

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 995 - L2 Version 5
Chandra X-Ray Center

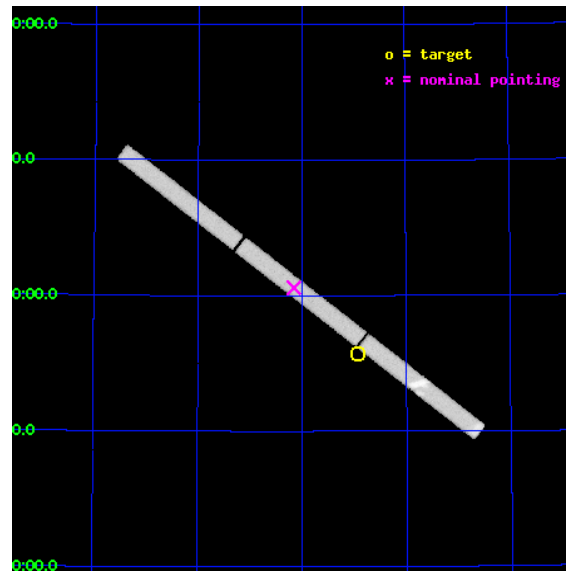
L2 Processing Date : Sep 7 2012

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

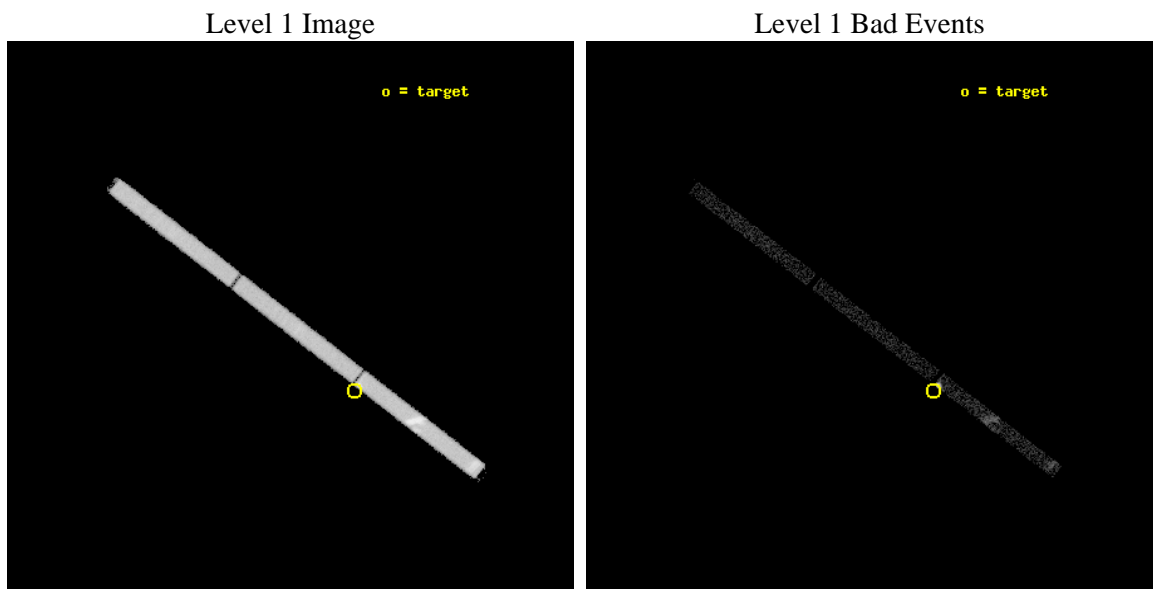
seq_num	290076	Sequence number
obs_id	995	Observation id
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	VEGA, HRC-S, AO2	Source name
ra_targ	279.234792	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.53854962686	Nominal RA [deg]
dec_nom	39.029764773753	Nominal Dec [deg]
roll_nom	37.657316946064	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2694.9813538045	[s]
livetime	2679.3856187253	Ontime multiplied by DTCOR
l2events	127361	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	2694.9813538045	[s]
caldsver	4.5.1.1	 	l1events	196426	Number of level 1 events
date	2012-09-07T04:59:02	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

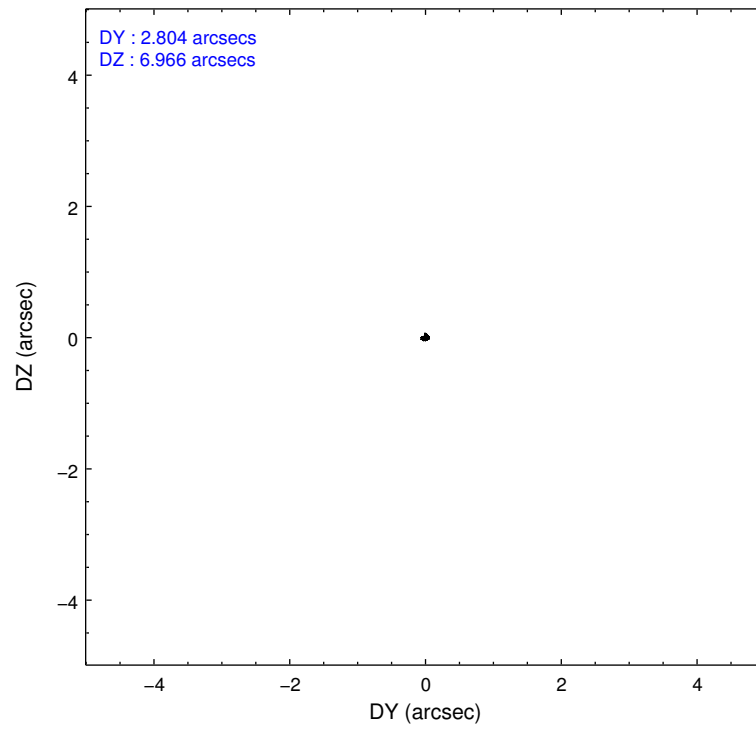
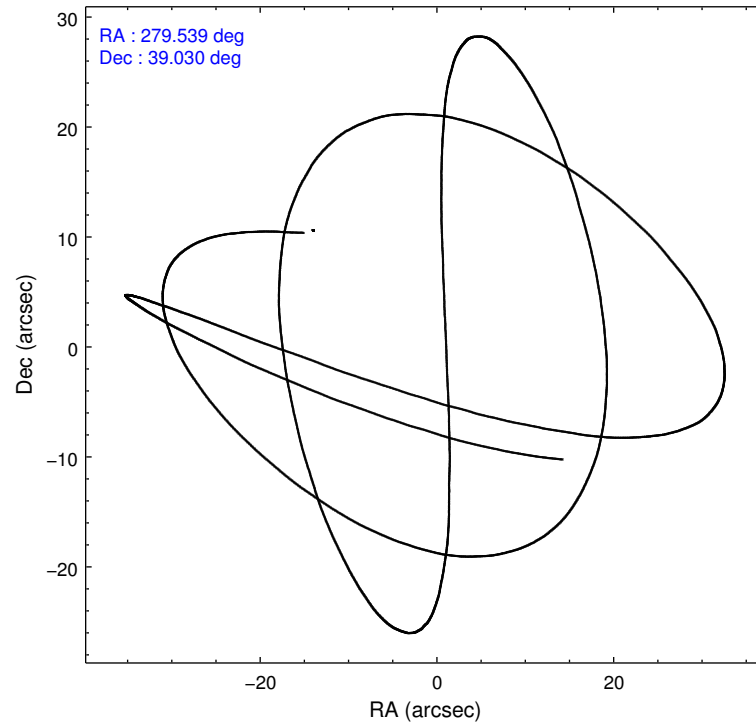
	segment 1	segment 2	segment 3
level 1 events	75960	58626	61840
rejected events	9601	6326	6709
rejected %	12%	10%	10%

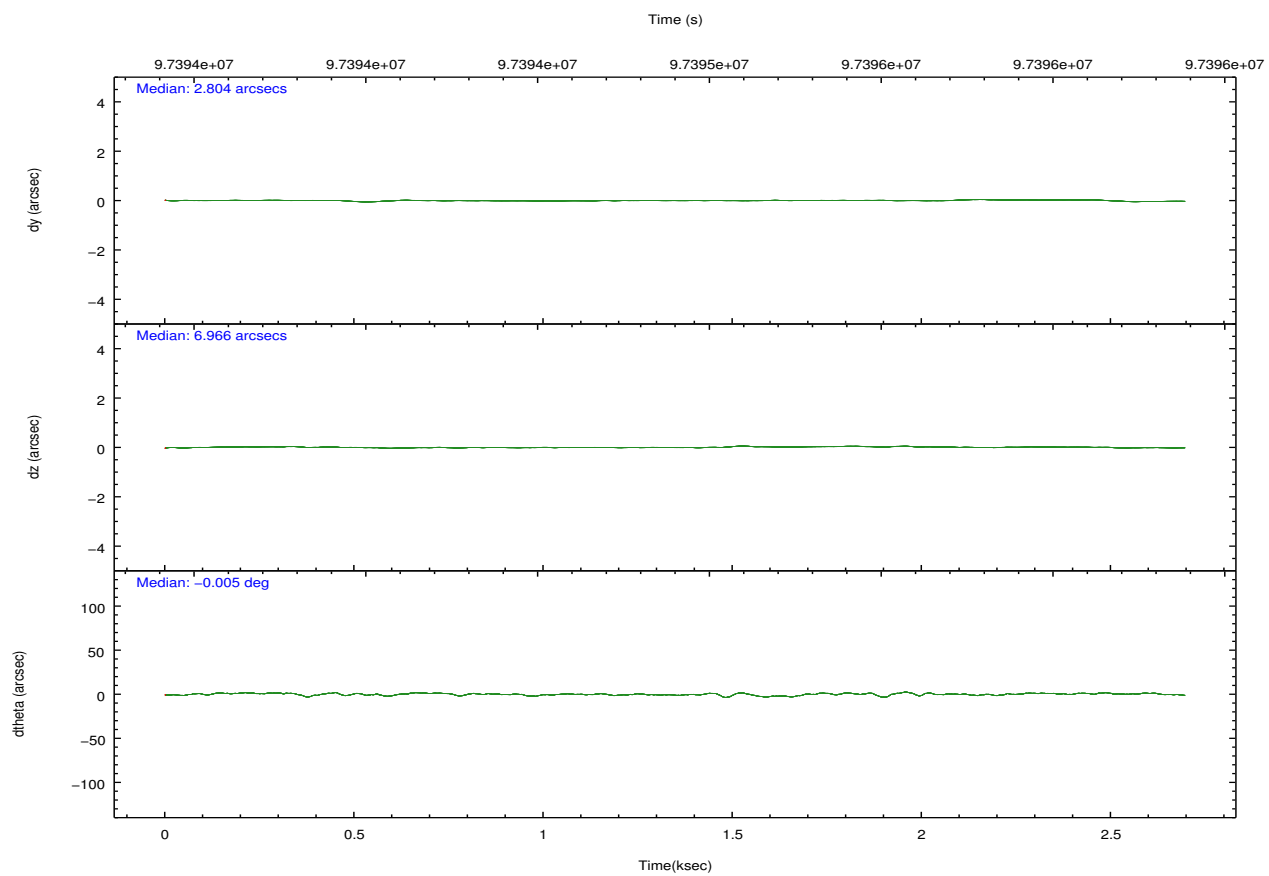
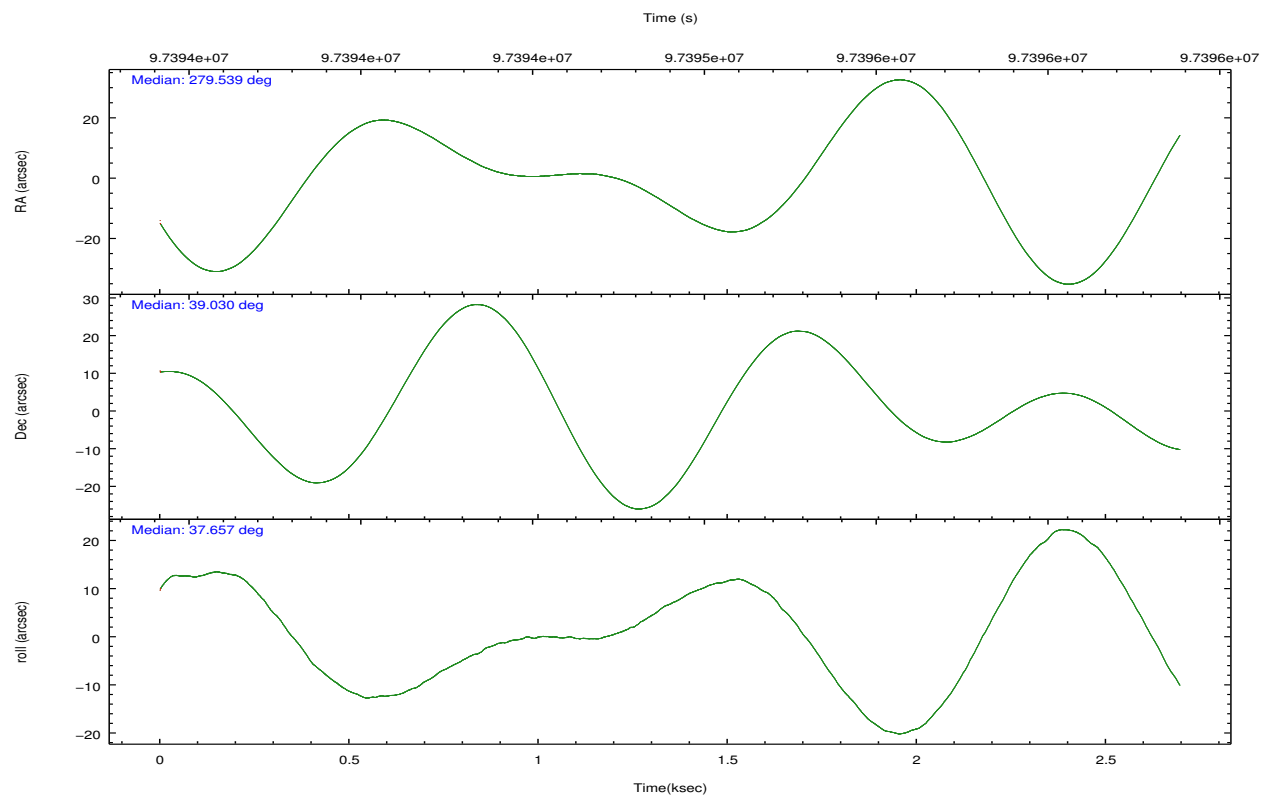
2.2 Compared Parameters

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	279.527085	279.538549626858
[deg] Pointing Dec	39.002921	39.02976477375306
[deg] Pointing Roll	37.597199	37.65731694606433
[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)	97393749.184000	97393373.42994399
Observation start date	2001-02-01T05:48:05	2001-02-01T05:42:53
[s] Observation end time (MET)	97396249.184000	97396382.83005901
Observation end date	2001-02-01T06:29:45	2001-02-01T06:33:02

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

2.3 Aspect



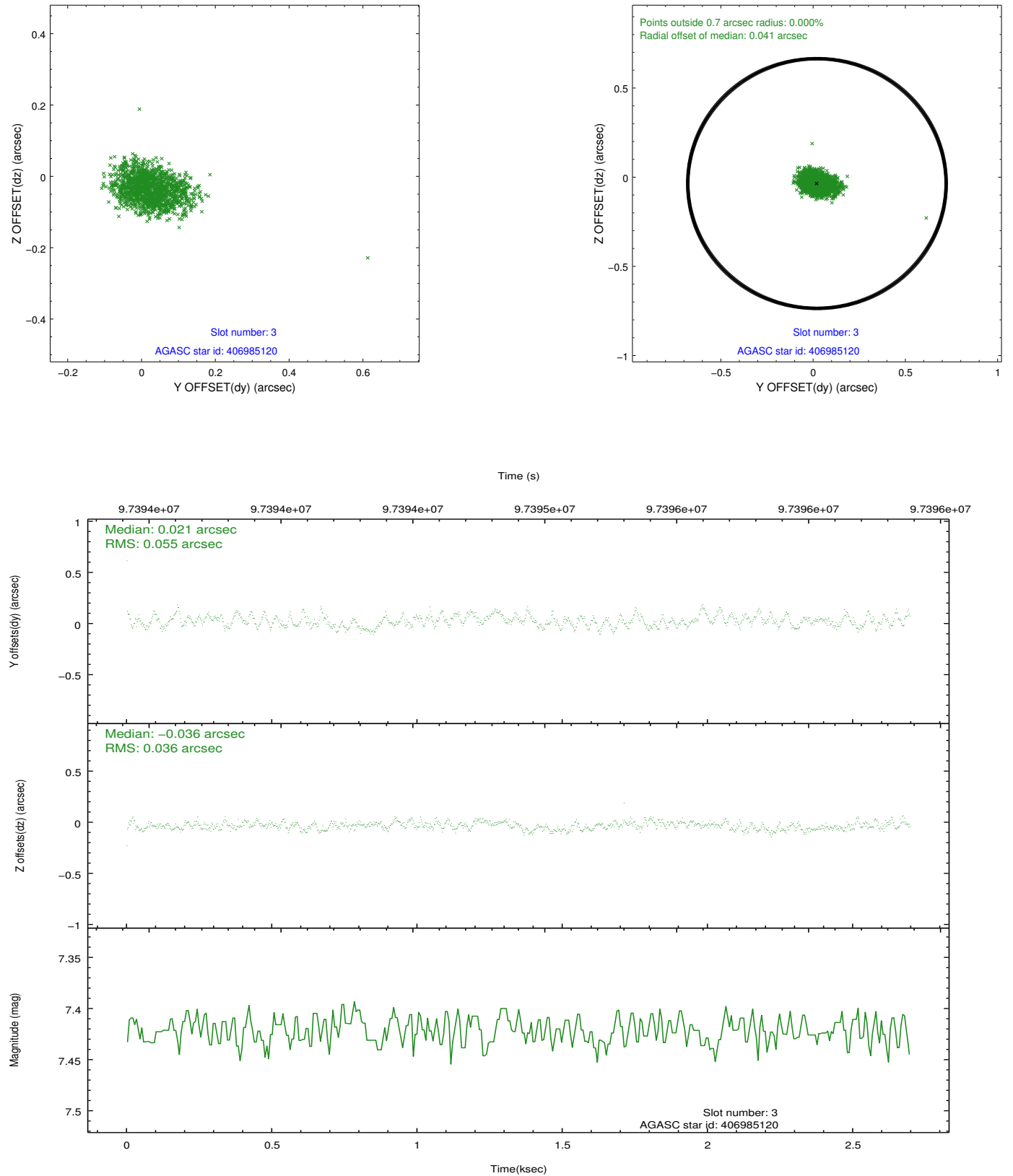


Slot Statistics

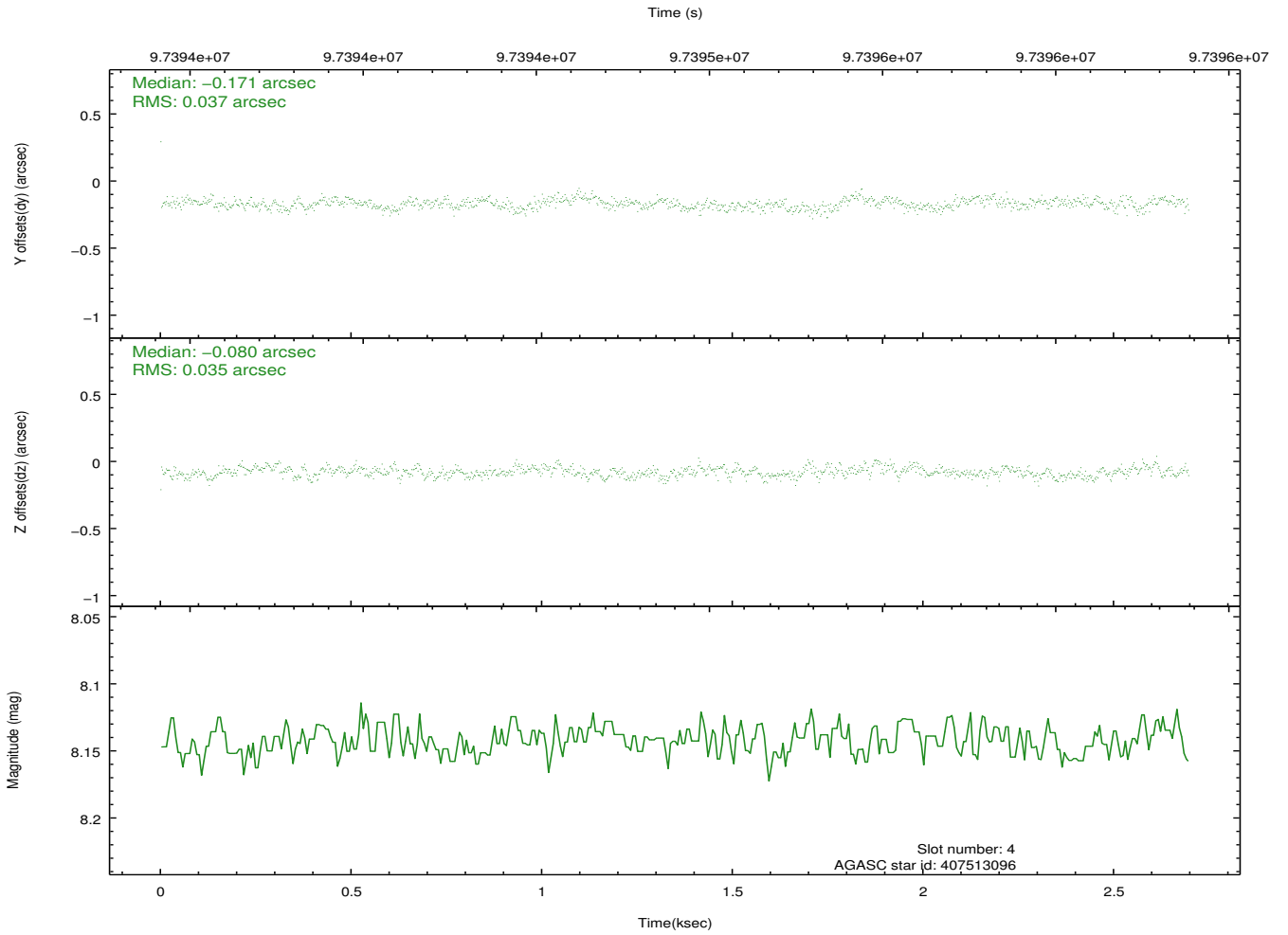
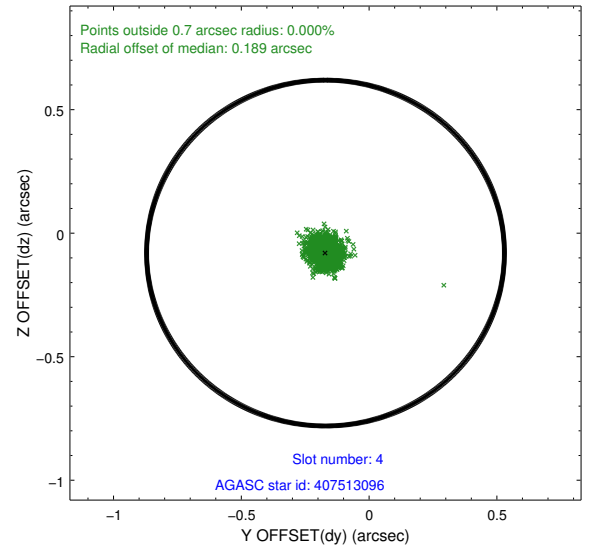
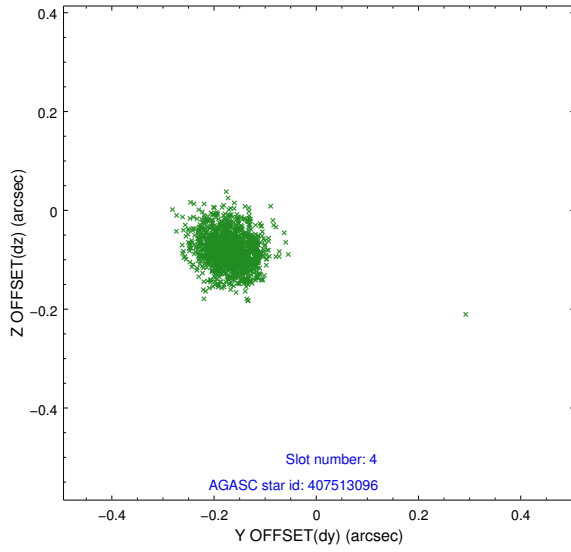
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	658	0.103	-0.087	0.006	0.010	0.000000	0.000000	-1156.85	-455.51
1	FID	HRC-S-3	7.00	658	0.152	-0.121	0.007	0.013	0.000000	0.000000	-1161.31	573.29
2	FID	HRC-S-4	6.93	658	0.133	-0.089	0.005	0.009	0.000000	0.000000	1239.64	577.51
3	GUIDE	406985120	7.42	1316	0.021	-0.036	0.069	0.111	278.839732	38.894839	-1756.18	870.76
4	GUIDE	407513096	8.14	1316	-0.171	-0.080	0.052	0.082	279.928965	39.436841	1841.05	556.88
5	GUIDE	406989616	8.22	1316	0.083	0.058	0.070	0.110	279.202881	38.520843	-1777.21	-817.86
6	GUIDE	407521232	8.64	1315	0.035	-0.003	0.065	0.105	279.628883	39.431715	1167.53	1048.23
7	GUIDE	406983600	8.92	1314	0.025	0.067	0.062	0.098	279.940957	39.020708	961.44	-654.34

2.4 Star Slots

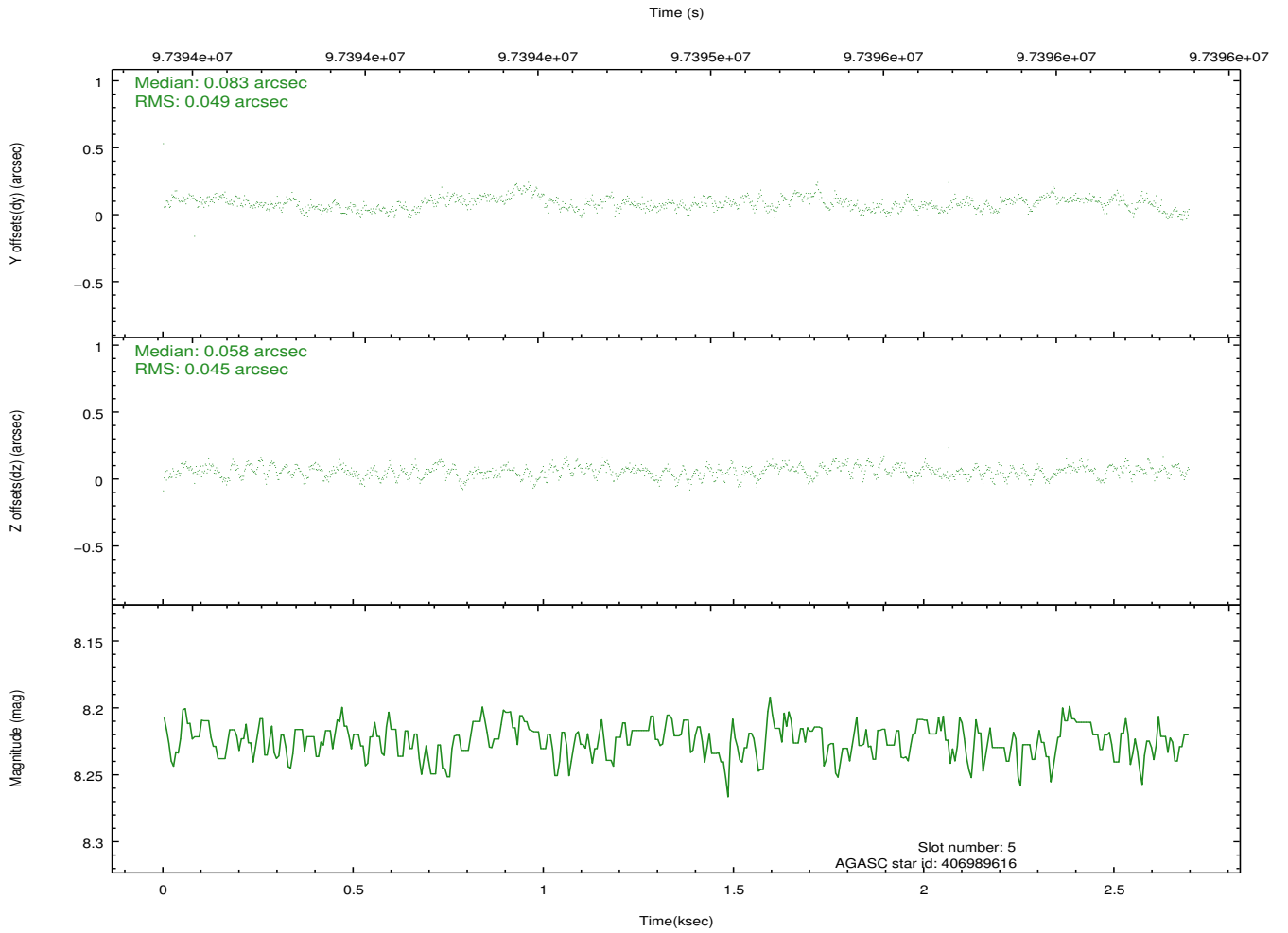
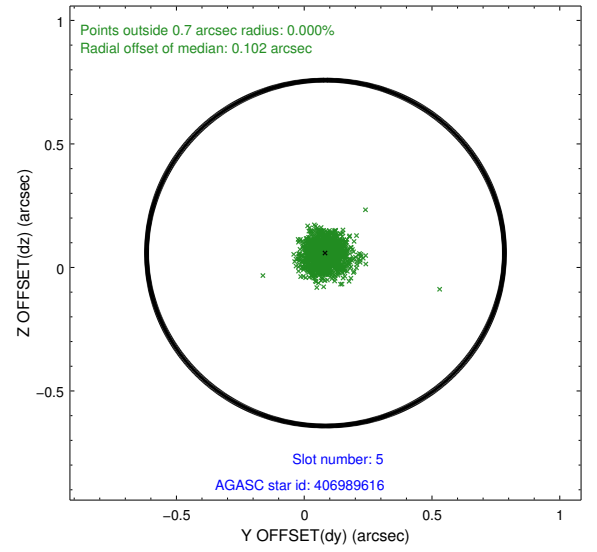
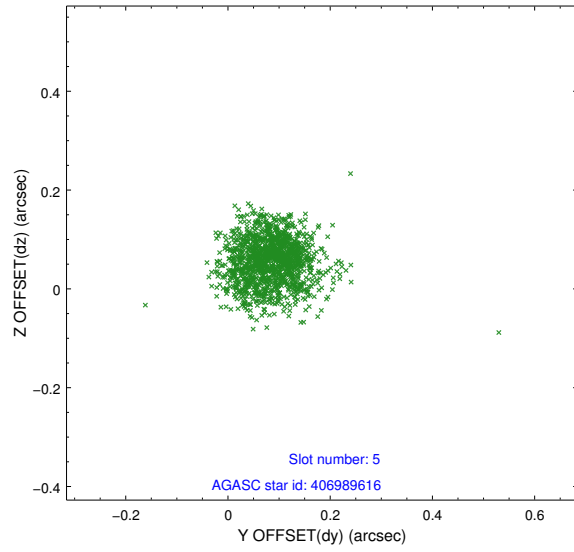
2.4.1 Slot 3



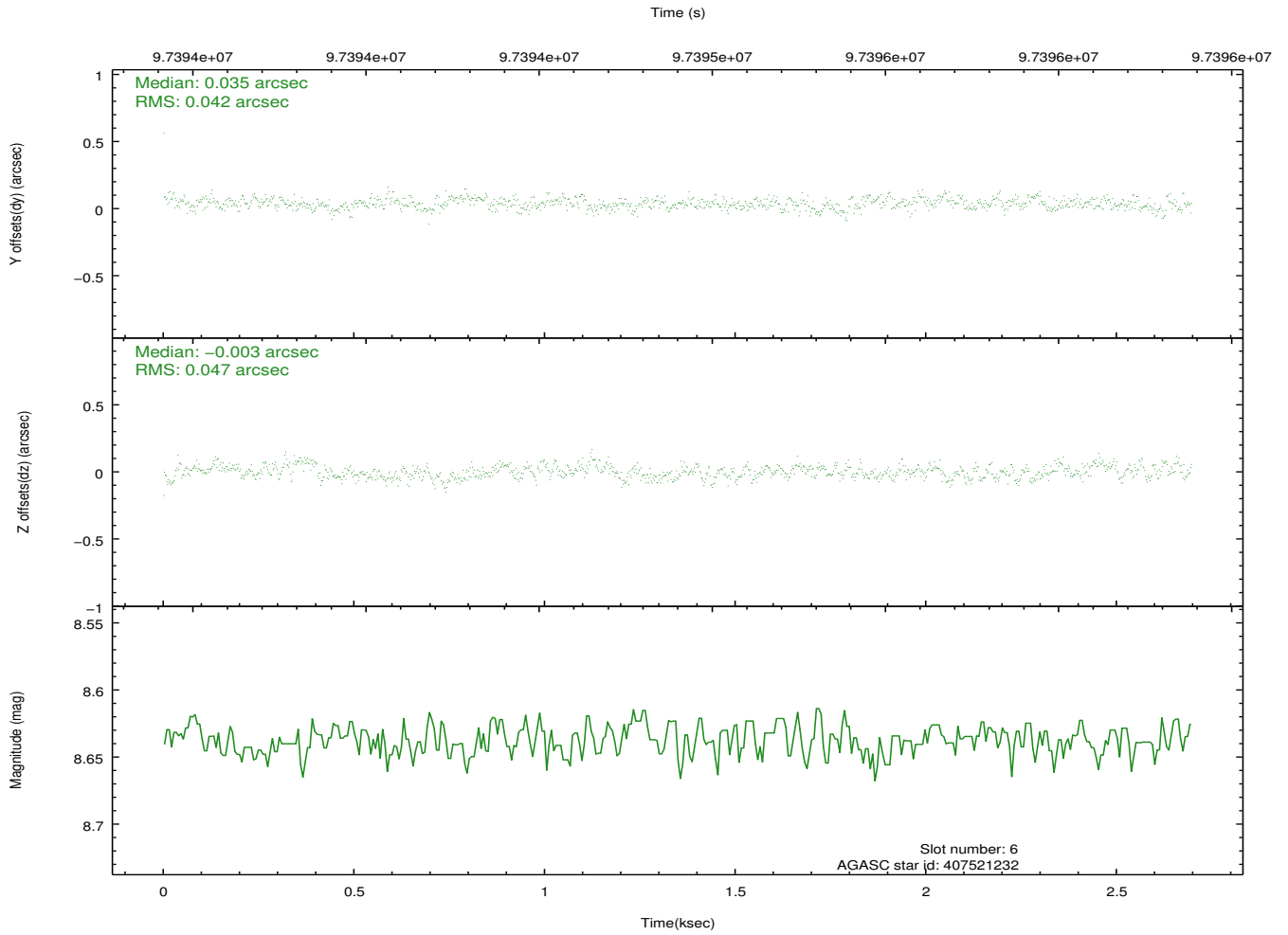
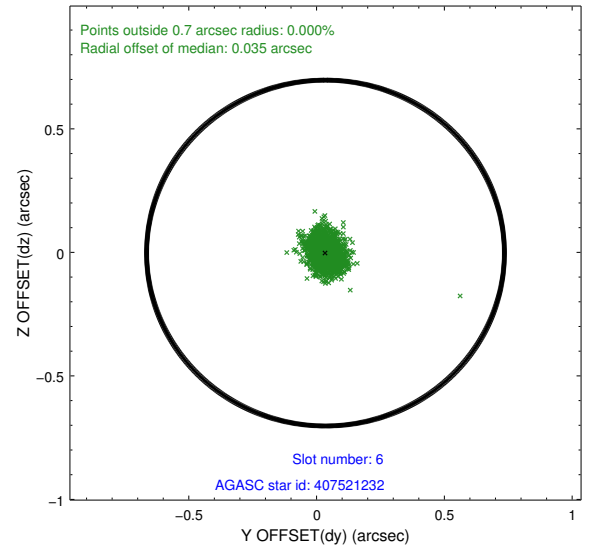
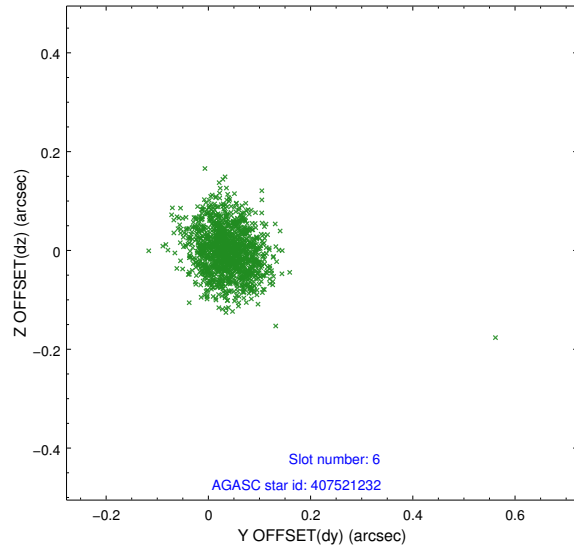
2.4.2 Slot 4



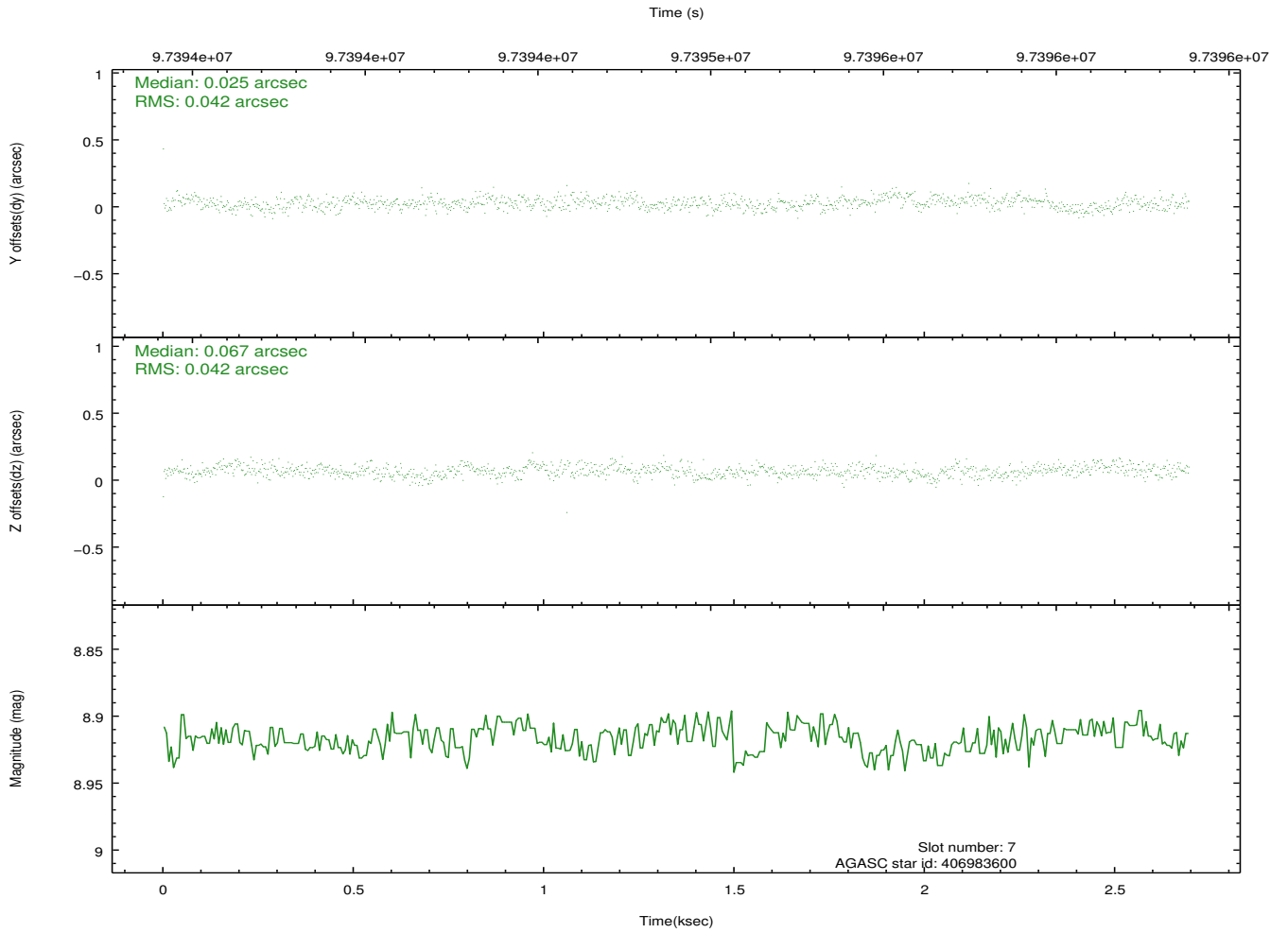
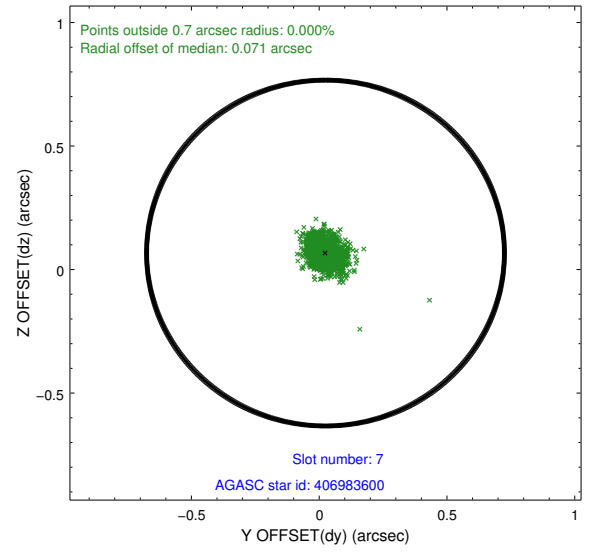
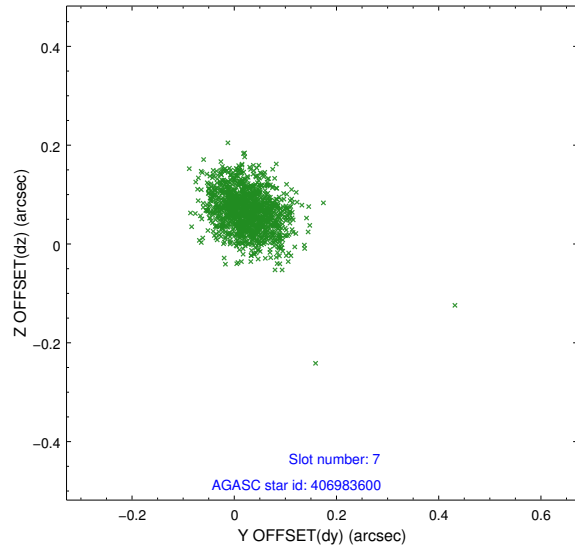
2.4.3 Slot 5



2.4.4 Slot 6

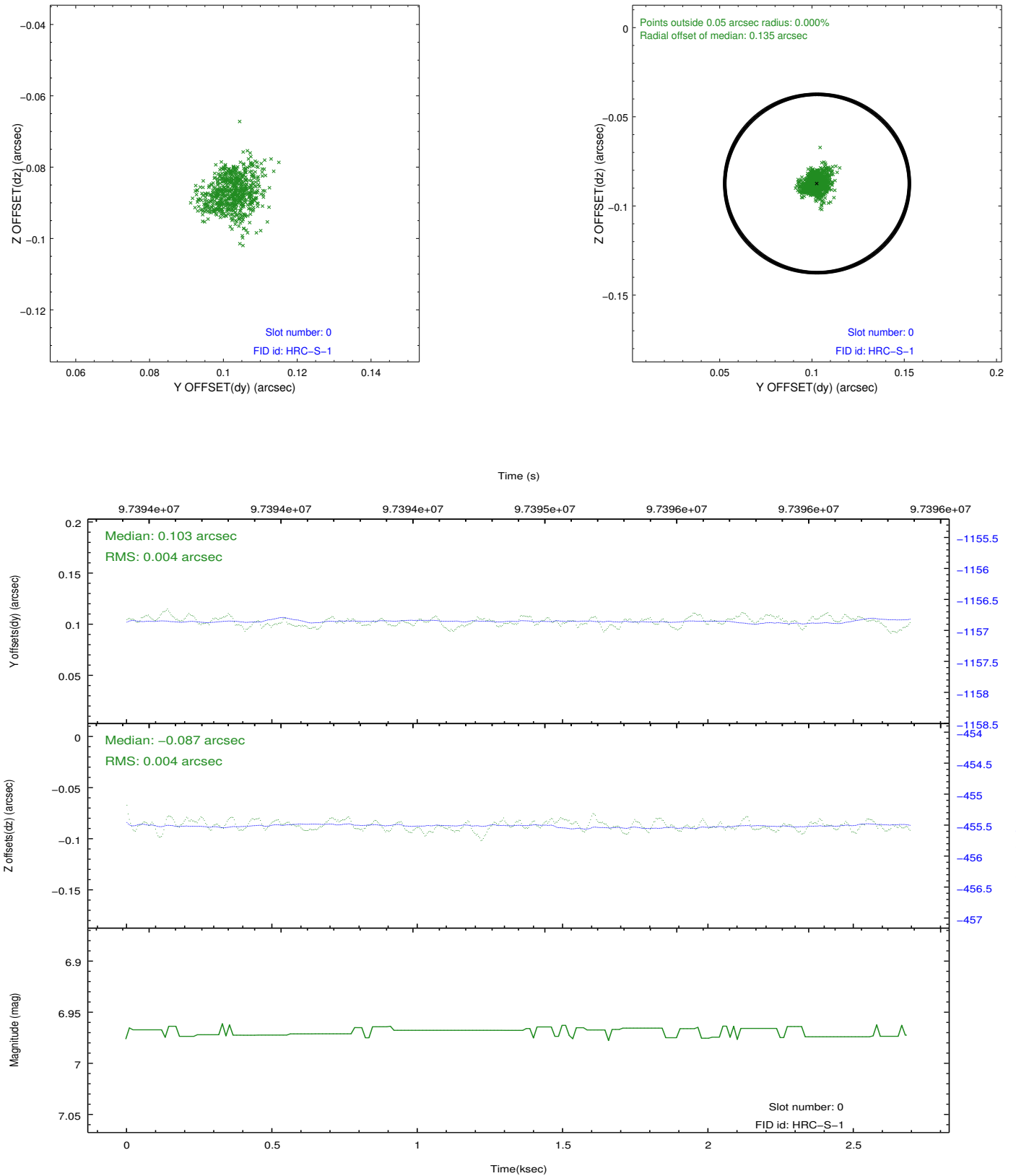


2.4.5 Slot 7

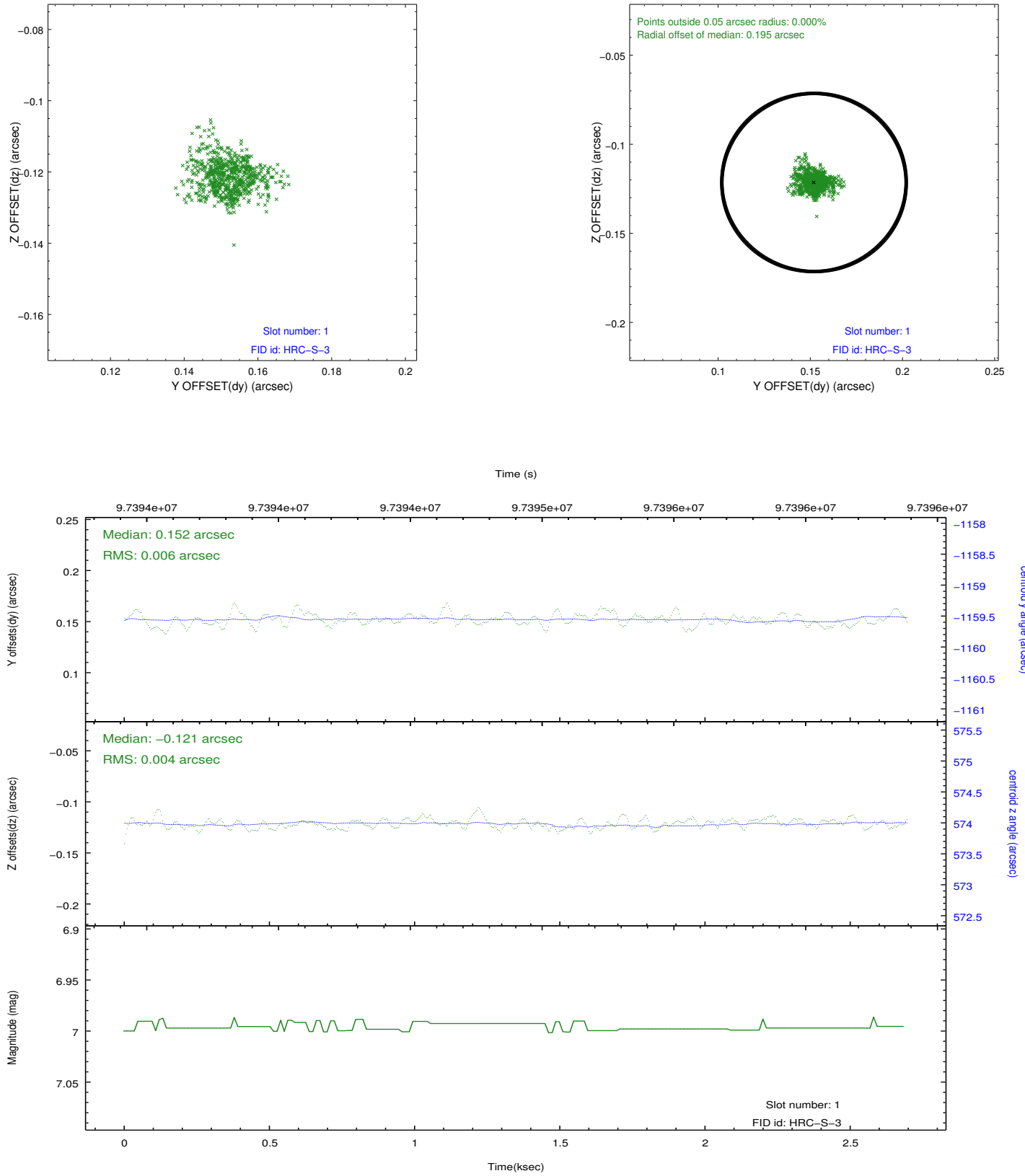


2.5 FID Slots

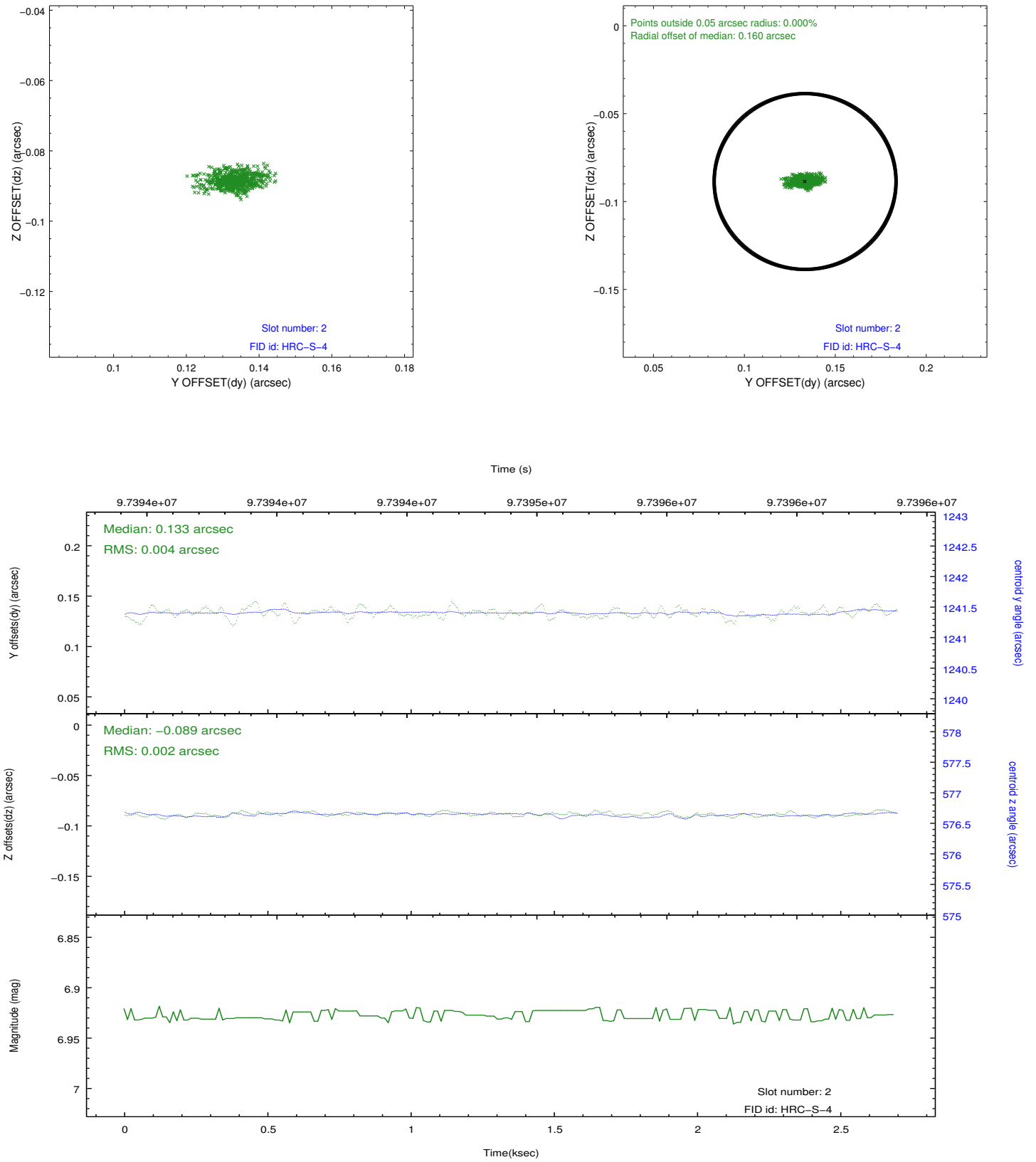
2.5.1 Slot 0



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	2.694

A.2 Comments

Window constraint met. The image is far off-axis and is therefore extended and distorted; additionally, internal reflections from the telescope fall onto the chip.