

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9637 - L2 Version 5
Chandra X-Ray Center

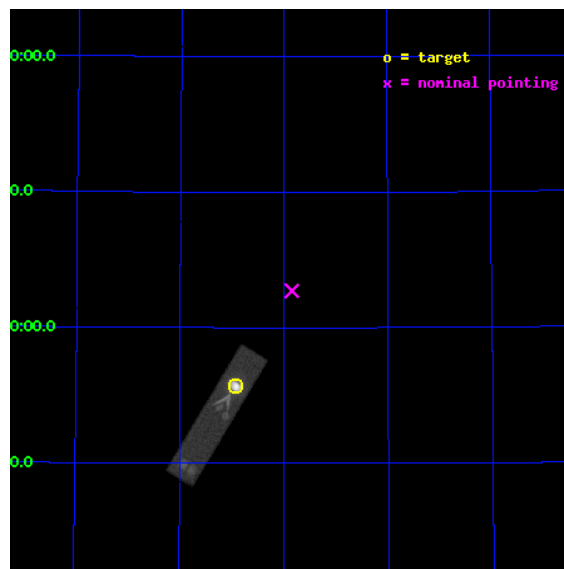
L2 Processing Date : Aug 12 2012

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1 Front

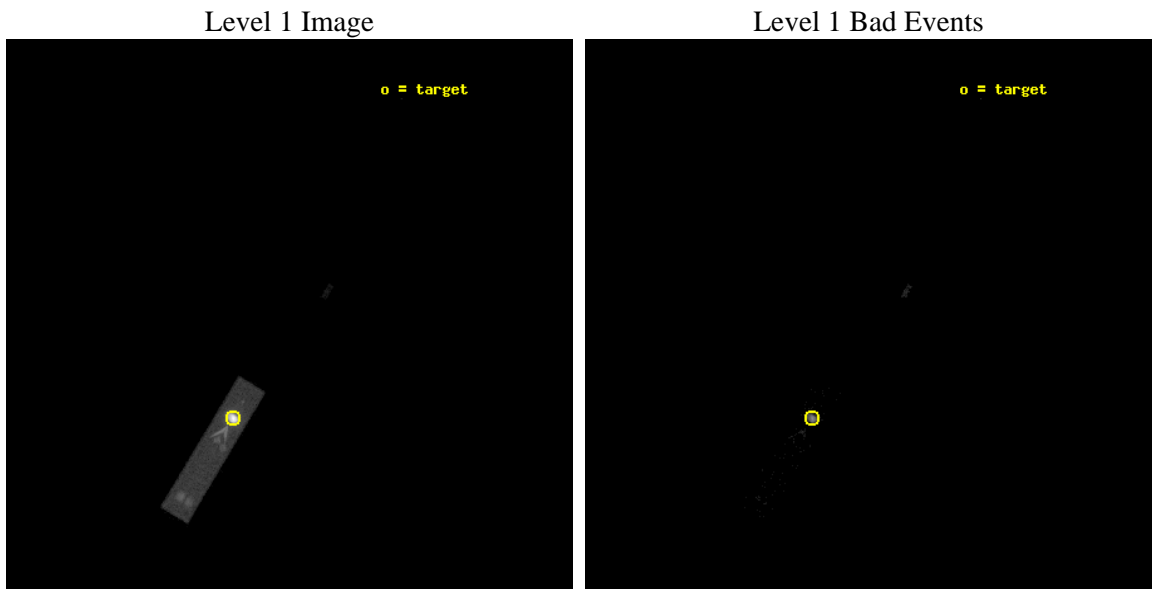
seq_num	290760	Sequence number
obs_id	9637	Observation id
title	AO9 Measurements of the optical/UV Transmission of the HRC Filters.	
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.9626240873	Nominal RA [deg]
dec_nom	39.137048797772	Nominal Dec [deg]
roll_nom	301.05833382781	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2180.4313574433	[s]
livetime	843.85247238126	Ontime multiplied by DTCOR
l2events	385854	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2180.4313574433	[s]
caldbver	4.5.1.1	 	l1events	436375	Number of level 1 events
date	2012-08-12T23:30:52	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

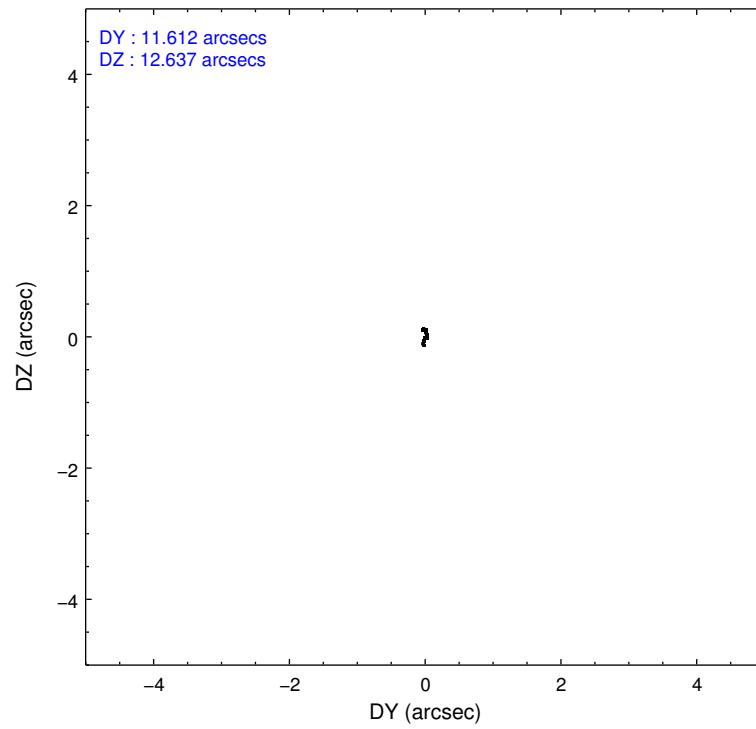
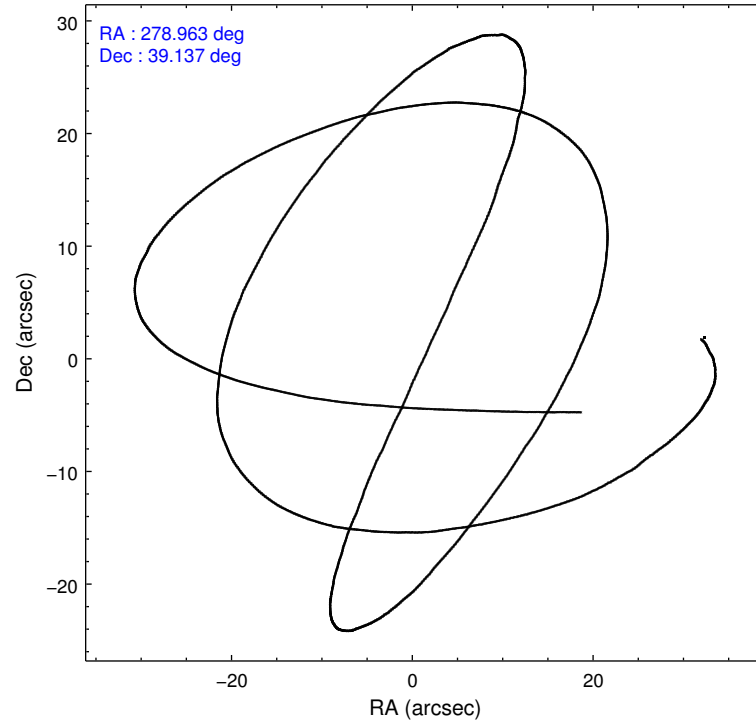
	segment 1	segment 2	segment 3
level 1 events	10	195	436170
rejected events	10	179	34138
rejected %	100%	91%	7%

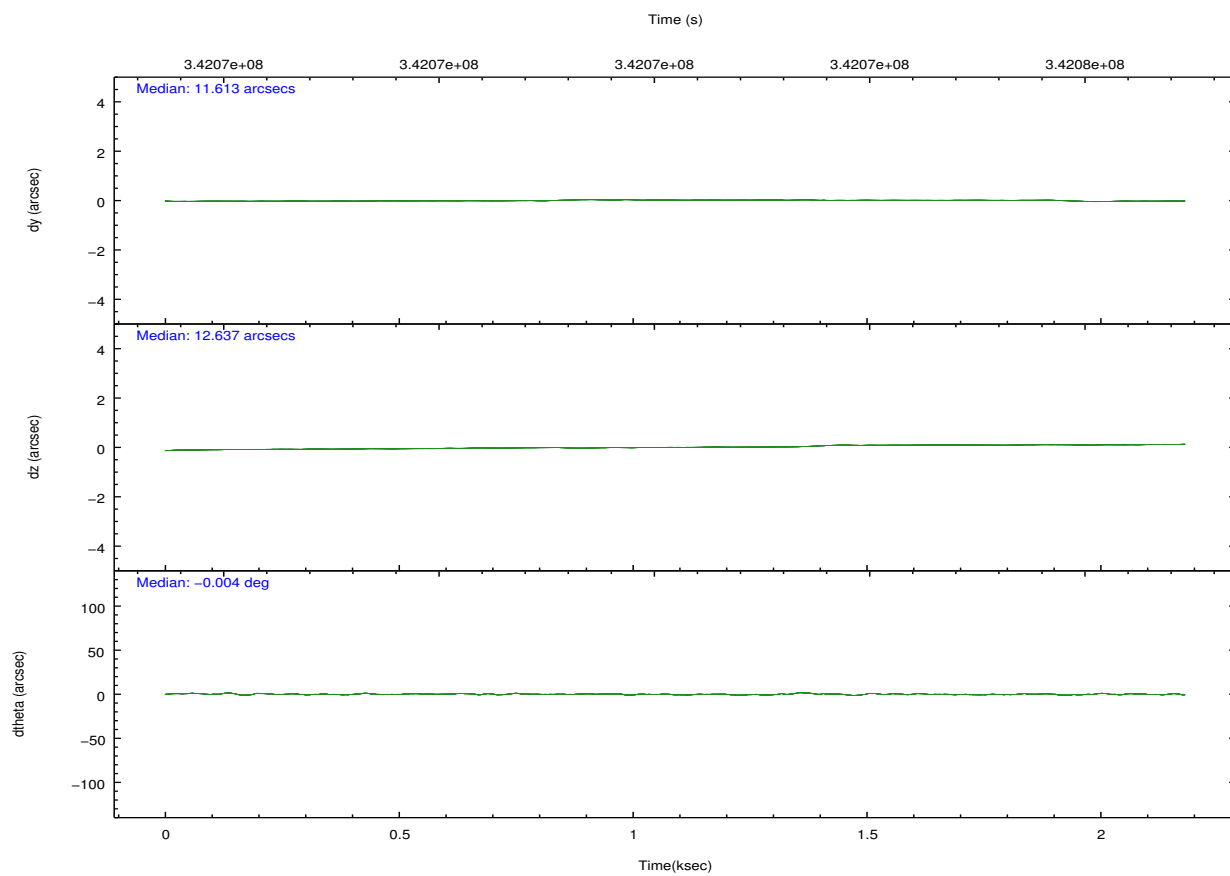
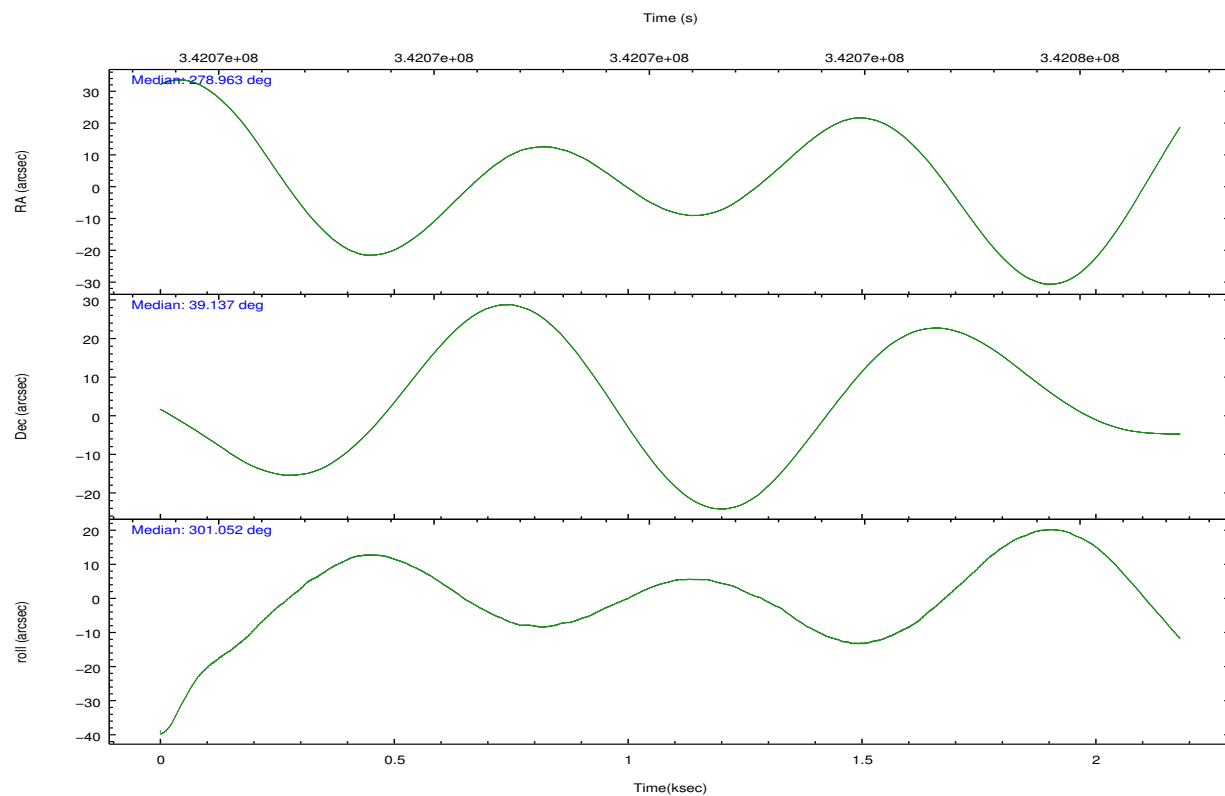
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	278.9626240872958	278.9626240872958
[deg] Pointing Dec	39.13704879777163	39.13704879777163
[deg] Pointing Roll	301.0583338278058	301.0583338278058
[s] Window start time (MET)	336614465.184000	336614465.184000
[s] Window stop time (MET)	344390465.184000	344390465.184000
[mm] SIM focus pos	-1.5263399358	-1.5263399358
[mm] SIM defocus	0.006996627355743357	0.006996627355743357
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	342072795.109158	342072795.109158
Observation start date	2008-11-03T04:17:55	2008-11-03T04:13:15
[s] Observation end time (MET)	342076034.621818	342076034.621818
Observation end date	2008-11-03T04:51:15	2008-11-03T05:07:14

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE

2.3 Aspect



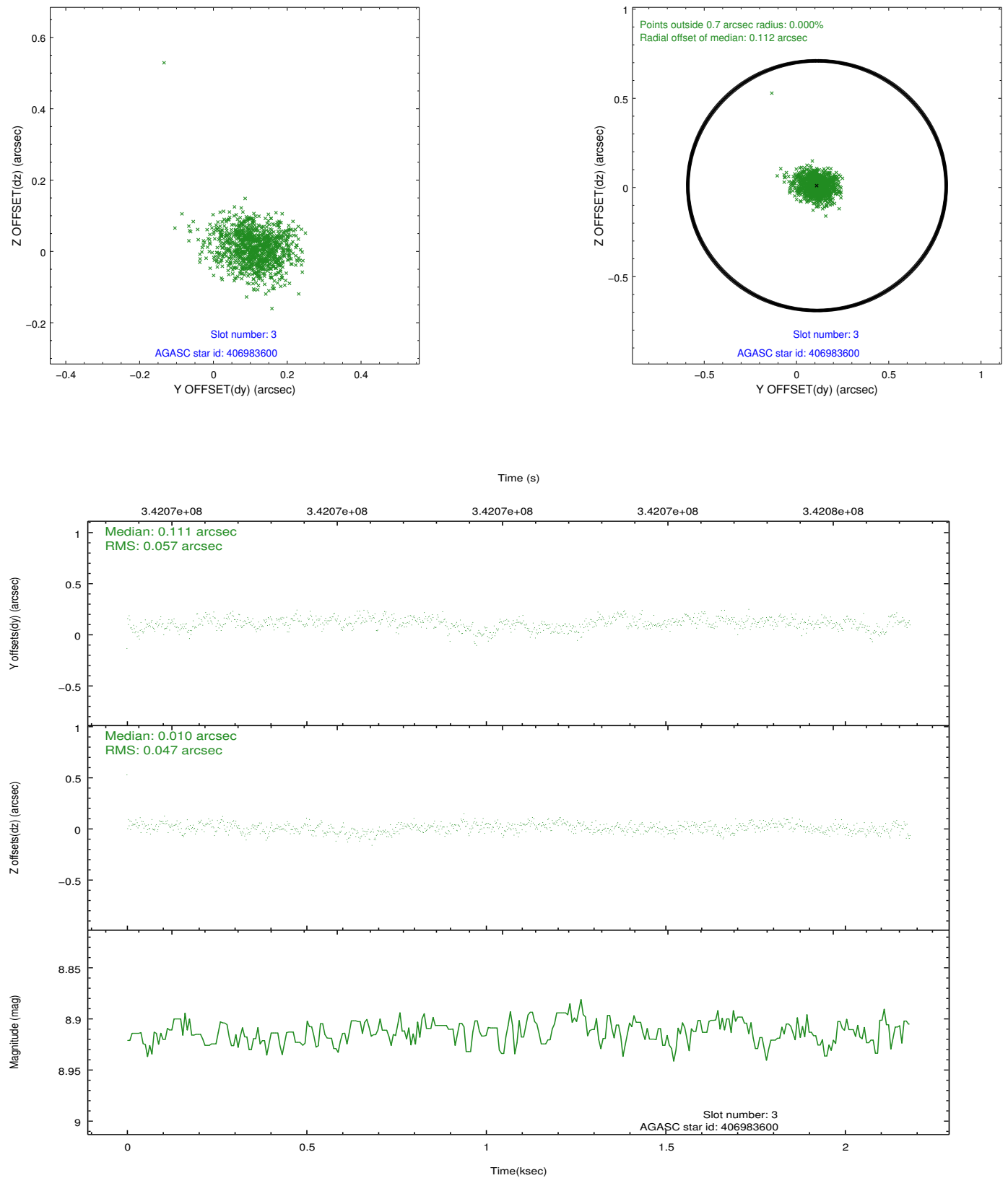


Slot Statistics

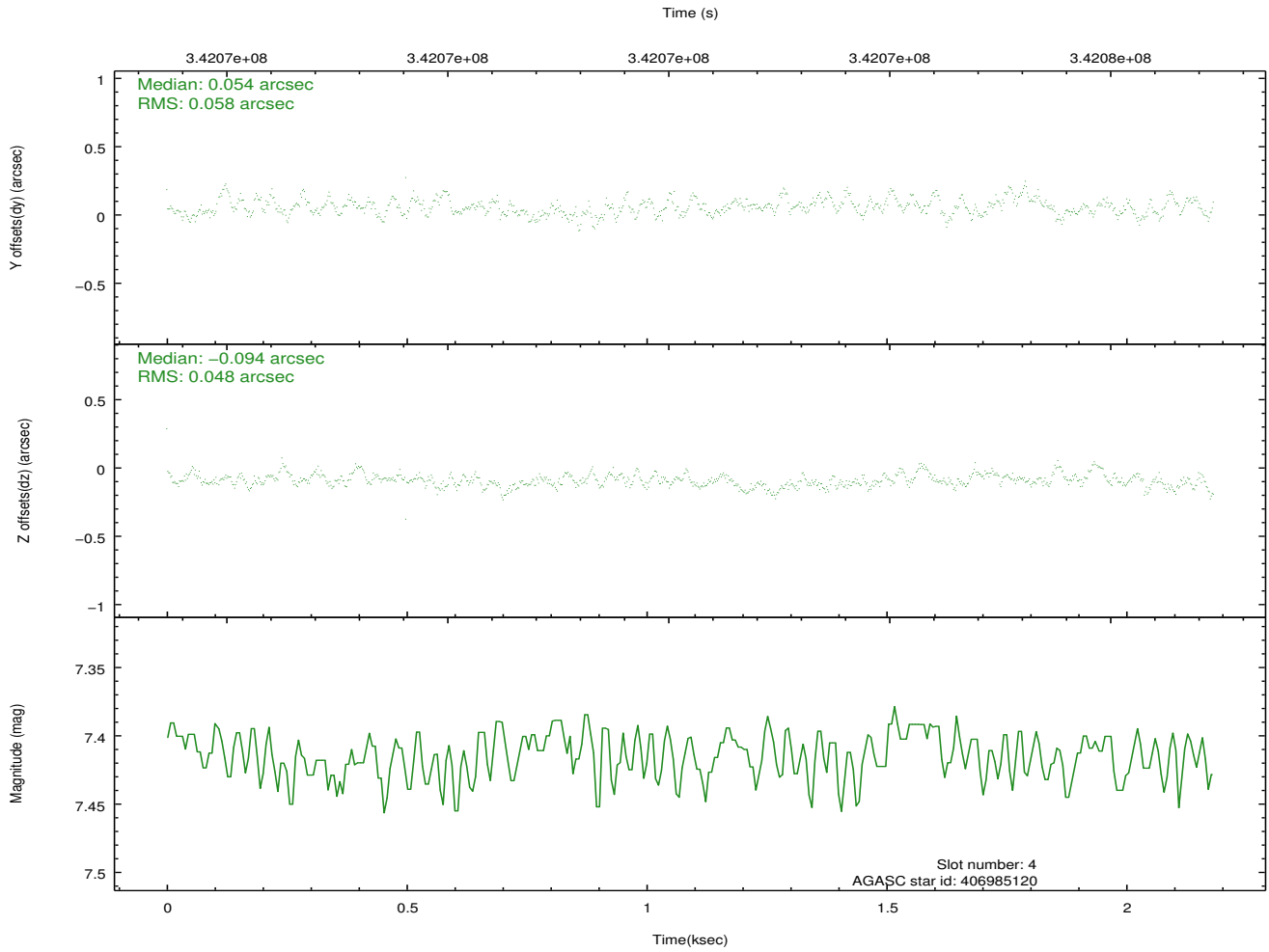
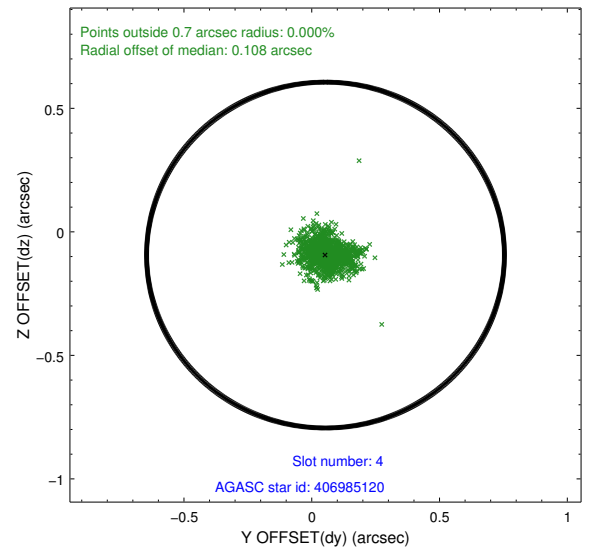
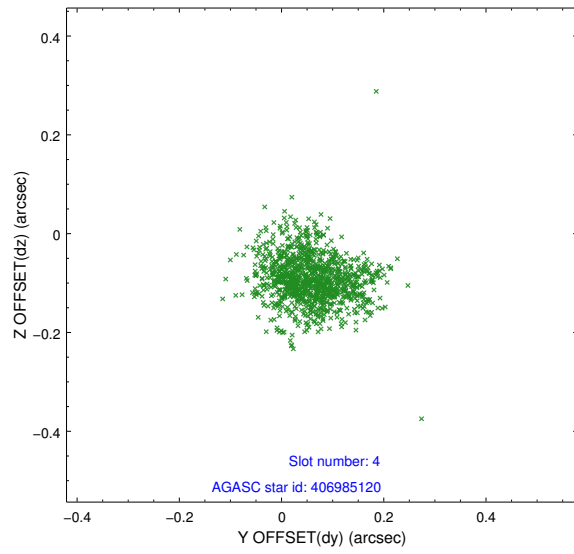
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.05	532	0.069	-0.128	0.007	0.012	0.000000	0.000000	-1165.92	-461.41
1	FID	HRC-S-2	7.04	532	0.242	-0.122	0.005	0.009	0.000000	0.000000	1231.72	-454.87
2	FID	HRC-S-3	7.05	532	0.079	-0.052	0.007	0.013	0.000000	0.000000	-1166.33	567.33
3	GUIDE	406983600	8.91	1063	0.111	0.010	0.076	0.125	279.940957	39.020708	1843.43	2194.36
4	GUIDE	406985120	7.41	1063	0.054	-0.094	0.078	0.130	278.839732	38.894839	659.02	-685.77
5	GUIDE	406987272	6.96	1065	-0.116	0.068	0.080	0.129	278.536588	38.437504	1625.33	-2269.35
6	GUIDE	406989616	8.25	1065	0.050	0.096	0.070	0.113	279.202881	38.520843	2338.14	-507.24
7	GUIDE	407510432	8.12	1063	-0.112	-0.078	0.082	0.128	278.762778	39.530640	-1411.66	309.70

2.4 Star Slots

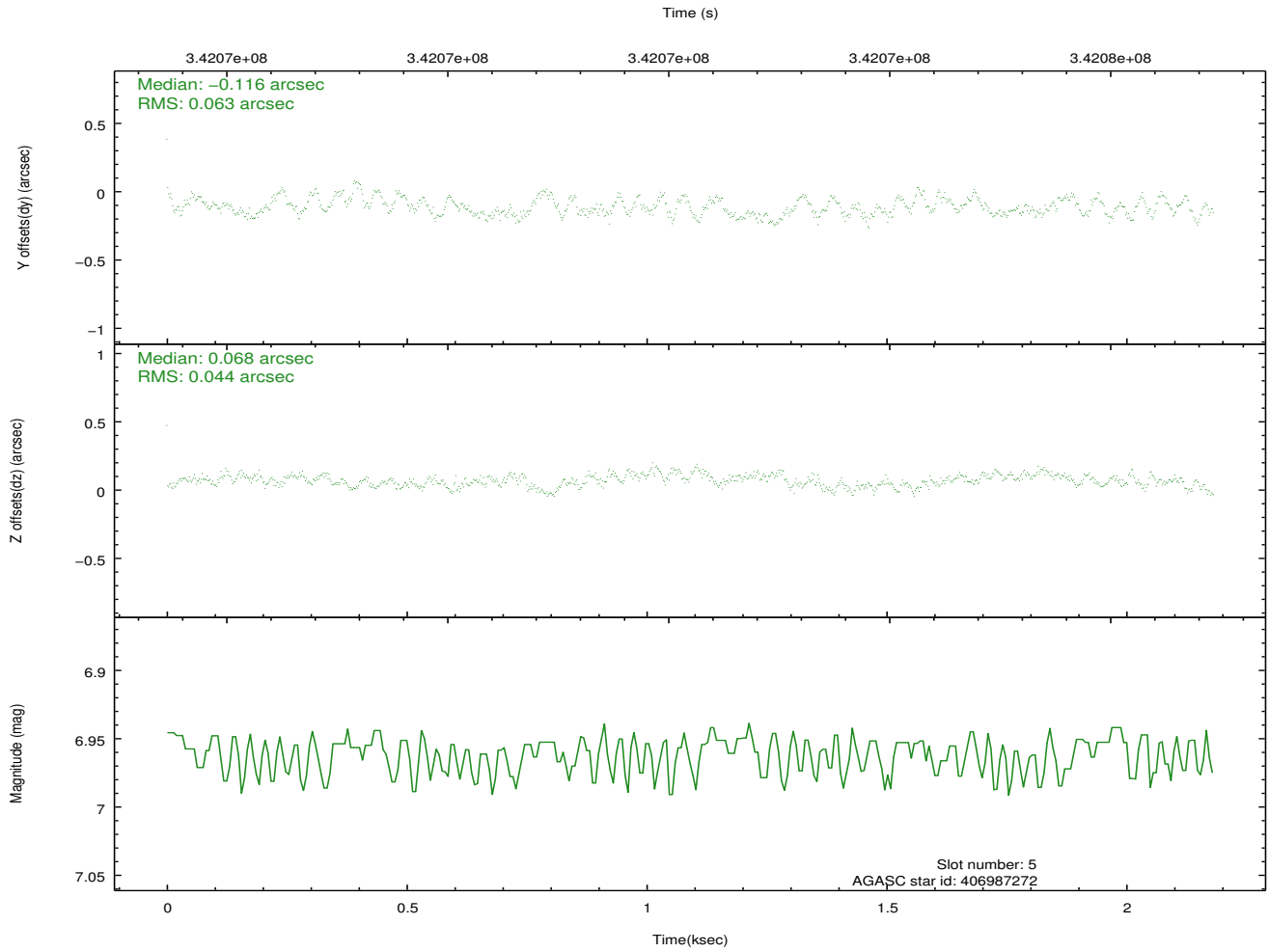
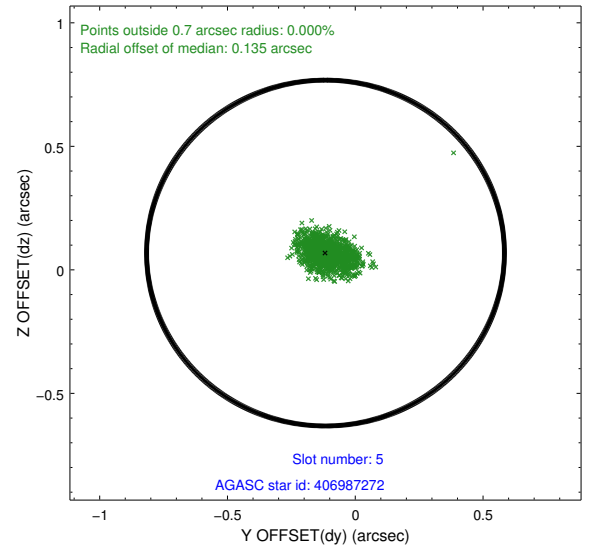
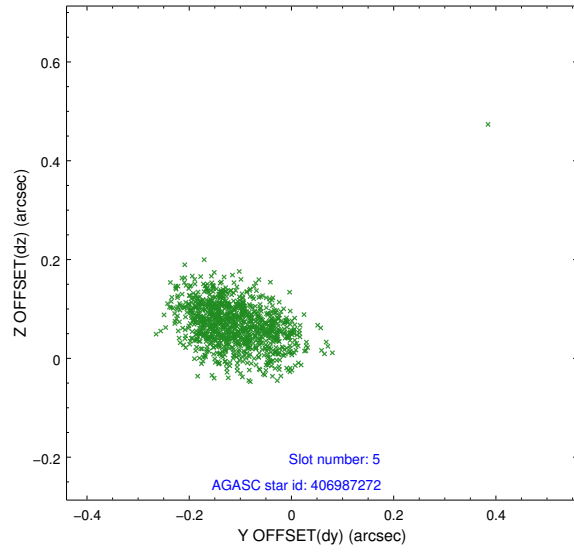
2.4.1 Slot 3



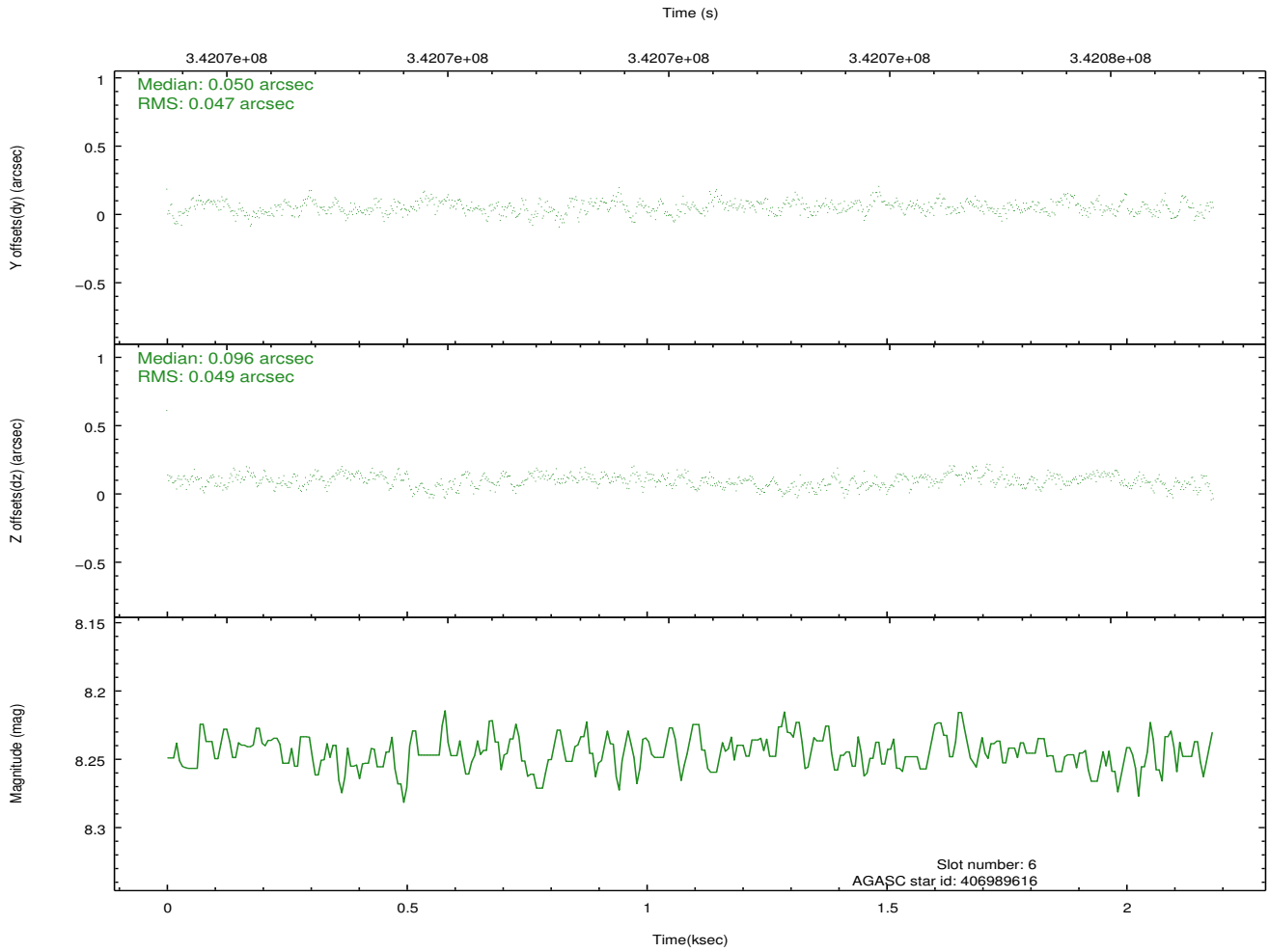
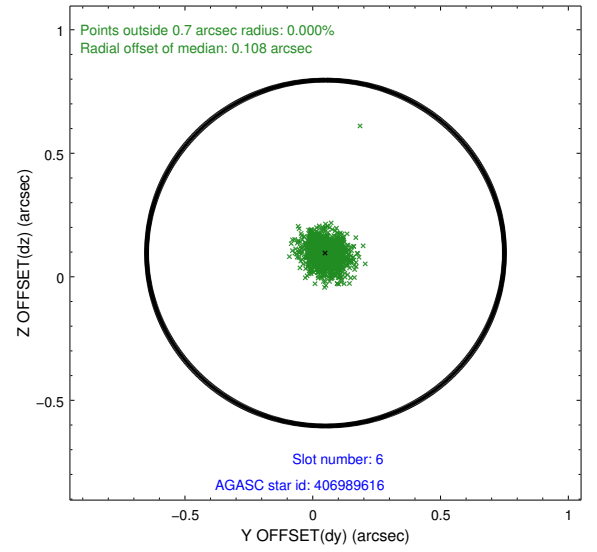
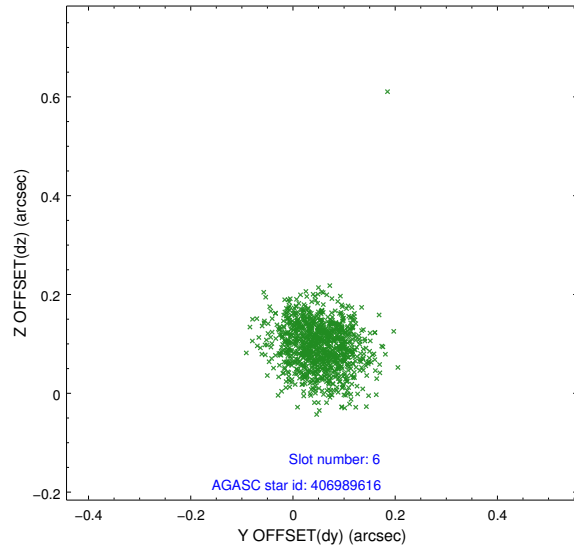
2.4.2 Slot 4



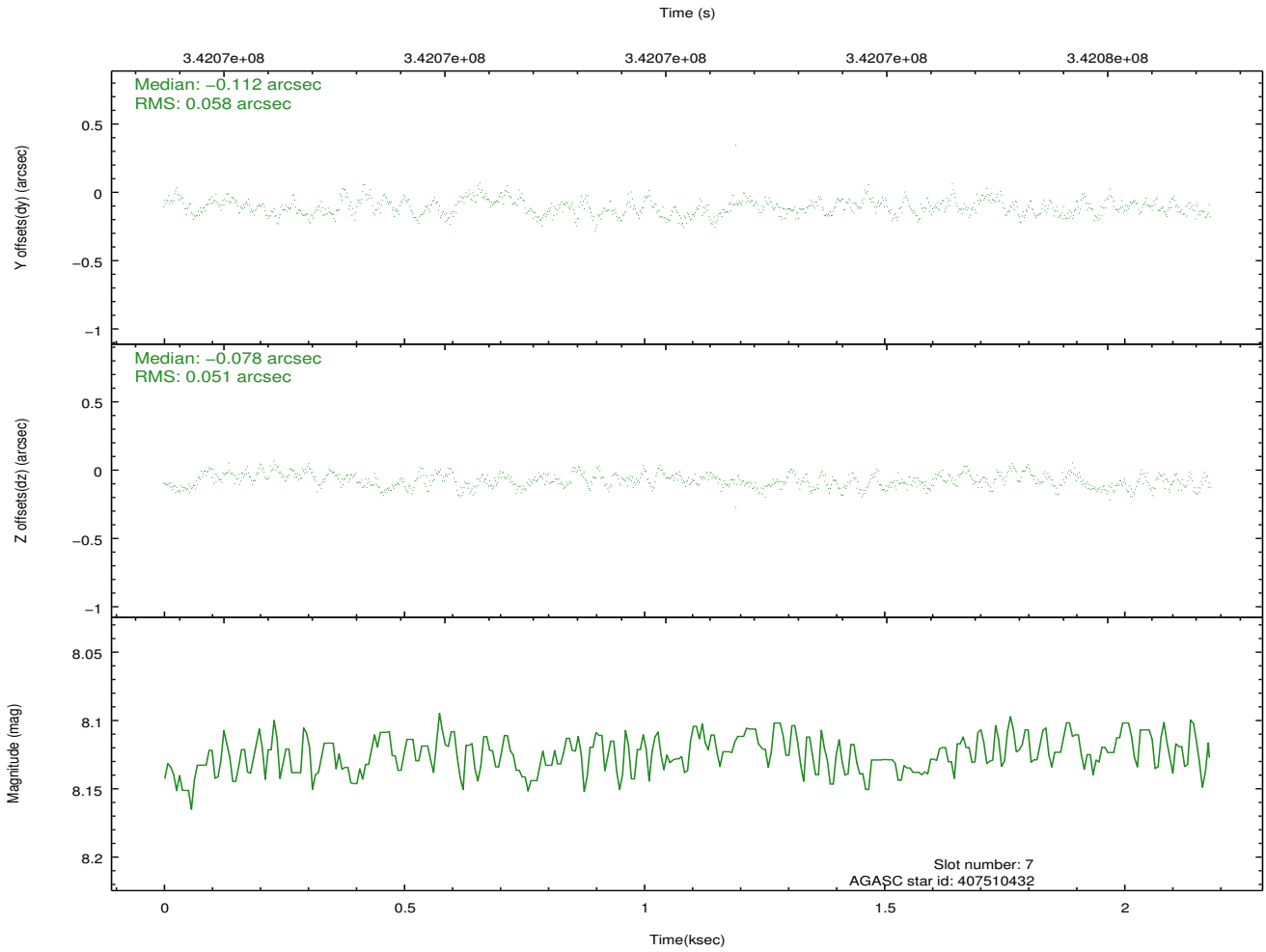
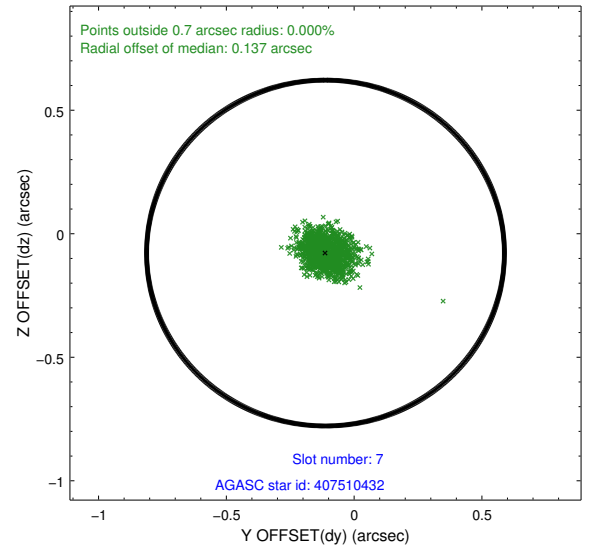
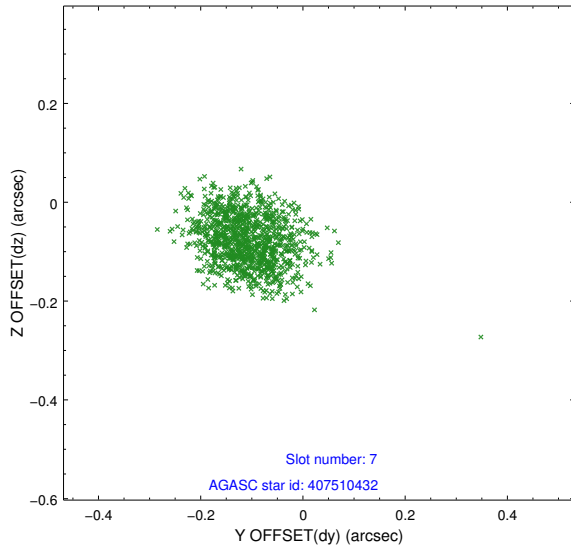
2.4.3 Slot 5



2.4.4 Slot 6

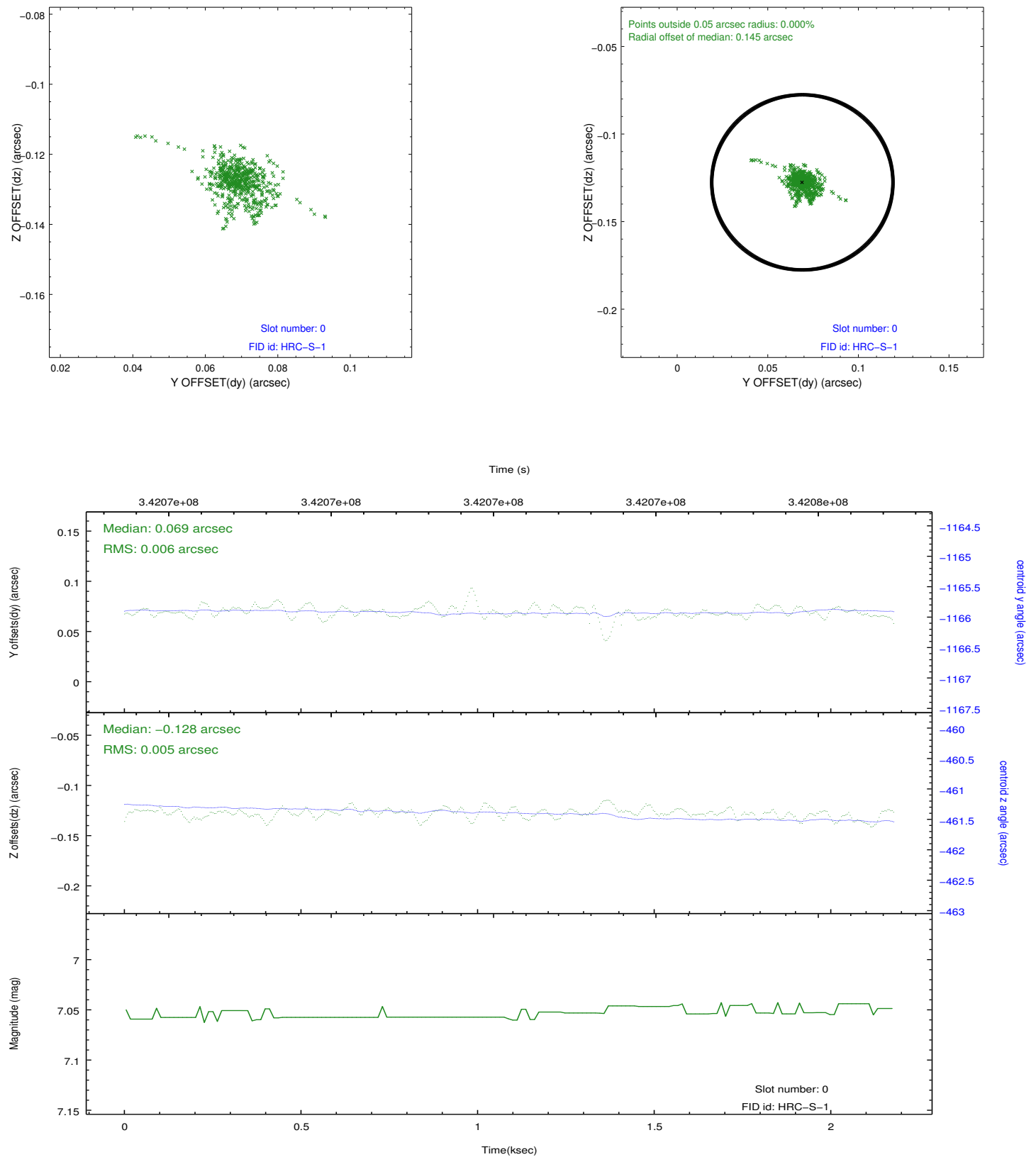


2.4.5 Slot 7

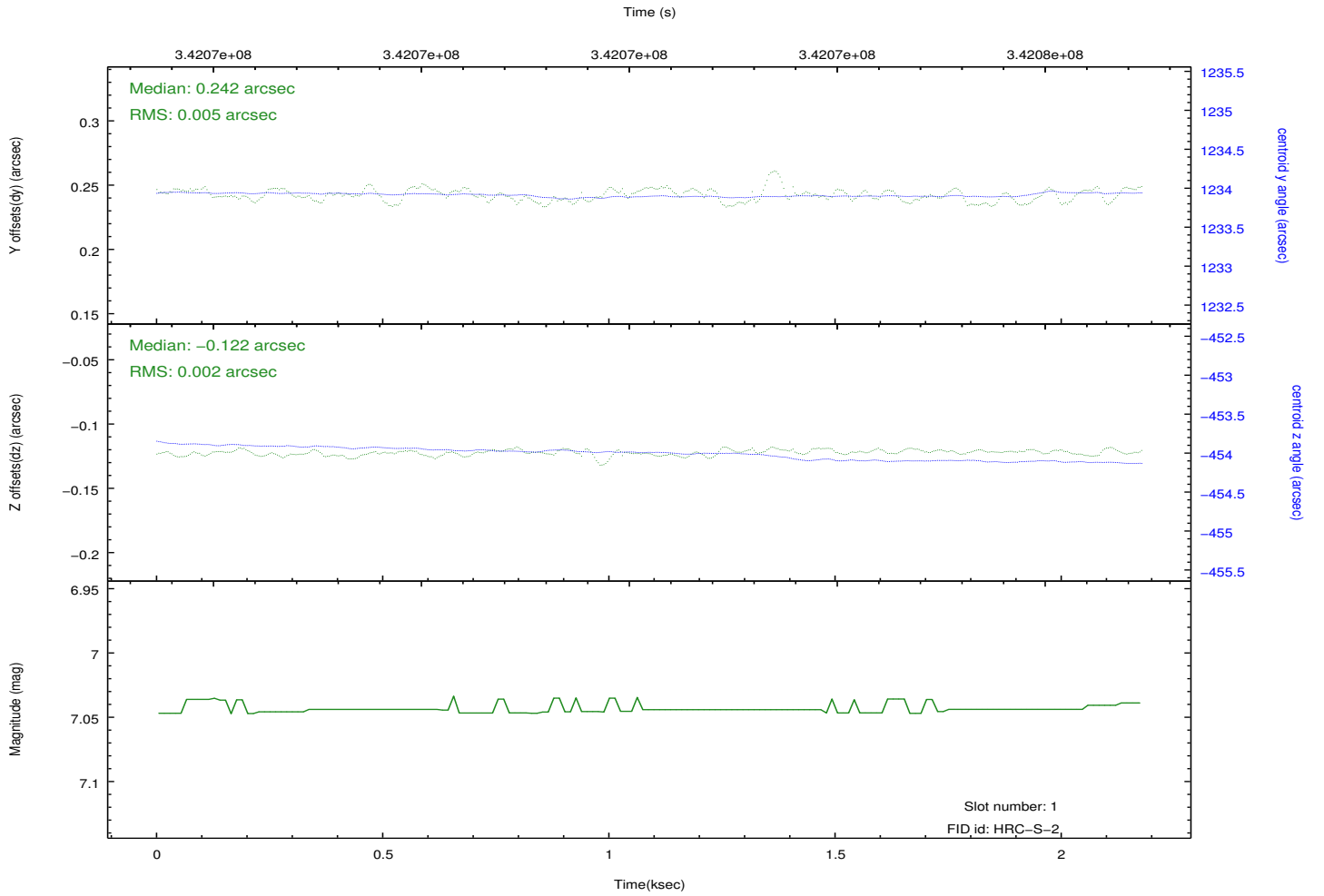
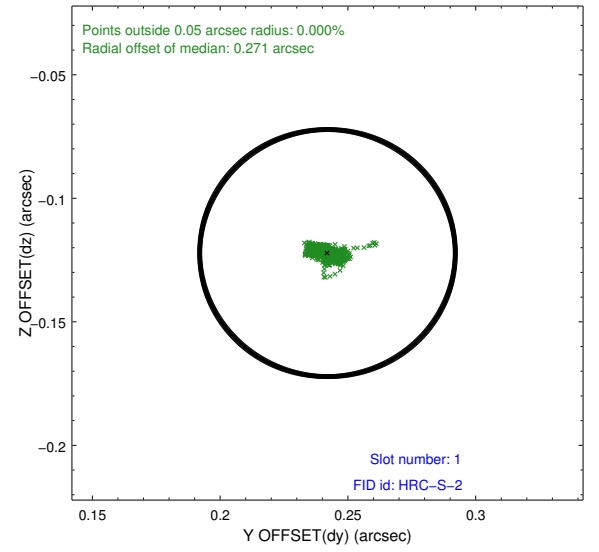
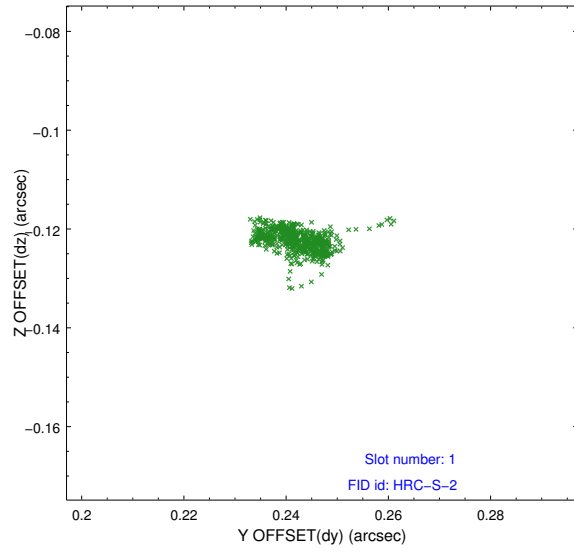


2.5 FID Slots

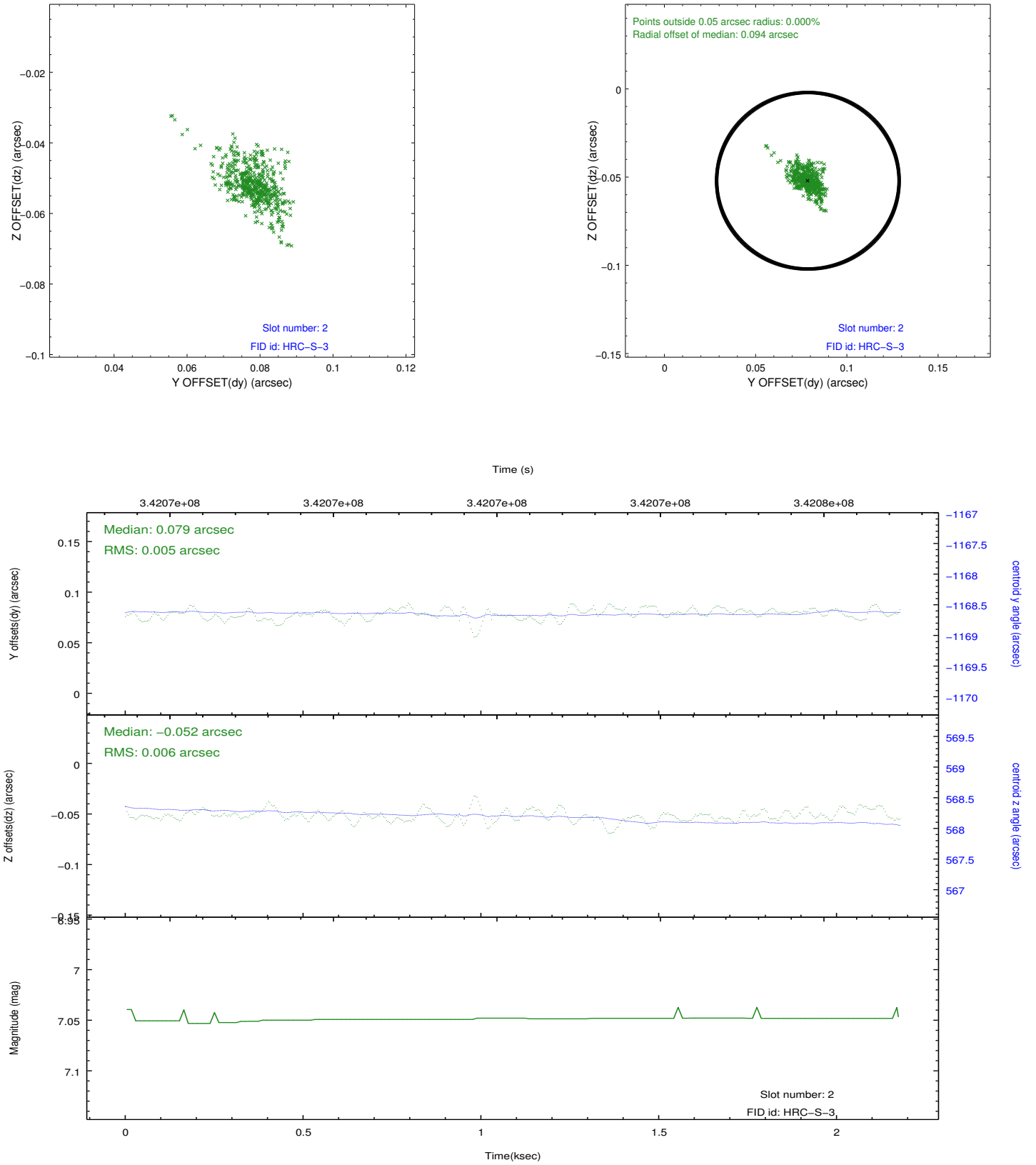
2.5.1 Slot 0



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)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18043135

A.2 Comments

Target is off-axis and on segment 3 of HRC-S. Window constraint met. In rare calibration observations, the observational data intentionally continues to the next obsid, but in the NEXT-IN-LINE mode, as opposed to the OBSERVING mode. To recover all the data, manual intervention is required by overriding observation parameters.