

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 988 - L2 Version 5
Chandra X-Ray Center

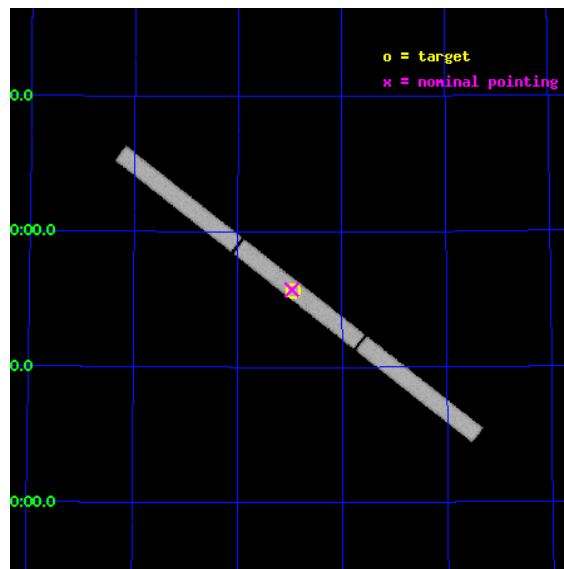
L2 Processing Date : Sep 7 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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

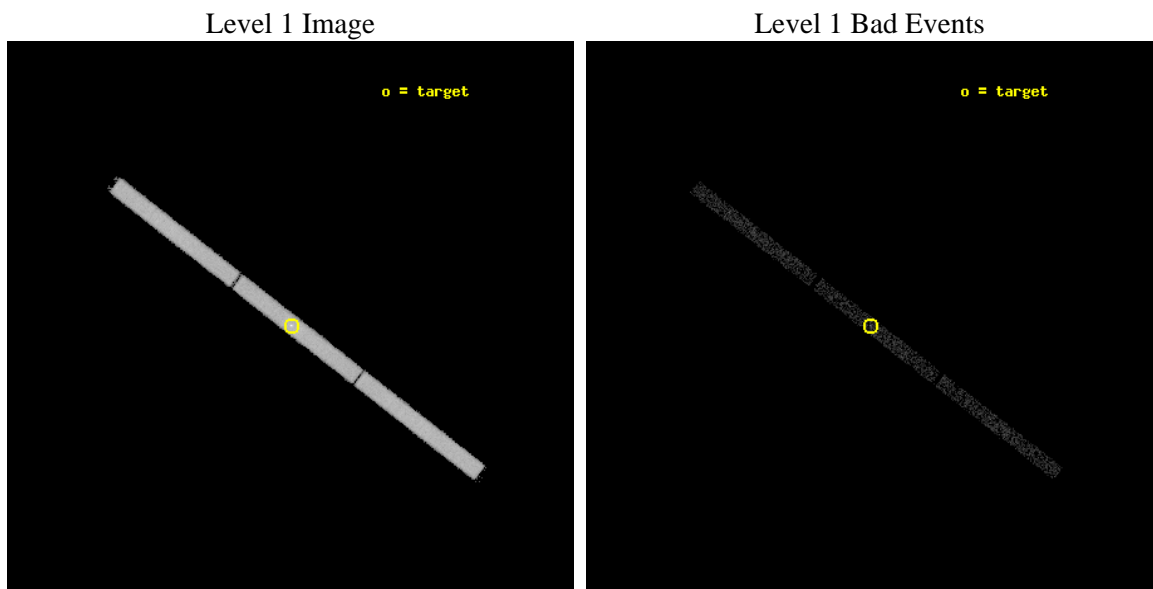
seq_num	290069	Sequence number
obs_id	988	Observation id
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	VEGA, HRC-S, AO2	Source name
ra_targ	279.234792	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.24023028545	Nominal RA [deg]
dec_nom	38.786349223171	Nominal Dec [deg]
roll_nom	37.885731730084	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2353.6563406438	[s]
livetime	2340.8462385621	Ontime multiplied by DTCOR
l2events	102019	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	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2353.6563406438	[s]
caldsver	4.5.1.1	 	l1events	153608	Number of level 1 events
date	2012-09-07T05:14:48	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

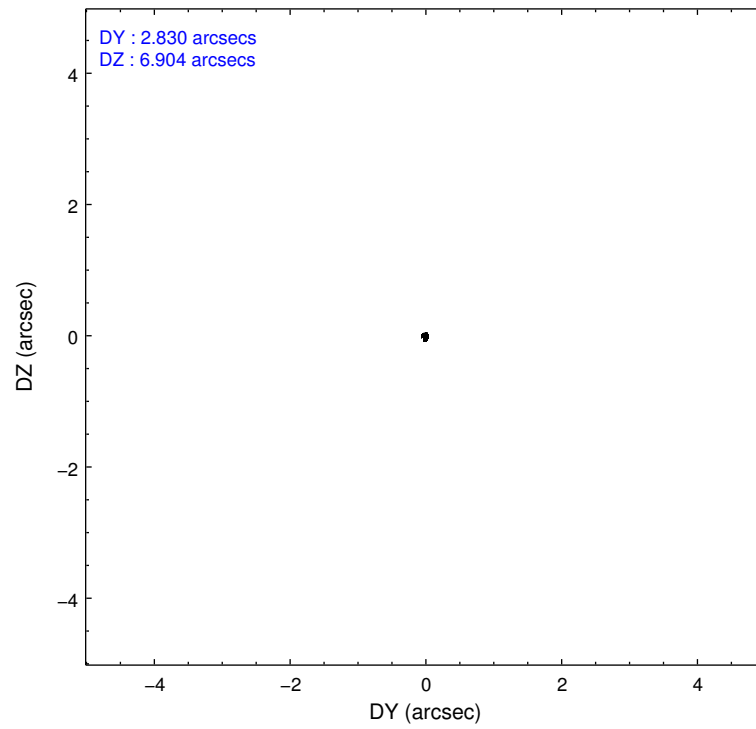
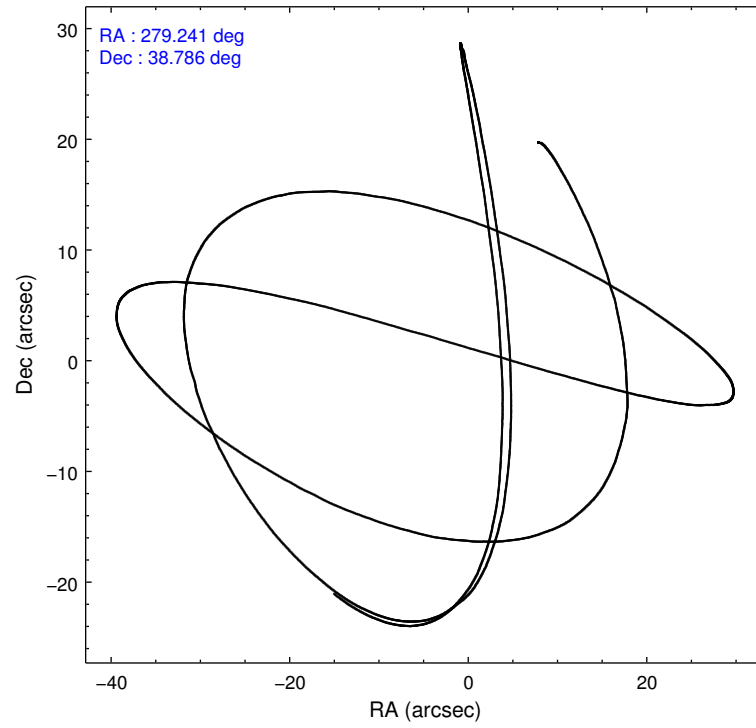
	segment 1	segment 2	segment 3
level 1 events	51587	51094	50927
rejected events	3439	4840	3558
rejected %	6%	9%	6%

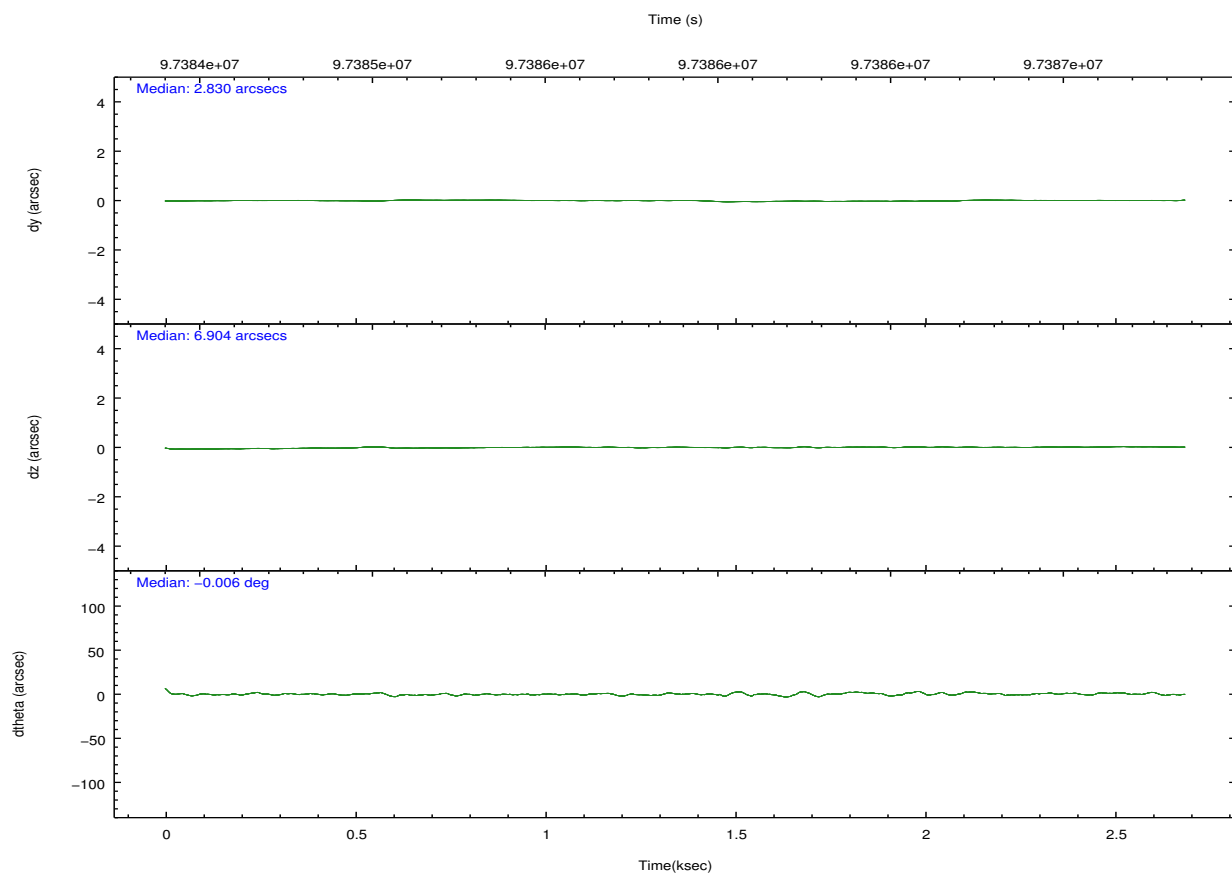
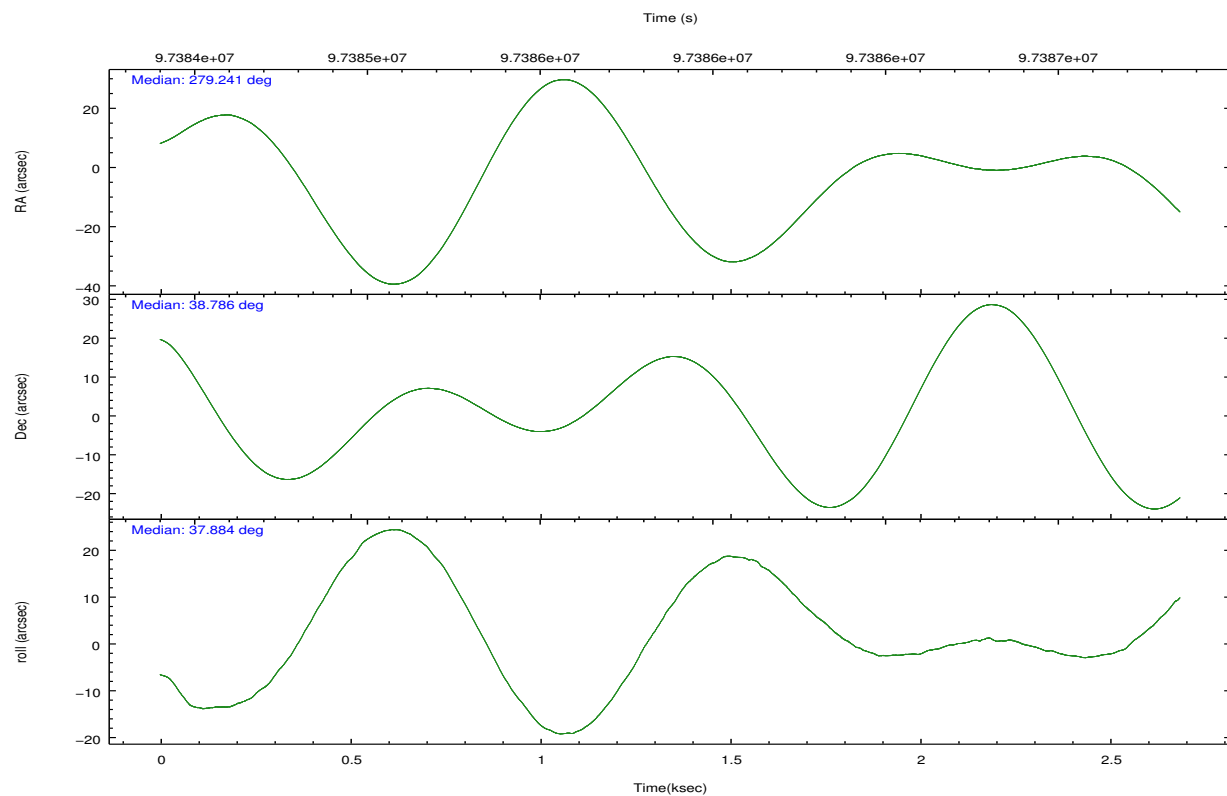
2.2 Compared Parameters

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	279.227524	279.2402302854525
[deg] Pointing Dec	38.759541	38.78634922317072
[deg] Pointing Roll	37.826366	37.88573173008427
[s] Window start time (MET)	97372864.184000	97372864.184000
[s] Window stop time (MET)	99705664.184000	99705664.184000
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	97384719.184000	97384347.279596
Observation start date	2001-02-01T03:17:35	2001-02-01T03:12:27
[s] Observation end time (MET)	97387219.184000	97387353.09221201
Observation end date	2001-02-01T03:59:15	2001-02-01T04:02:33

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



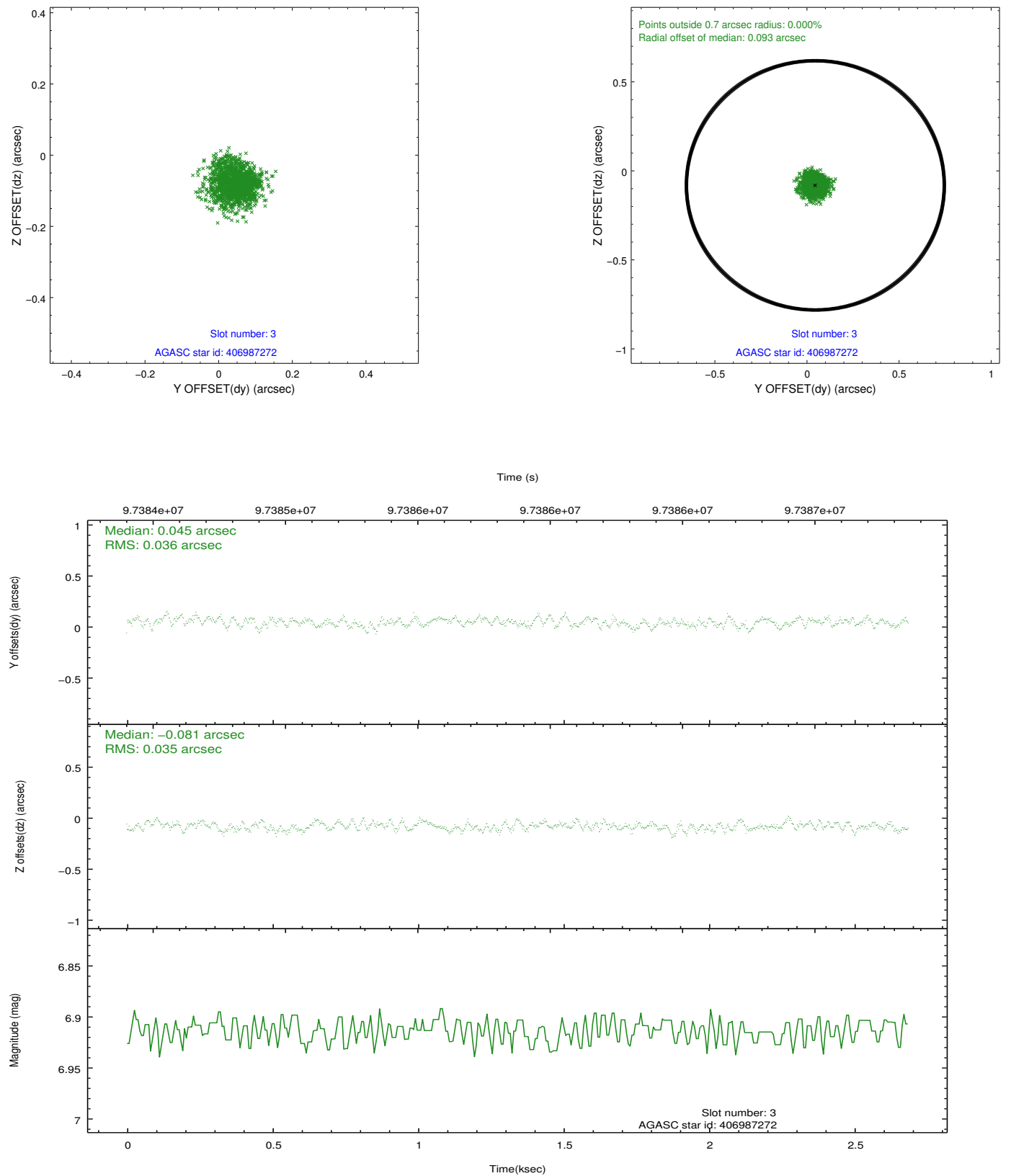


Slot Statistics

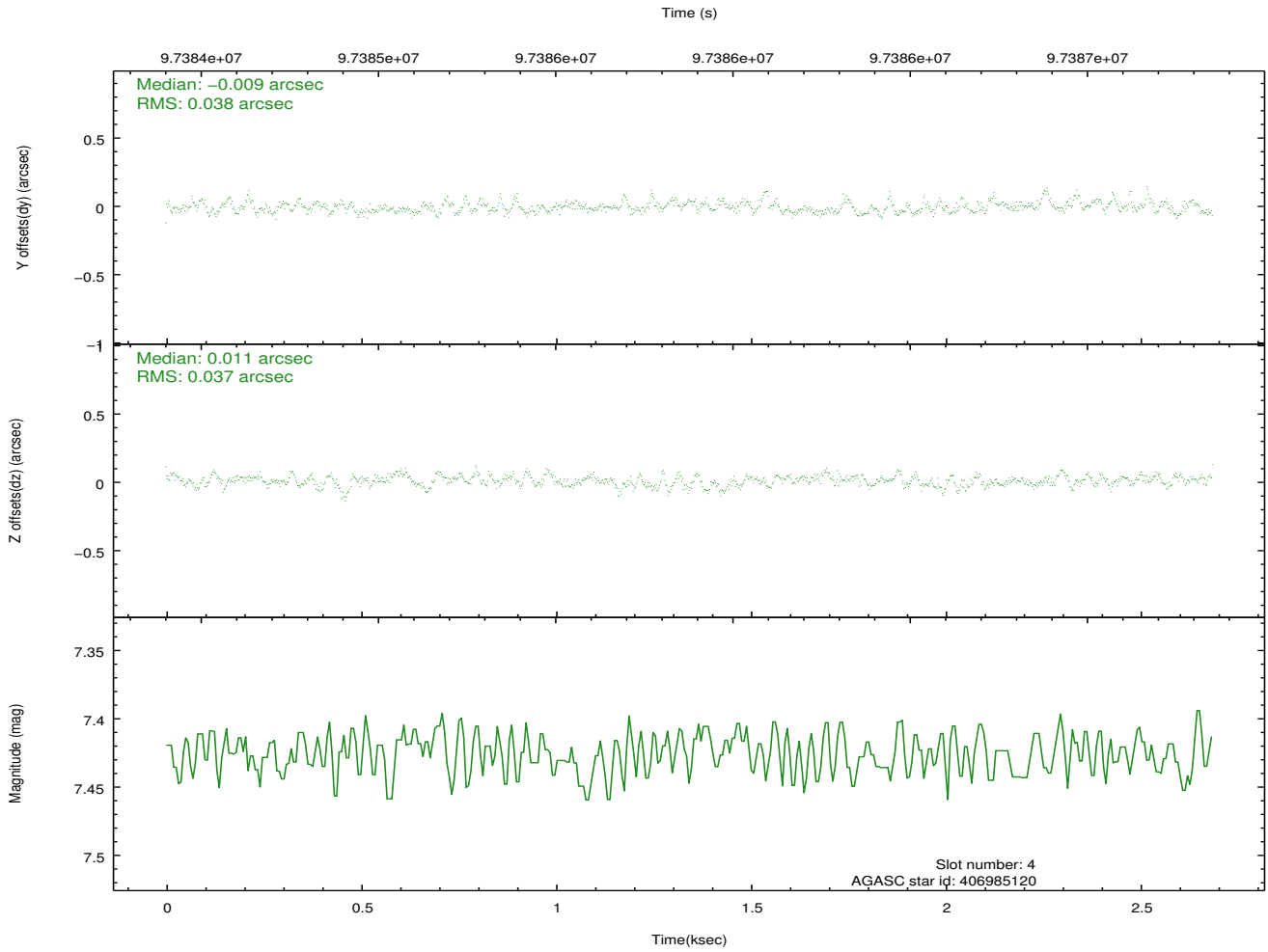
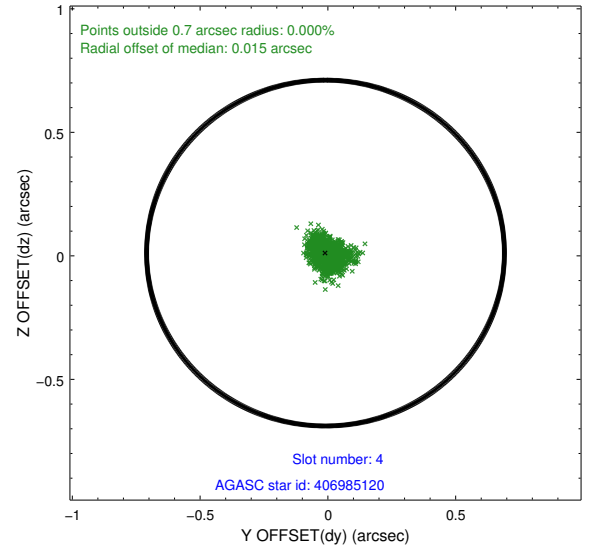
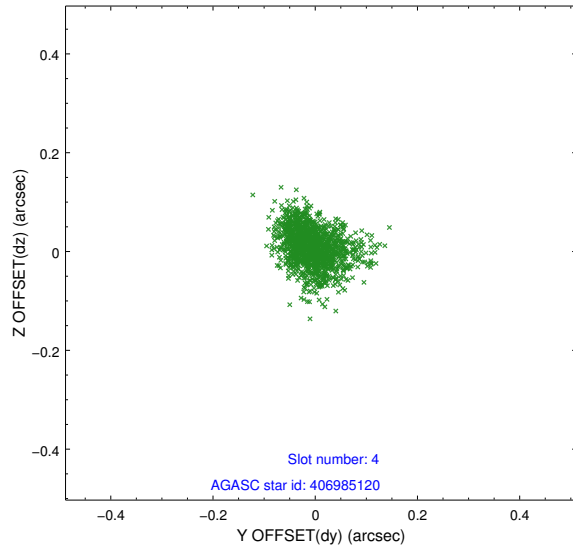
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	655	0.094	-0.092	0.006	0.010	0.000000	0.000000	-1156.88	-455.46
1	FID	HRC-S-3	6.99	655	0.156	-0.121	0.008	0.012	0.000000	0.000000	-1161.35	573.34
2	FID	HRC-S-4	6.93	655	0.138	-0.085	0.005	0.010	0.000000	0.000000	1239.61	577.61
3	GUIDE	406987272	6.91	1311	0.045	-0.081	0.055	0.085	278.536588	38.437504	-2245.82	285.92
4	GUIDE	406985120	7.43	1311	-0.009	0.011	0.056	0.094	278.839732	38.894839	-560.33	1054.18
5	GUIDE	406993992	7.62	1311	-0.037	0.088	0.065	0.101	279.053714	38.034587	-1990.44	-1757.01
6	GUIDE	406989616	8.23	1311	0.058	0.010	0.061	0.098	279.202881	38.520843	-583.72	-636.45
7	GUIDE	407521232	8.66	1310	-0.056	-0.017	0.069	0.109	279.628883	39.431715	2366.06	1229.56

2.4 Star Slots

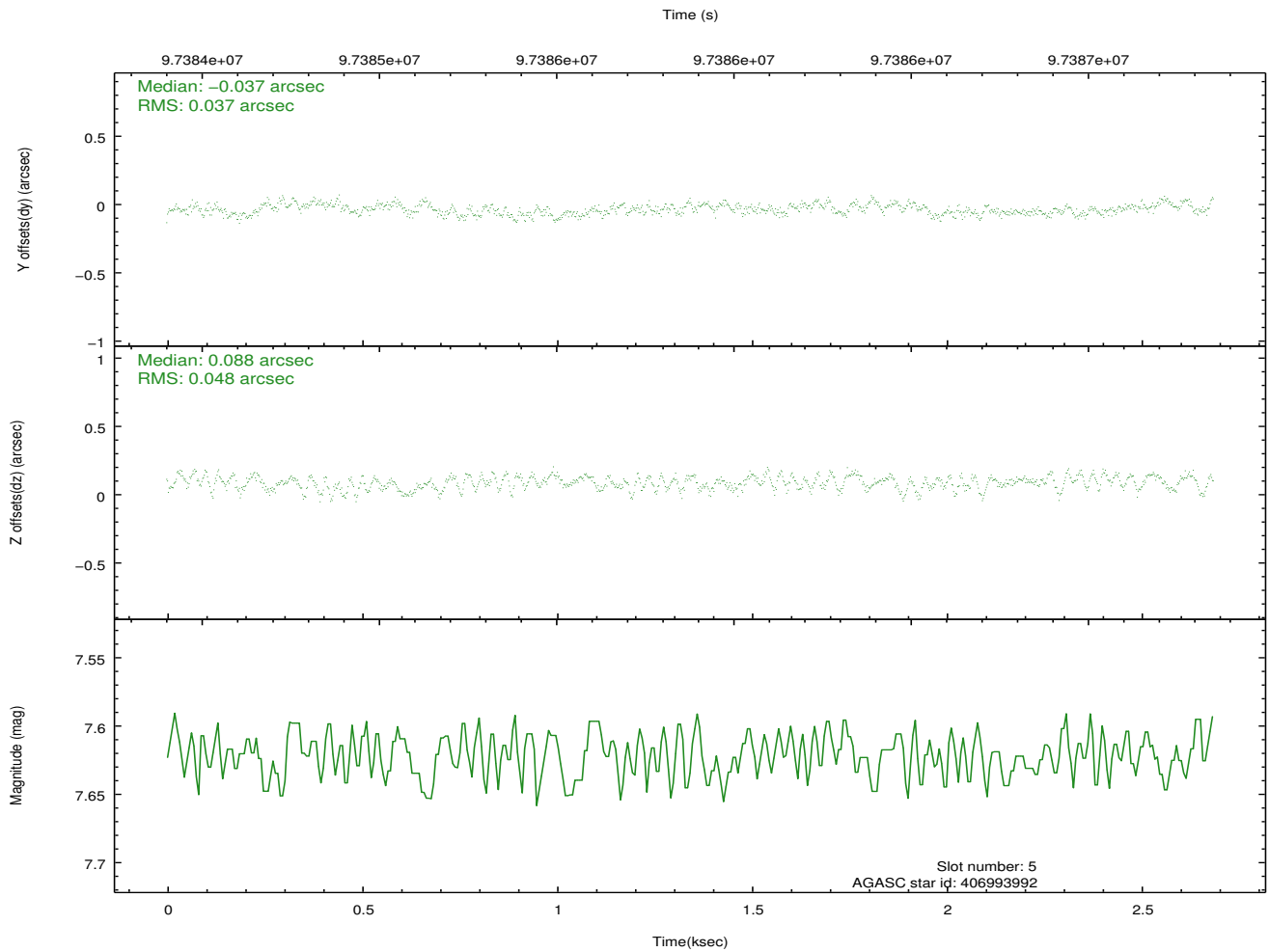
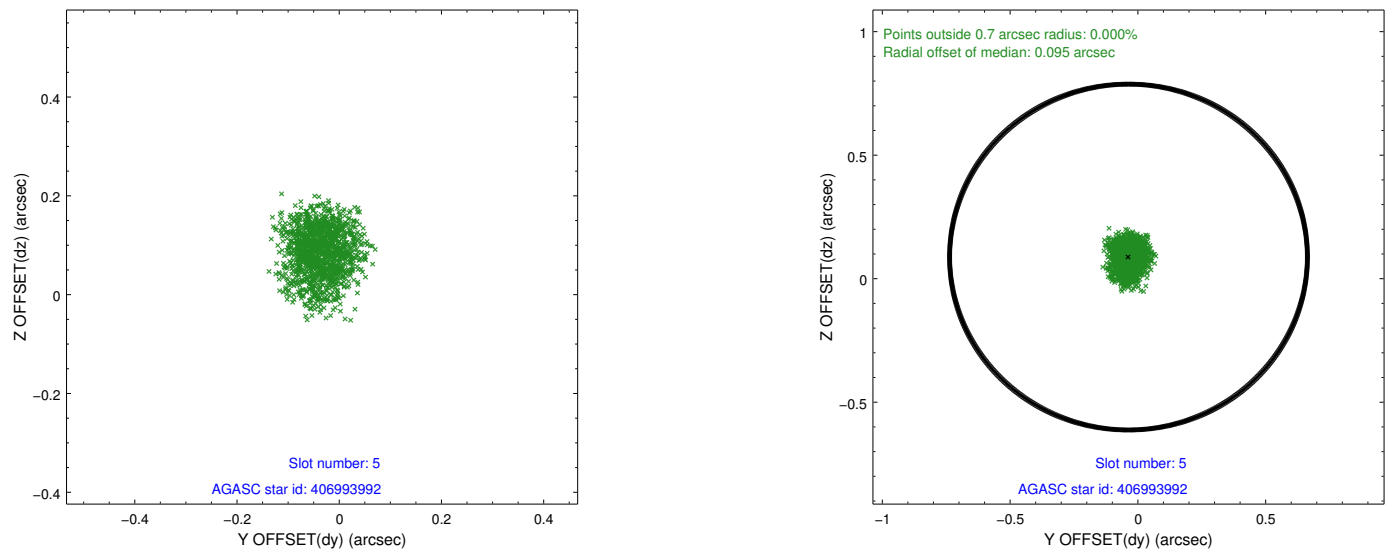
2.4.1 Slot 3



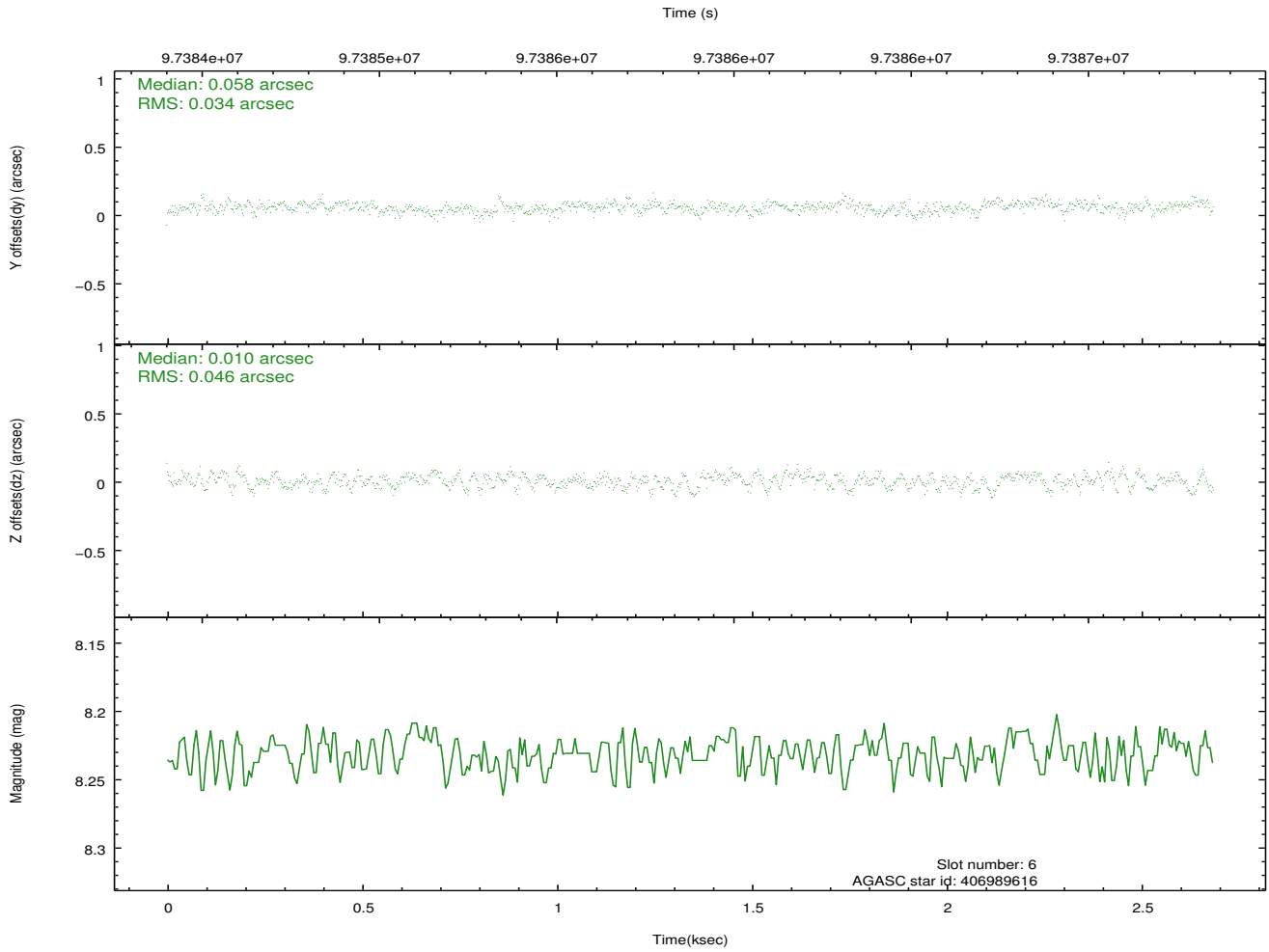
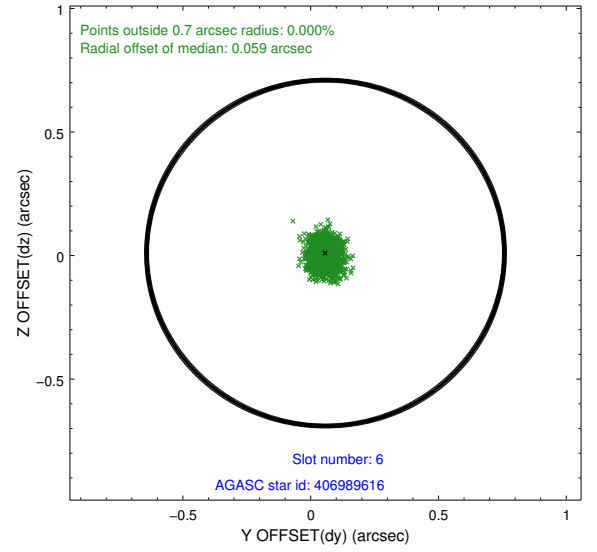
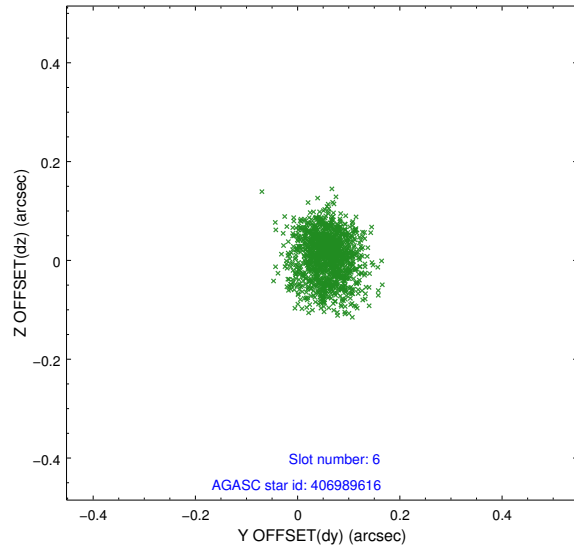
2.4.2 Slot 4



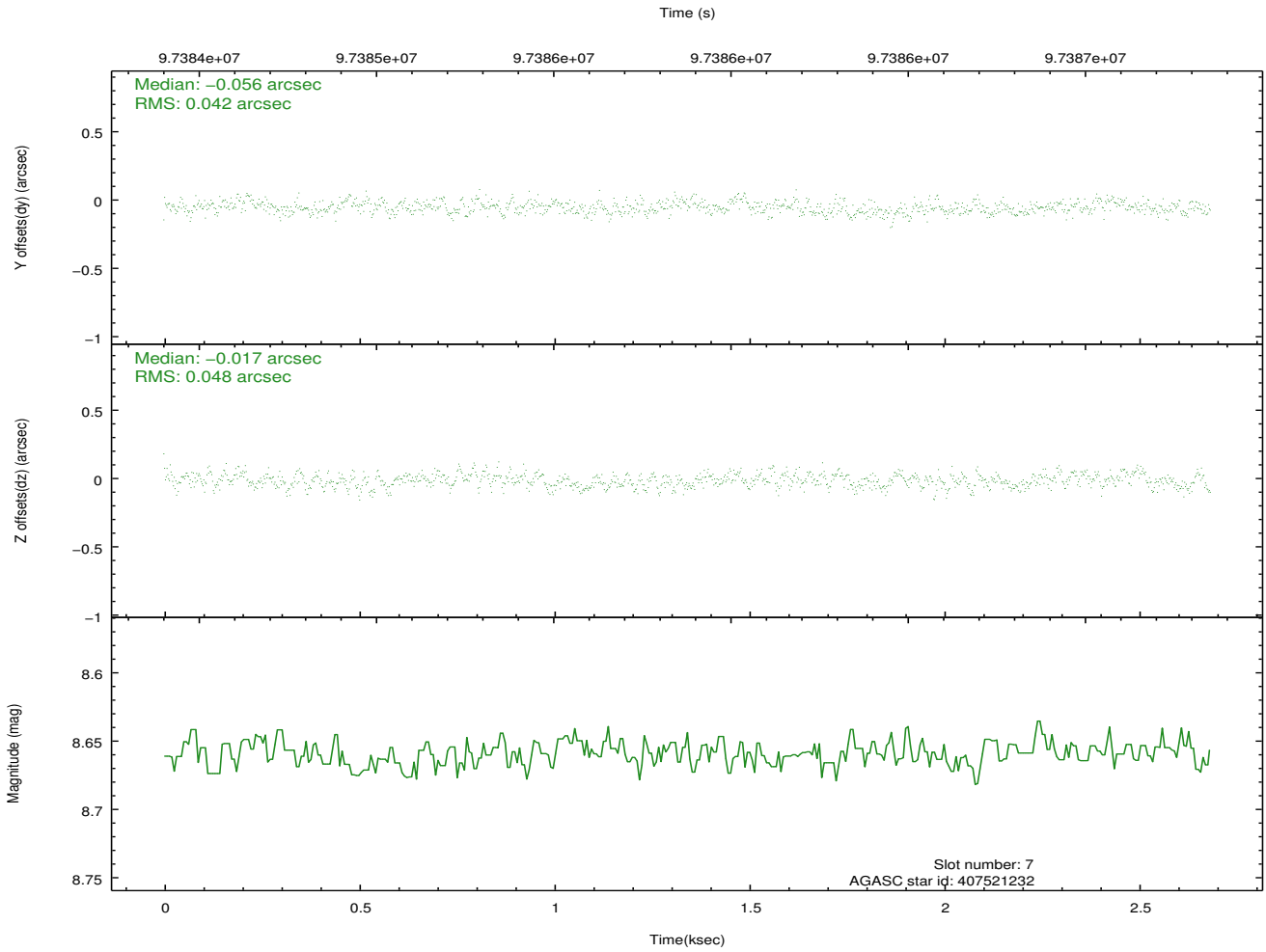
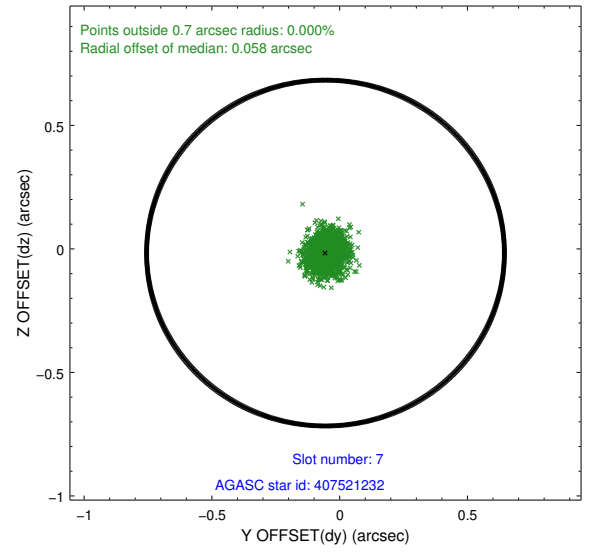
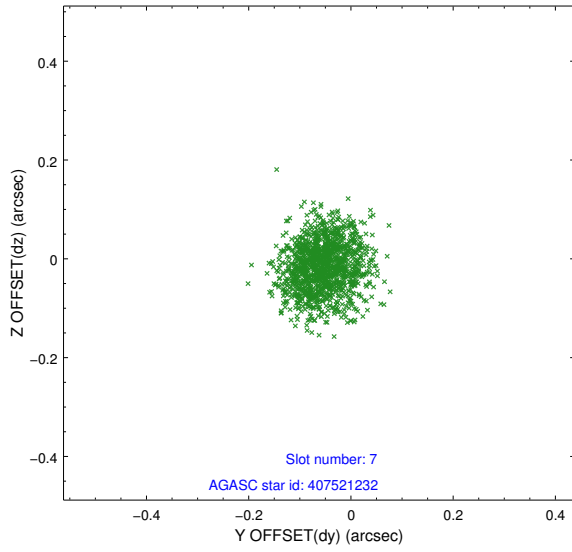
2.4.3 Slot 5



2.4.4 Slot 6

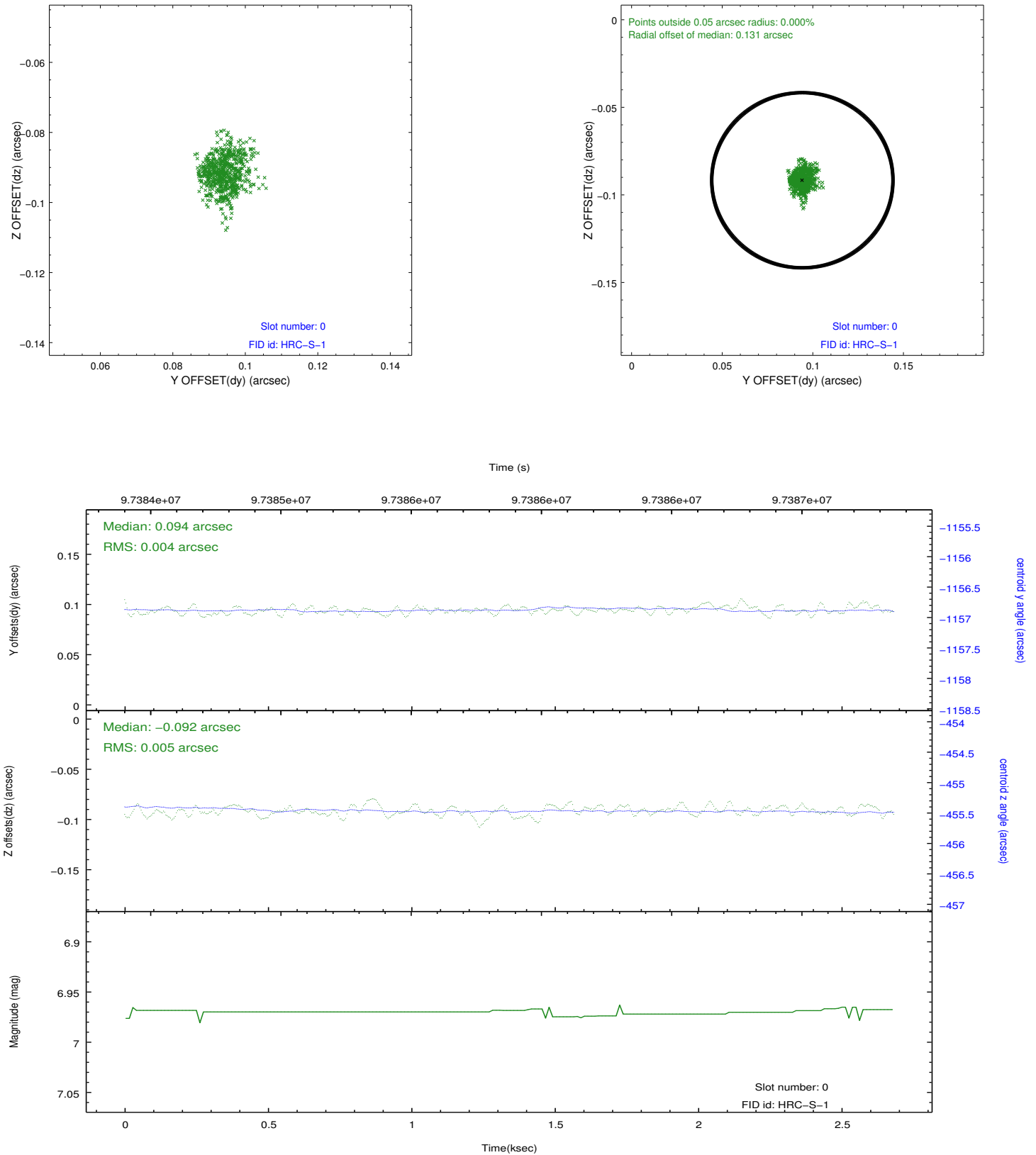


2.4.5 Slot 7

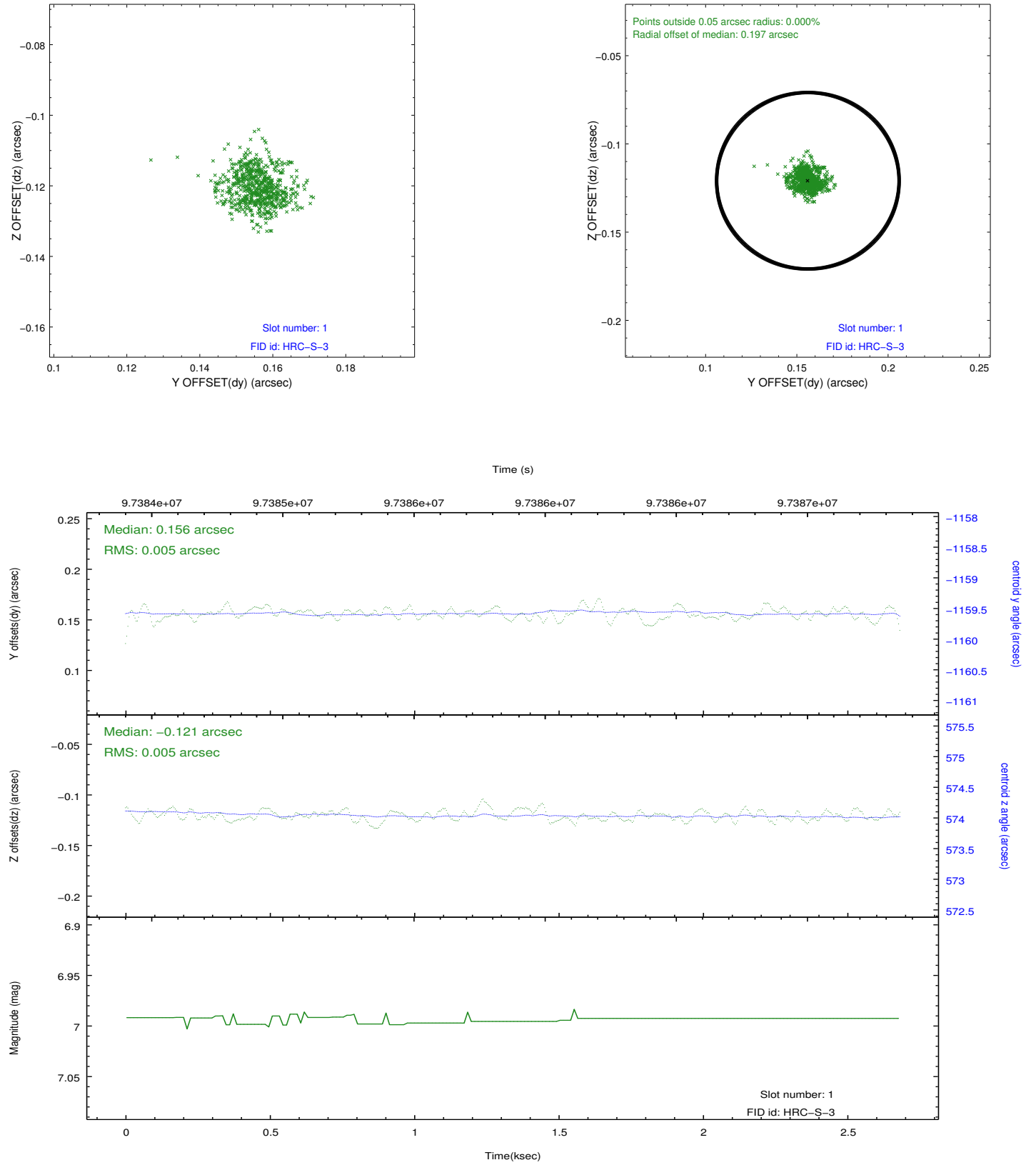


2.5 FID Slots

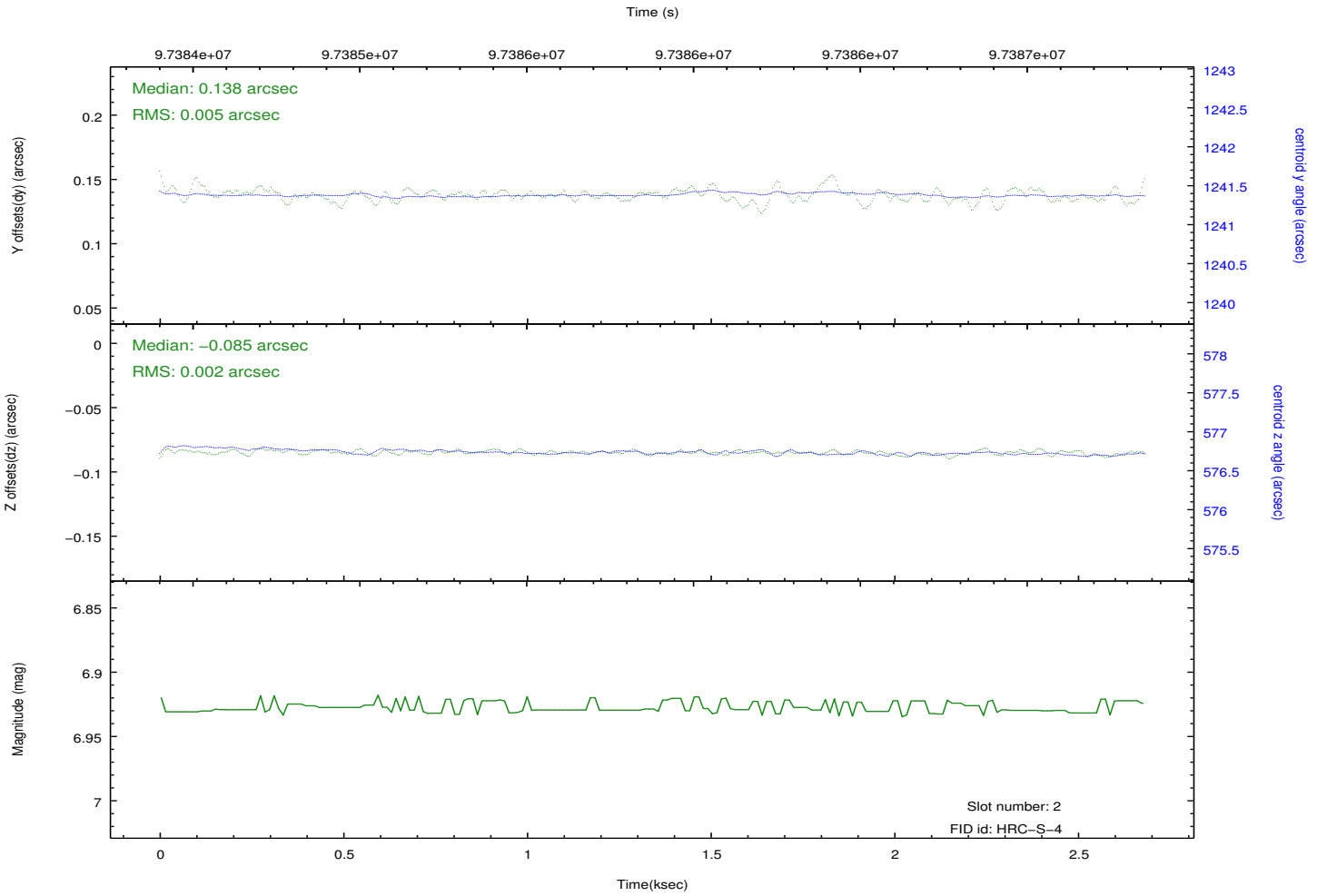
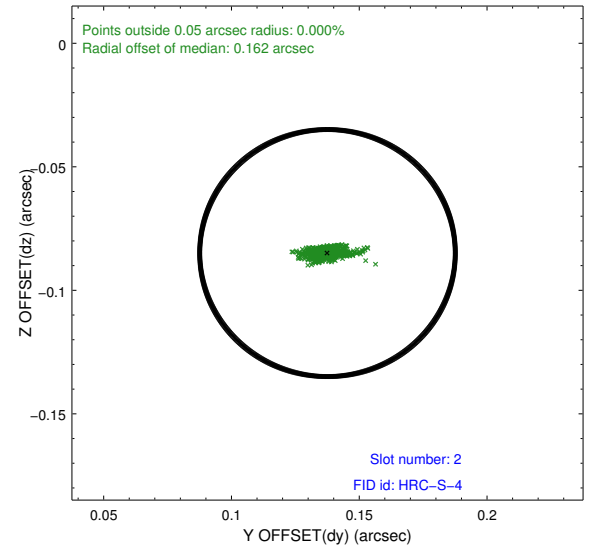
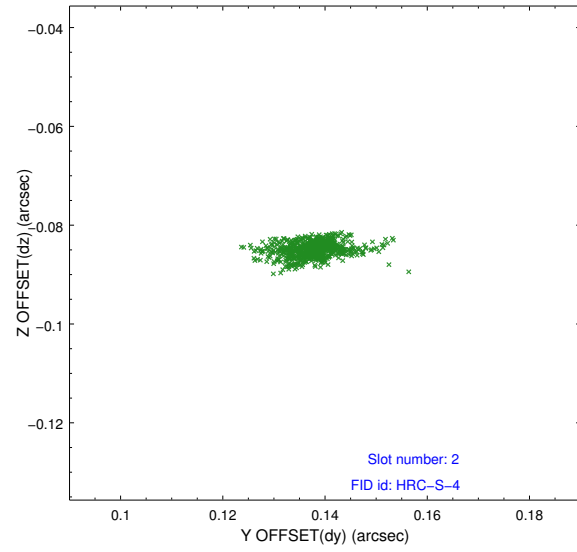
2.5.1 Slot 0



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)	2012.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.349

A.2 Comments

Window constraint met.