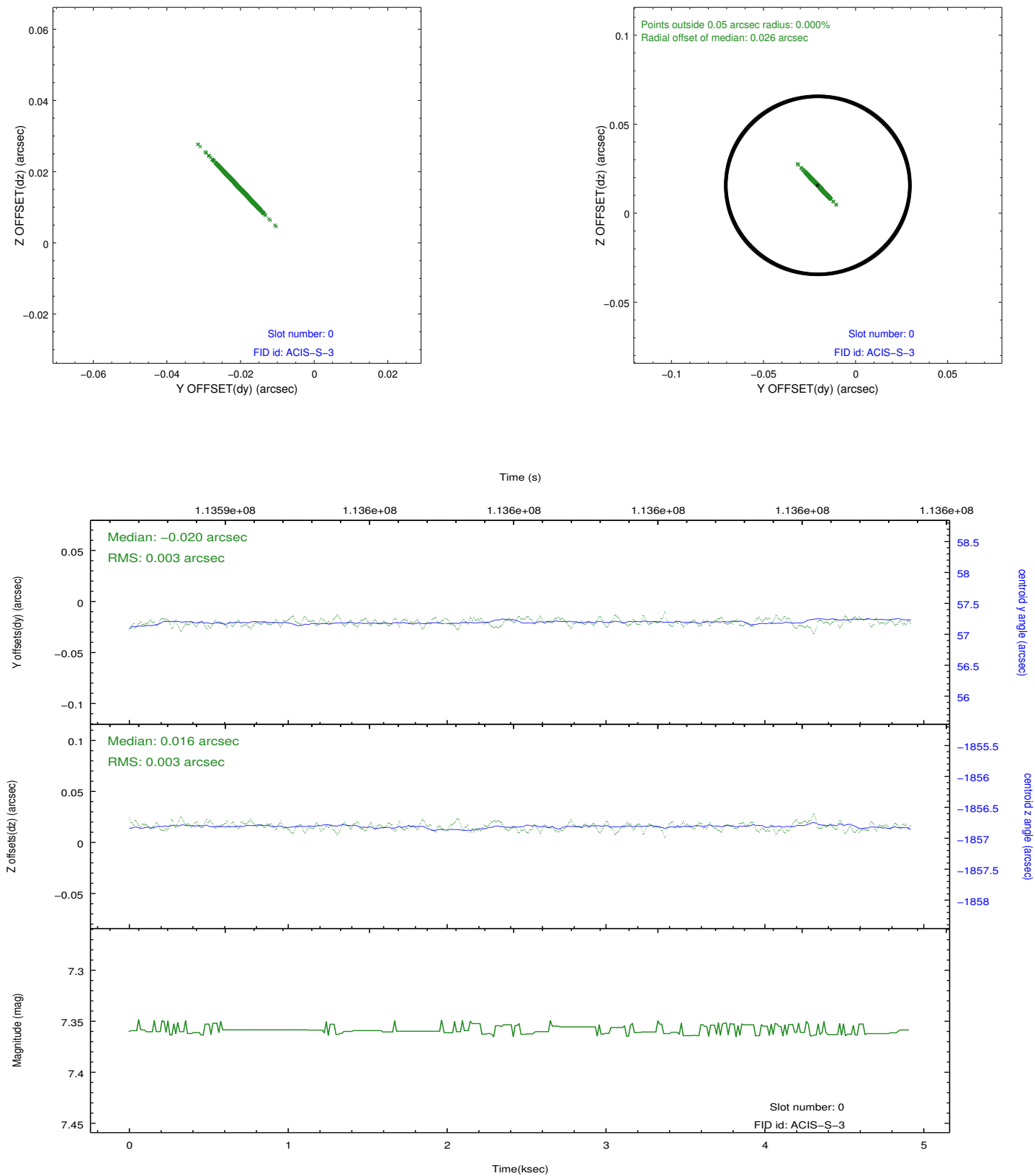


2.4.4 Slot 7

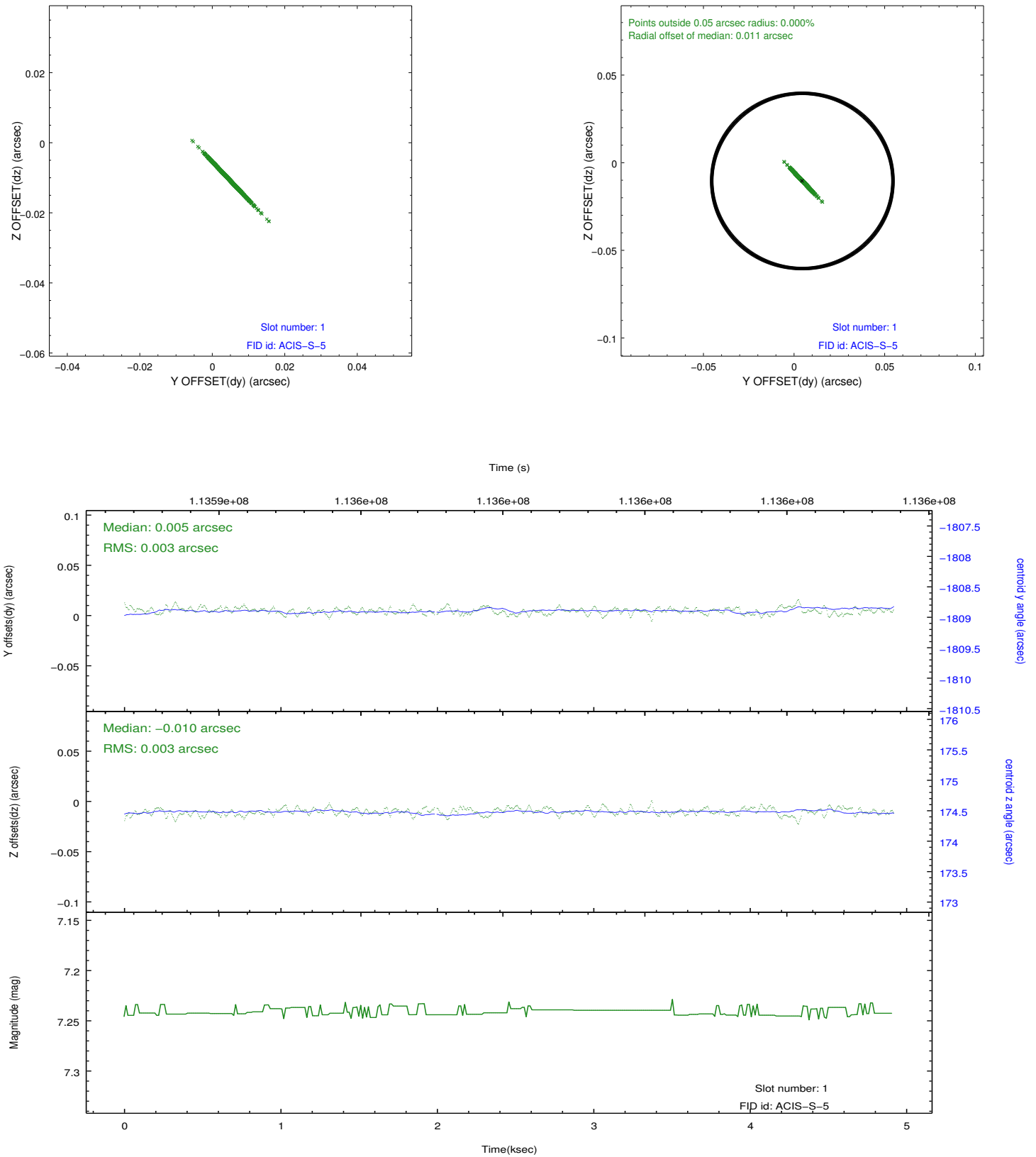


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.91

A.2 Comments

The guide star in slot 6 and the fid light in slot 2 were removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of both the guide star and the fid light from the solution.