

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 174 - L2 Version 4

Chandra X-Ray Center

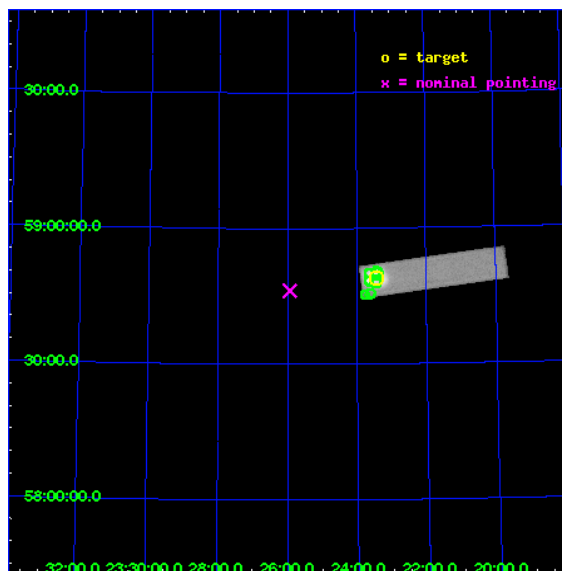
L2 Processing Date : Jan 13 2010

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1 Front

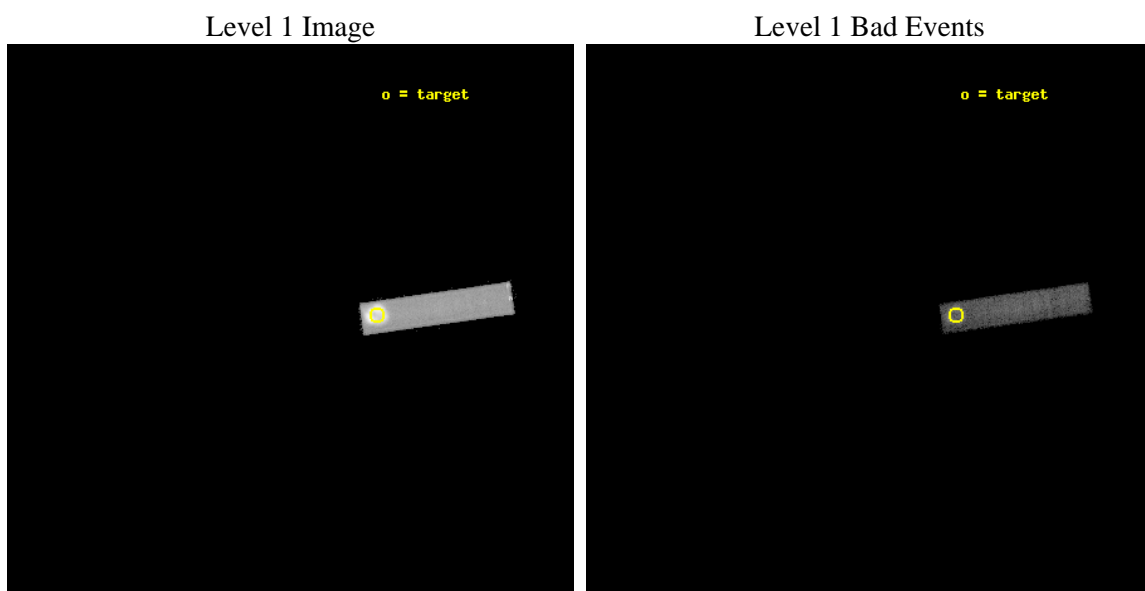
seq_num	590042	Sequence number
obs_id	174	Observation id
title	HRC RESPONSE TO CASA	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [HRC-S, Offsets=20,0,0 -Y MCP]	Source name
ra_targ	350.8575	Observer's specified target RA
dec_targ	58.814833	Observer's specified target Dec
ra_nom	351.48433425442	Nominal RA
dec_nom	58.770726298732	Nominal Dec
roll_nom	171.96350681831	Nominal Roll
revision	4	Processing version of data
ontime	1723.2813118771	[s]
livetime	1705.0254797317	Ontime multiplied by DTCOR
l2events	151109	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	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	1723.2813118771	[s]
caldbver	4.1.5	 	l1events	194978	Number of level 1 events
date	2010-01-13T04:38:08	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

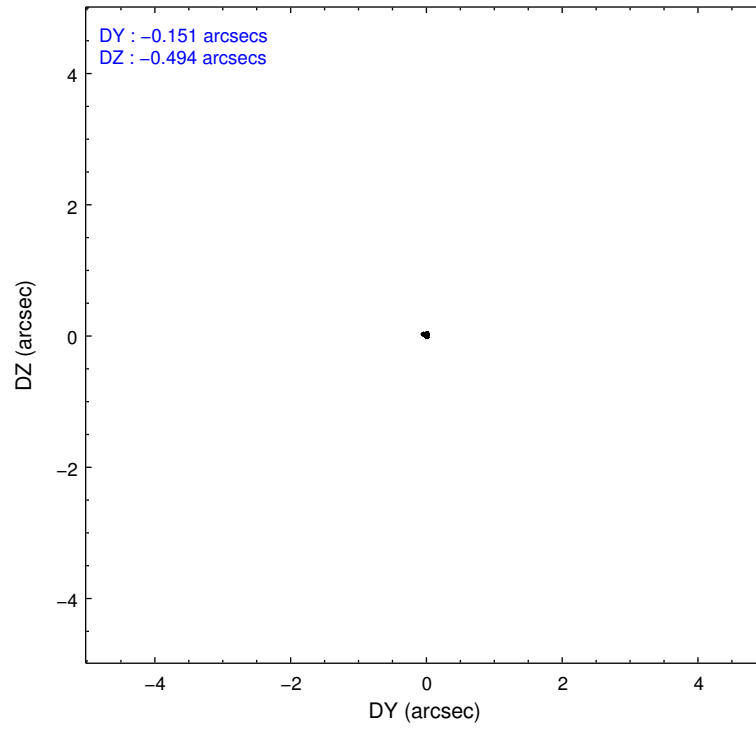
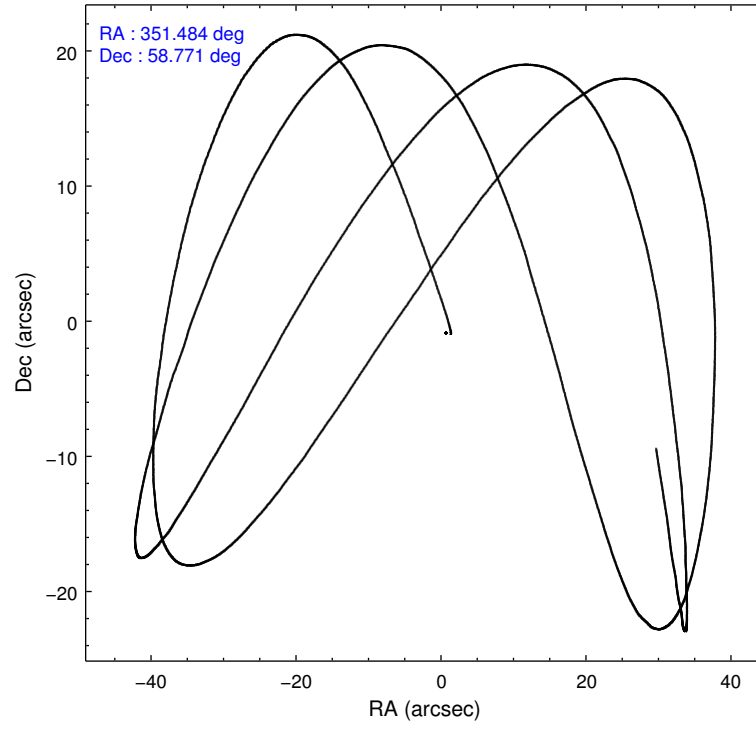
	segment 1	segment 2	segment 3
level 1 events	0	50	194928
rejected events	0	35	33691
rejected %	0%	70%	17%

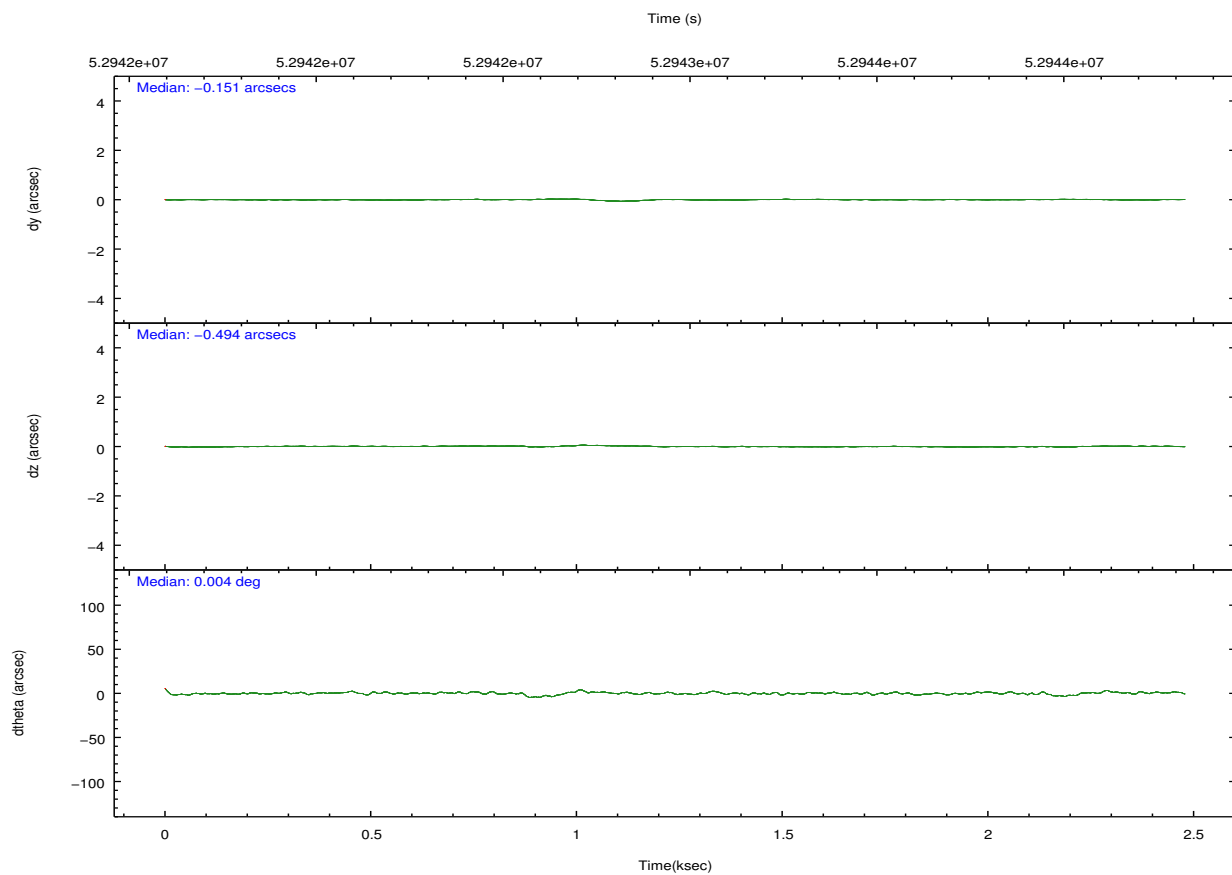
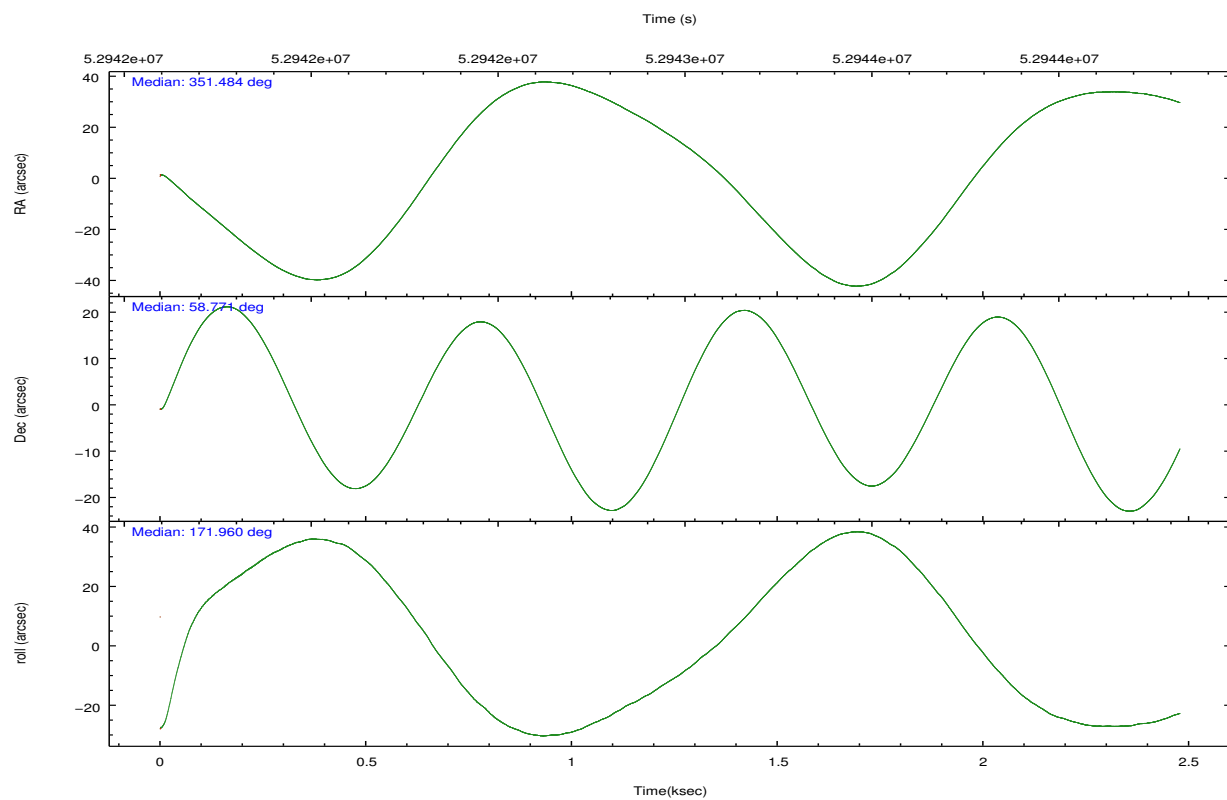
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	351.536004	351.4843342544159
Pointing Dec	58.782137	58.77072629873193
Pointing Roll	171.852114	171.9635068183073
SIM focus pos (mm)	-1.429586	-1.370509375638239
SIM defocus (mm)	0.1037507710433287	0.1628272637660579
SIM translation stage pos (mm)	250.455976	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	52942200.184000	52941533.552061
Observation start date	1999-09-05T18:08:56	1999-09-05T17:58:53
Observation end time	52944200.184000	52944333.852162
Observation end date	1999-09-05T18:42:16	1999-09-05T18:45:33

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



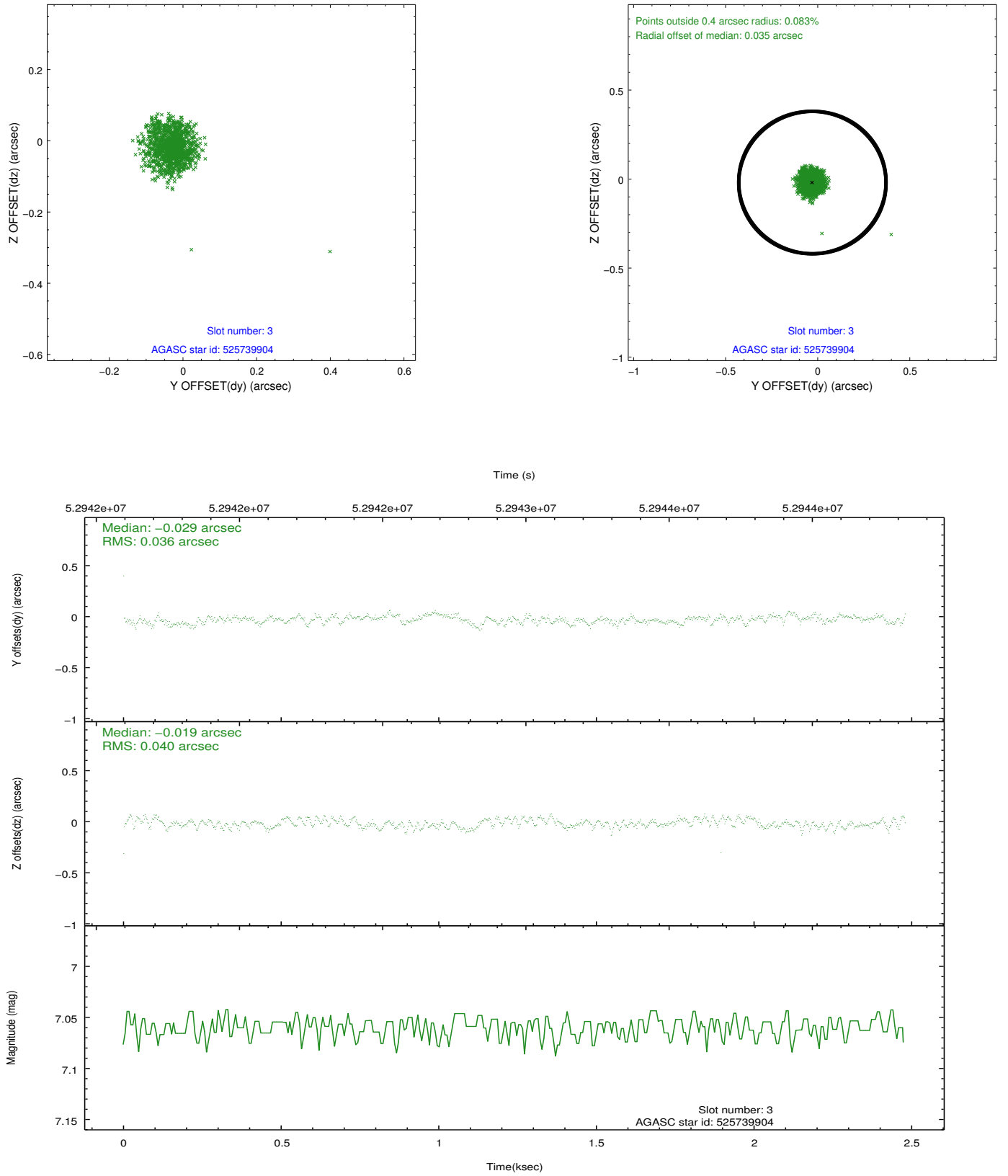


Slot Statistics

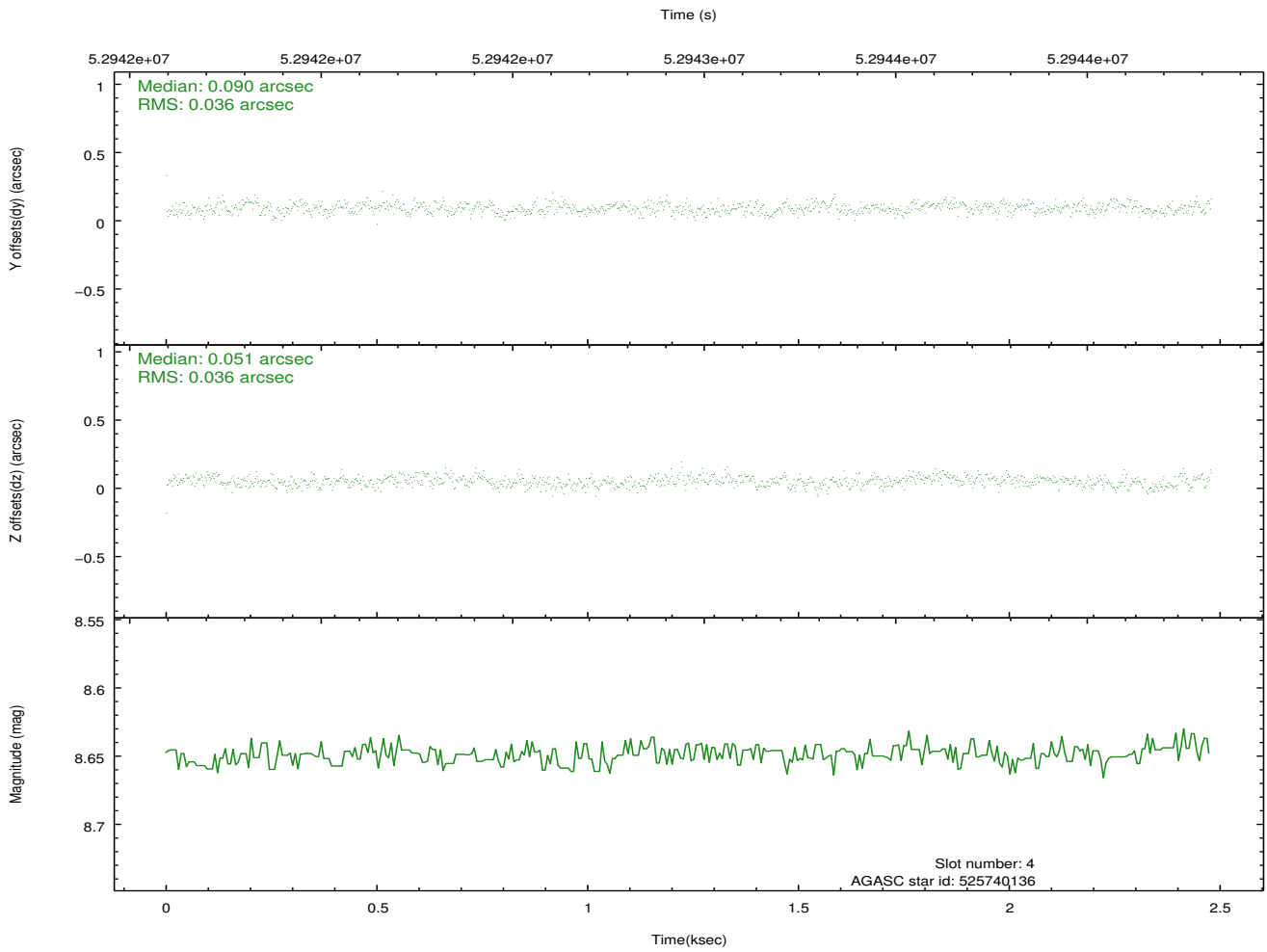
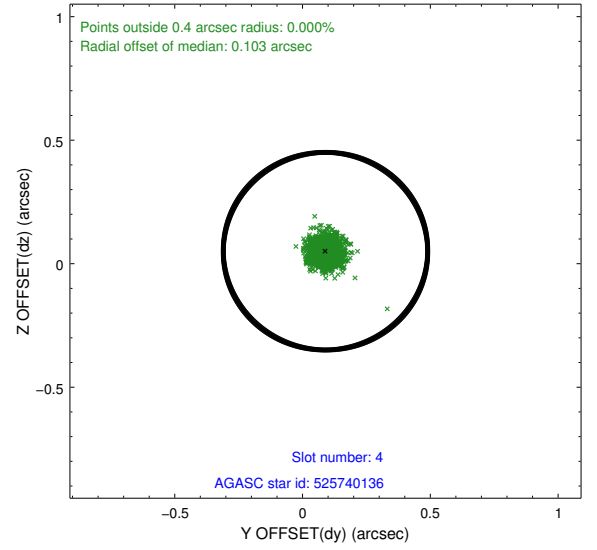
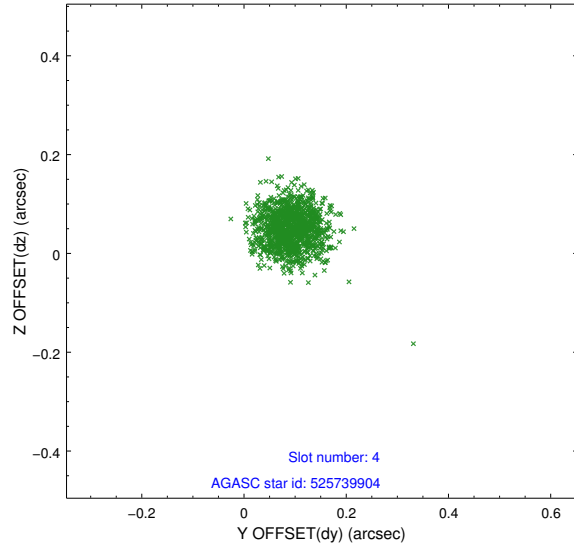
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	1210	0.152	-0.066	0.007	0.012	0.000000	0.000000	-1153.88	-447.62
1	FID	HRC-S-3	7.01	1210	0.093	-0.121	0.008	0.013	0.000000	0.000000	-1157.48	581.49
2	FID	HRC-S-4	6.99	1210	0.143	-0.110	0.006	0.014	0.000000	0.000000	1243.56	584.61
3	GUIDE	525739904	7.06	1210	-0.029	-0.019	0.057	0.086	352.932185	59.092381	-2394.56	-1498.14
4	GUIDE	525740136	8.65	1208	0.090	0.051	0.055	0.087	352.585881	58.767876	-1948.03	-243.21
5	GUIDE	525735976	8.87	1208	-0.010	0.002	0.076	0.126	350.142956	58.277622	2353.77	2144.80
6	GUIDE	525736400	9.07	1210	-0.006	0.018	0.072	0.120	350.974563	59.175145	1227.23	-1255.98
7	GUIDE	525734296	9.50	1208	-0.044	-0.047	0.083	0.138	351.276372	58.418153	298.71	1364.71

2.4 Star Slots

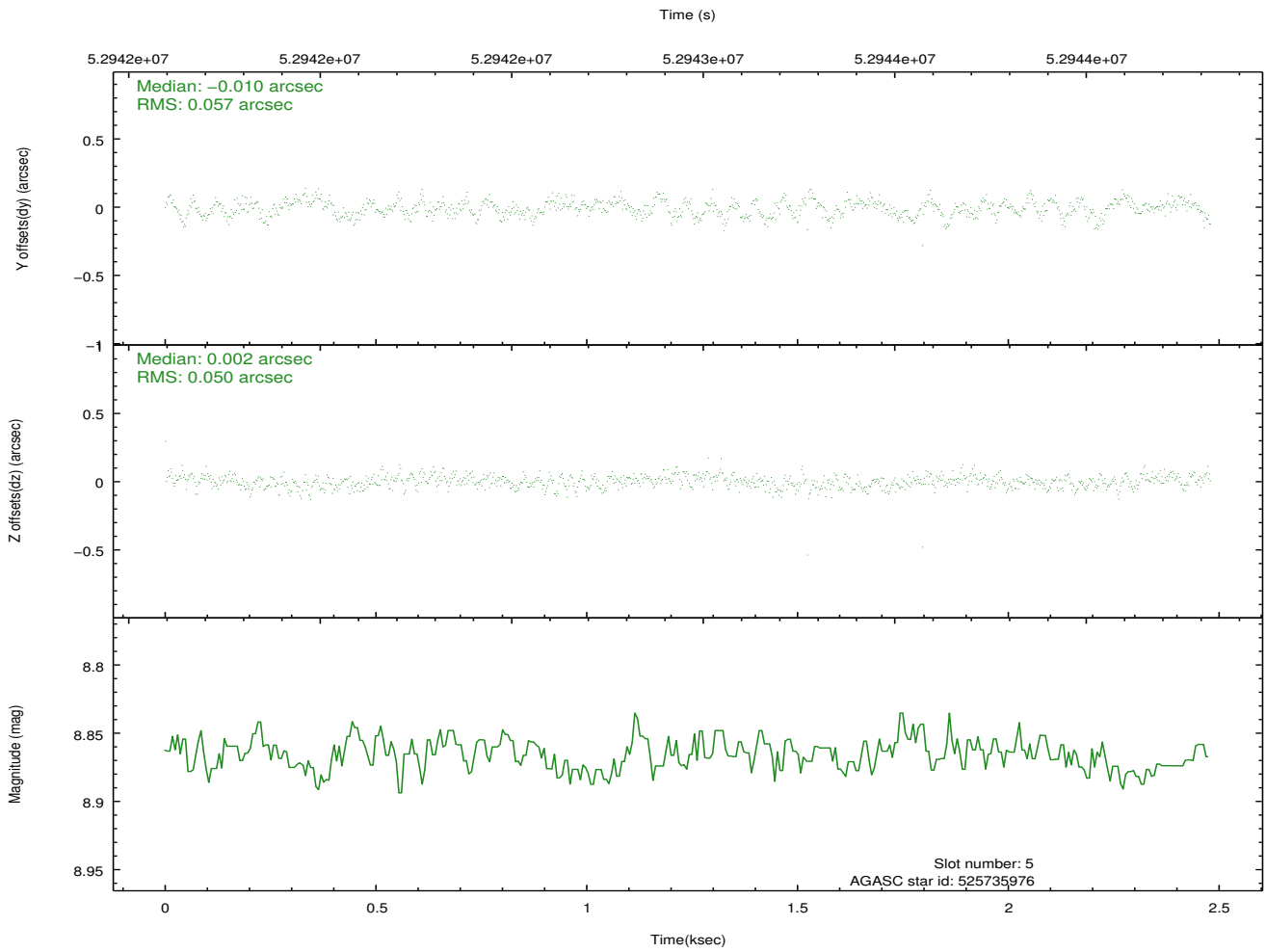
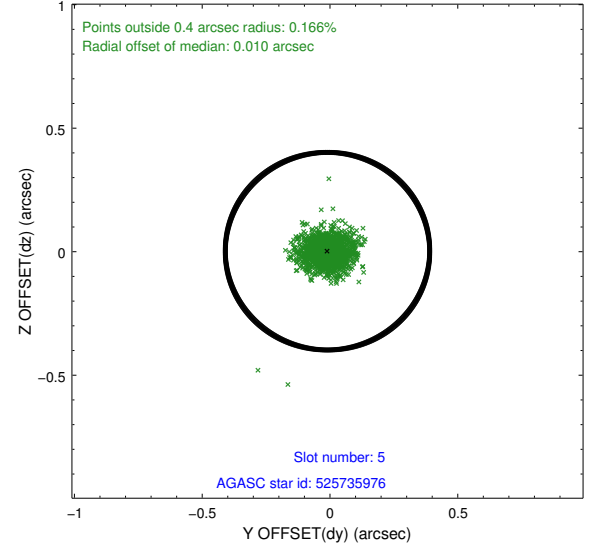
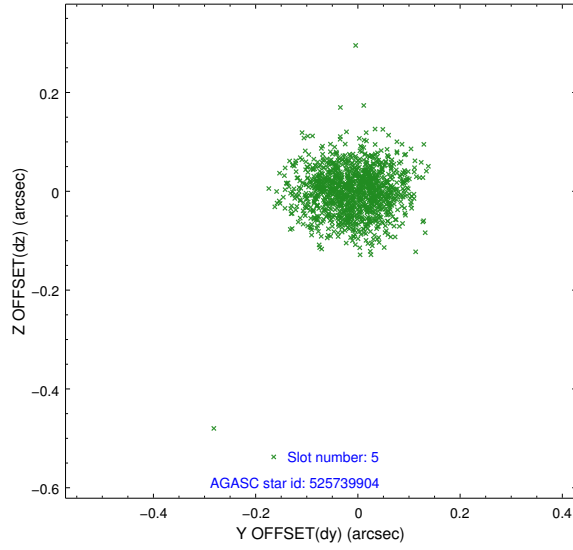
2.4.1 Slot 3



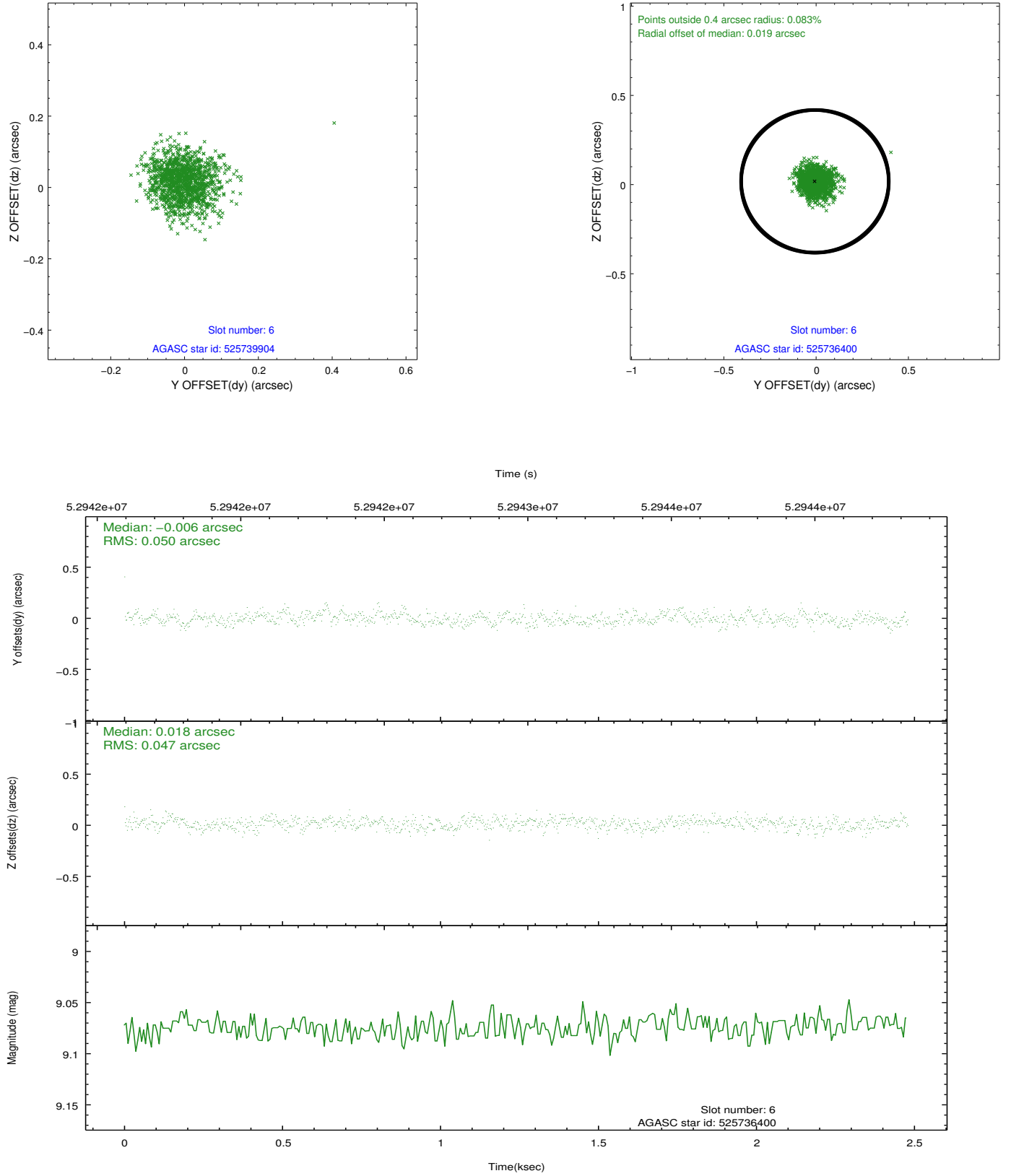
2.4.2 Slot 4



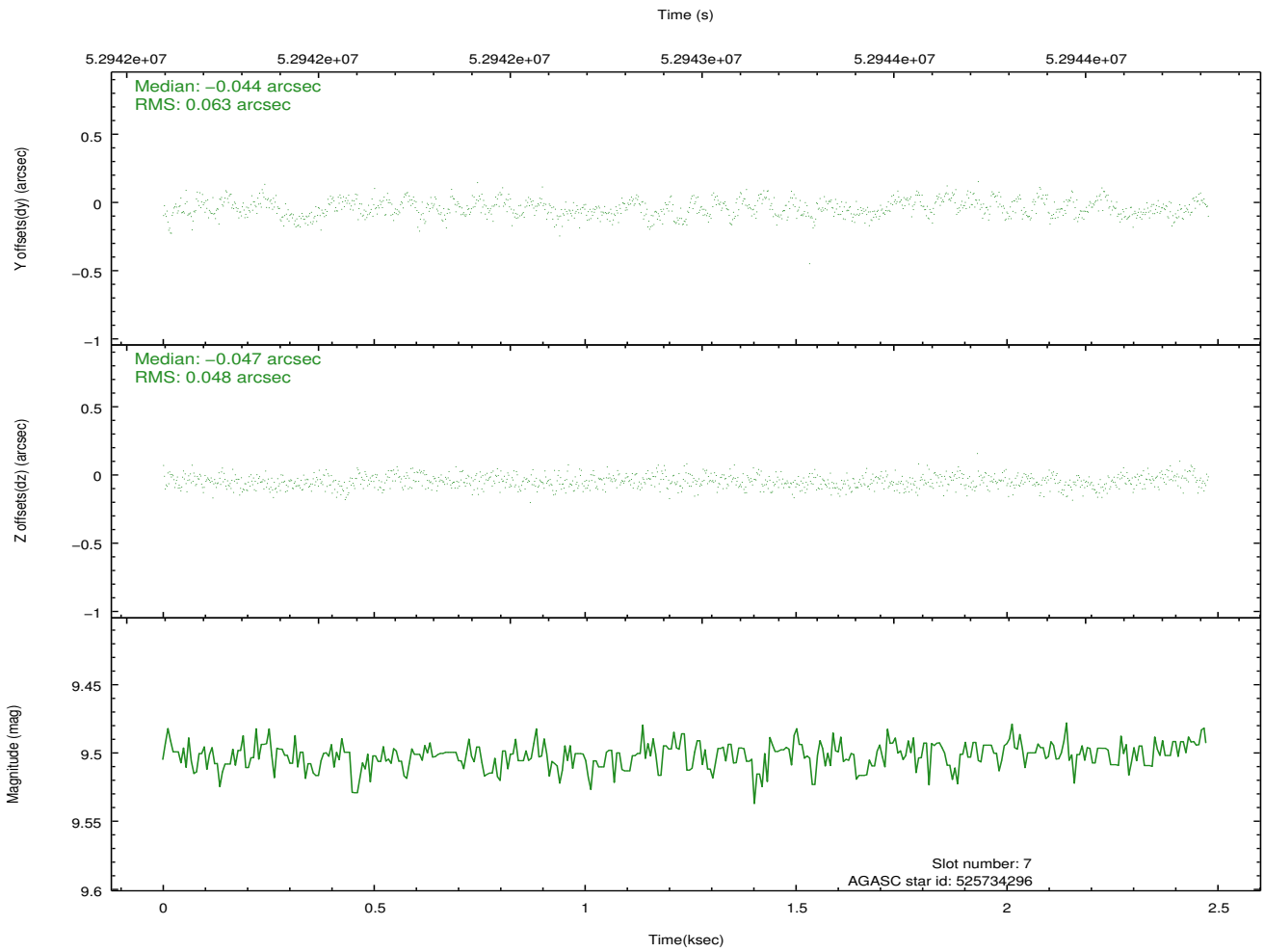
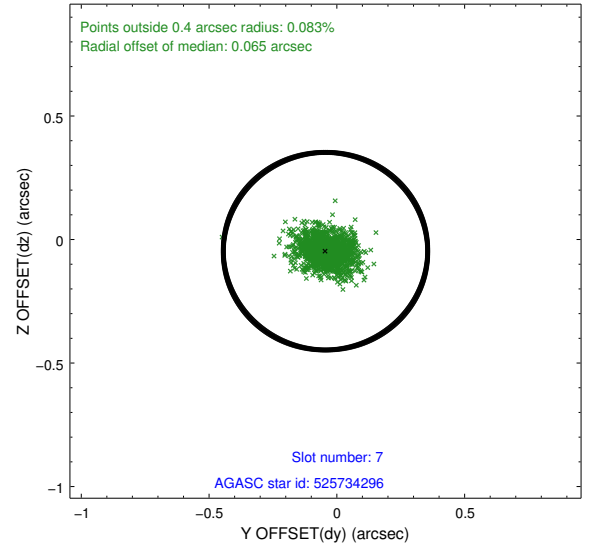
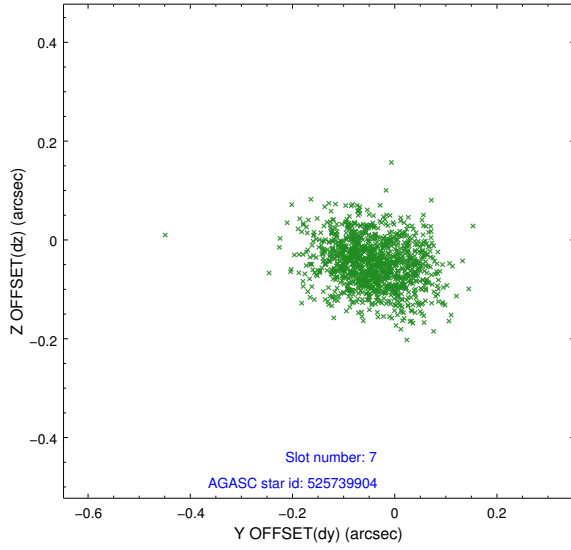
2.4.3 Slot 5



2.4.4 Slot 6

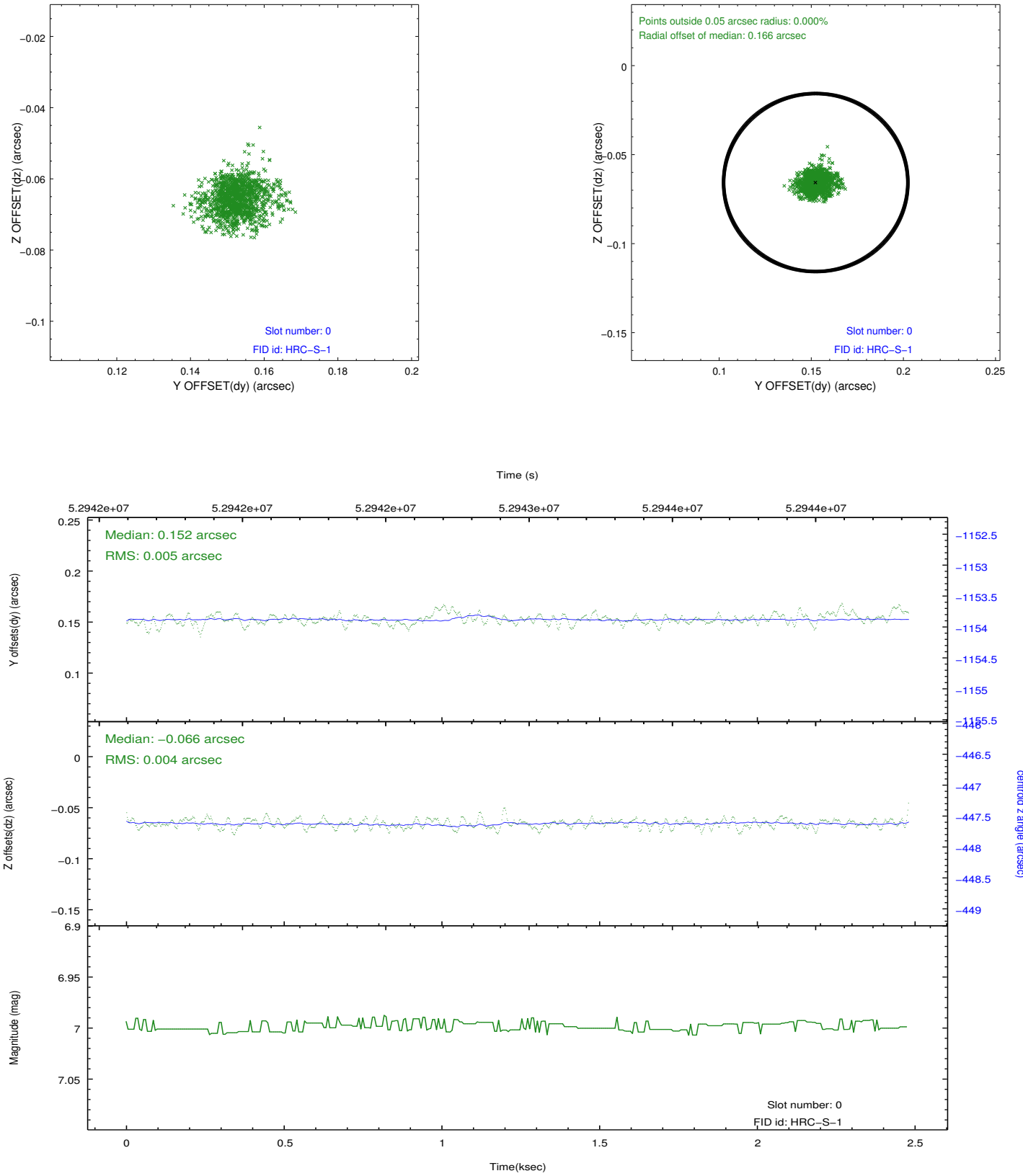


2.4.5 Slot 7

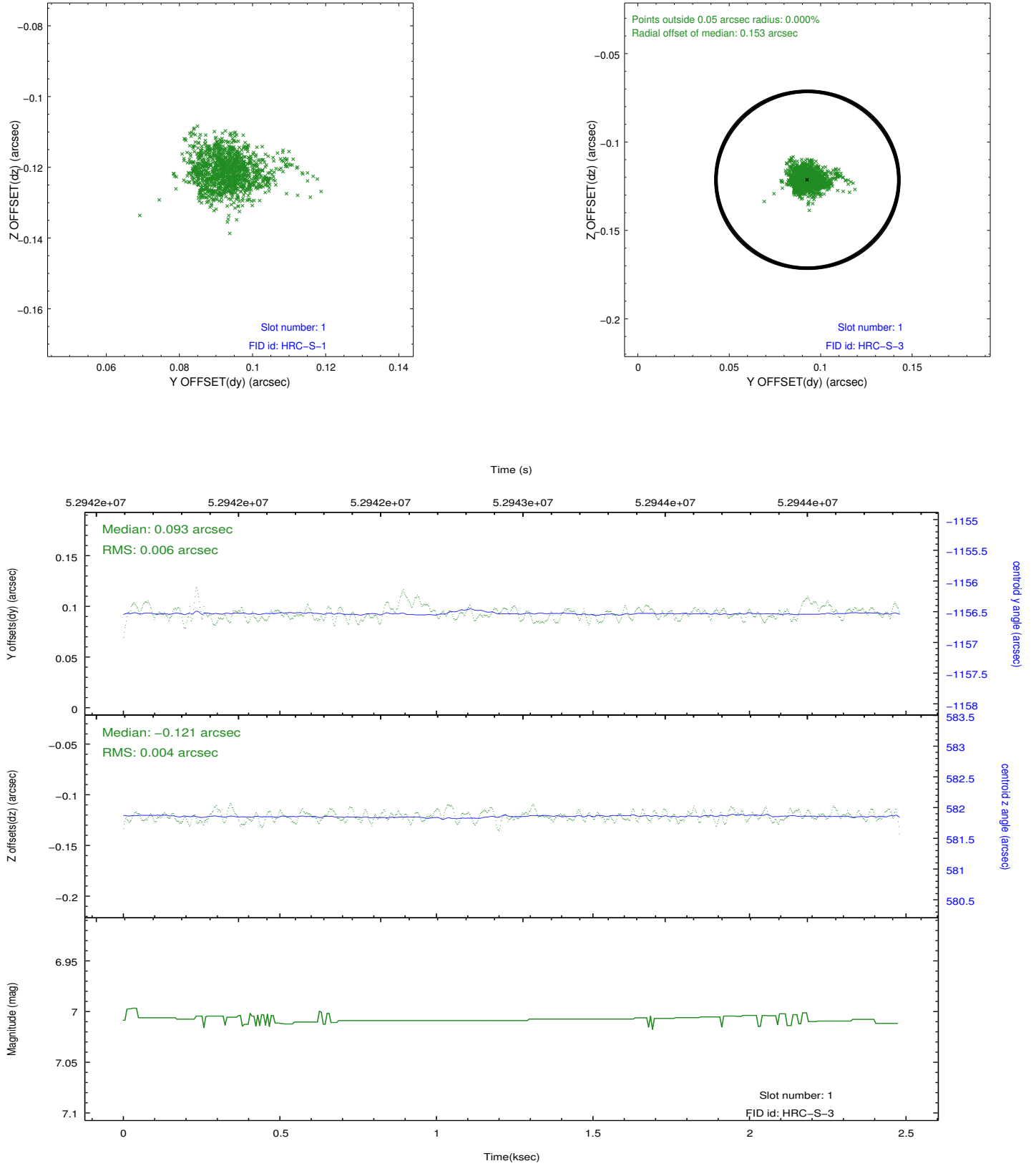


2.5 FID Slots

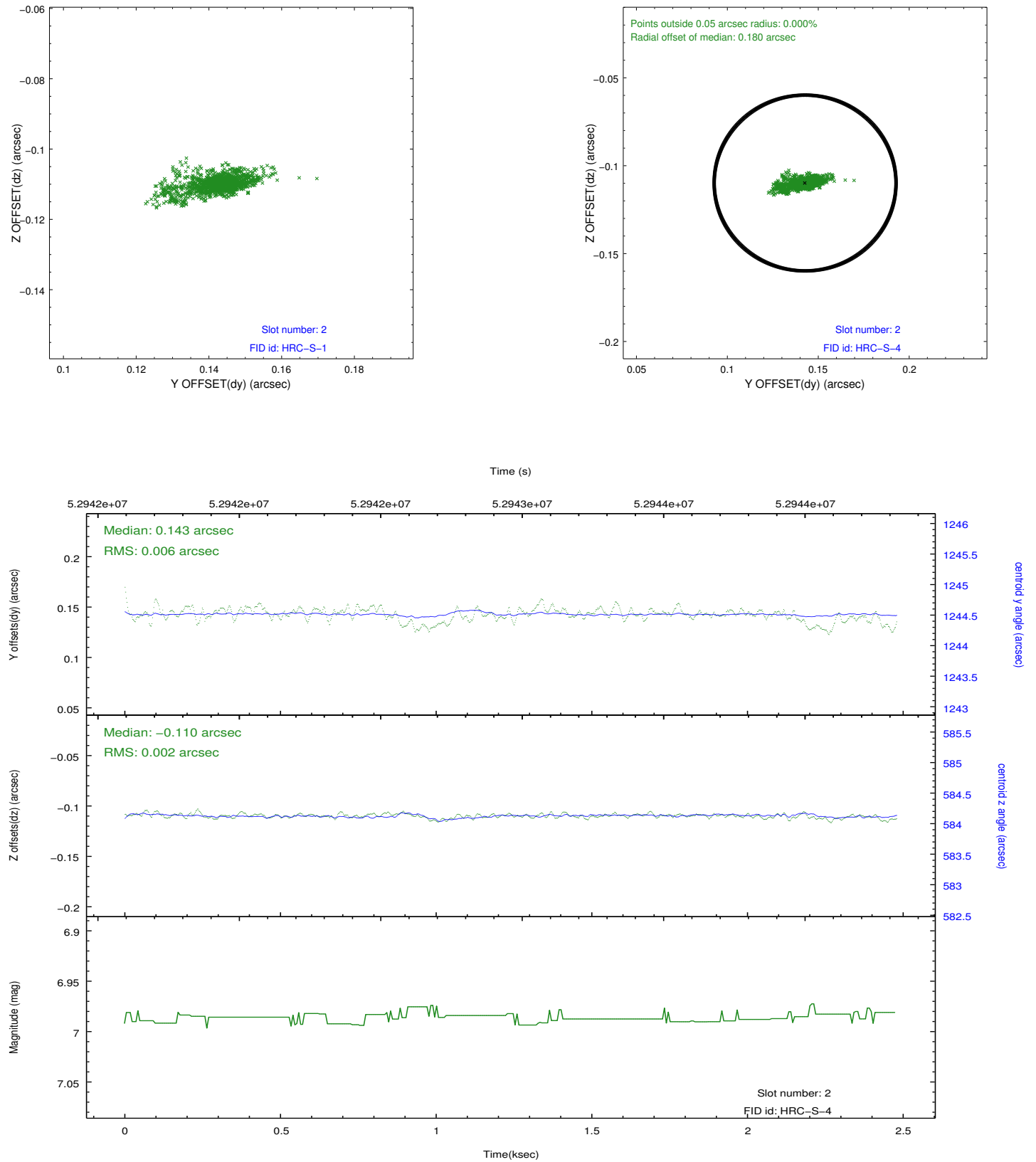
2.5.1 Slot 0



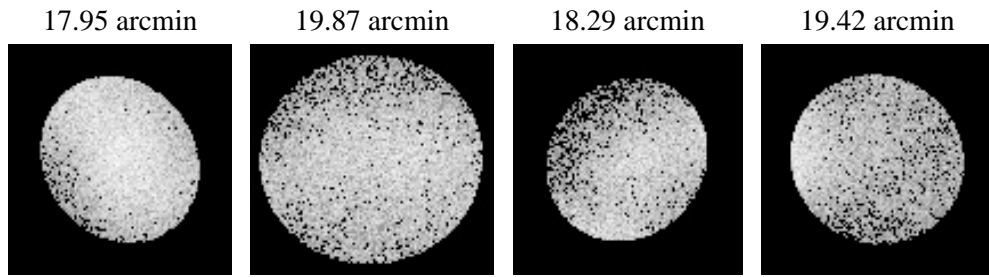
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.721

A.2 Comments

Charge time for this observation remains at original value of 1.721 ksec, although with the current processing the charge time would have been 1.723 ksec.

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This observation was performed with a large SIM offset, per PI request. As a result, the fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.