

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1467 - L2 Version 5

Chandra X-Ray Center

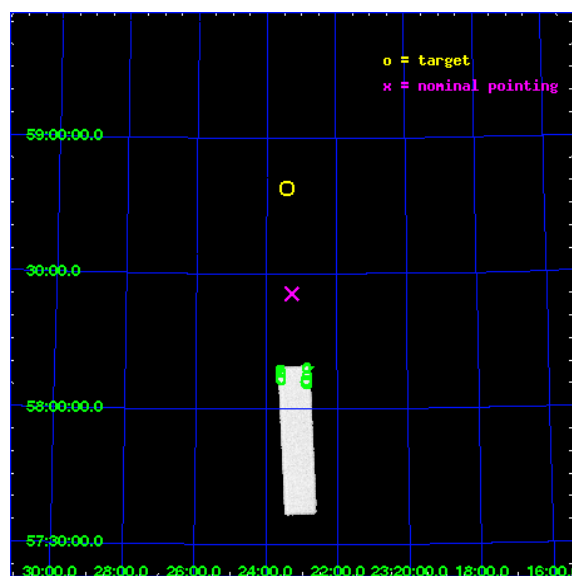
L2 Processing Date : Nov 24 2009

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1 Front

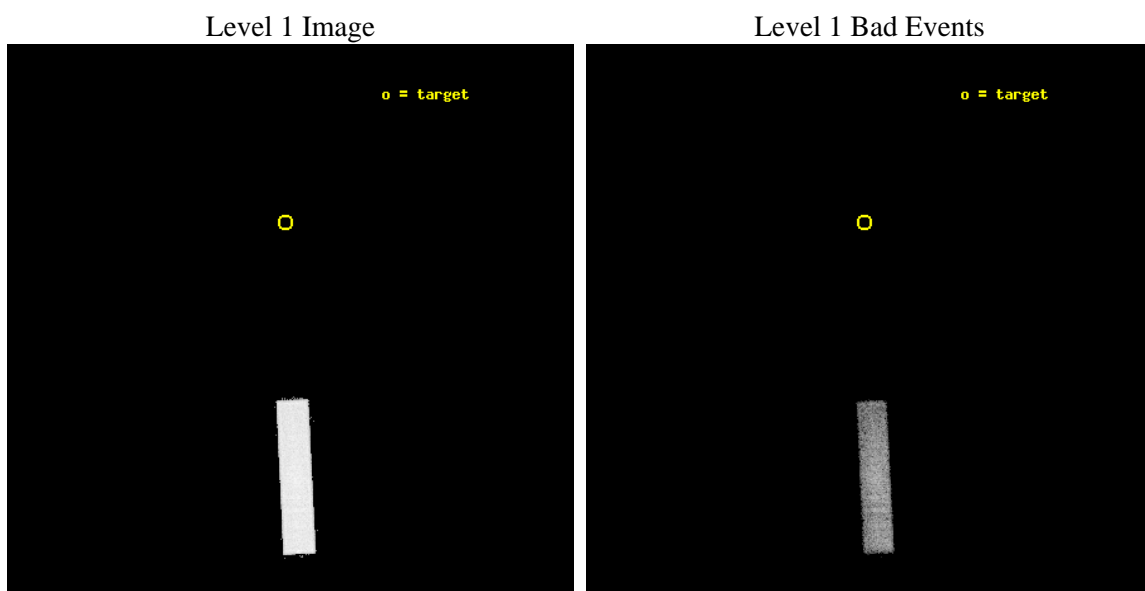
seq_num	590107	Sequence number
obs_id	1467	Observation id
title	HRC RESPONSE TO CASA	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [HRC-S, Offsets=23,0,0 -Y MCP]	Source name
ra_targ	350.8575	Observer's specified target RA
dec_targ	58.814833	Observer's specified target Dec
ra_nom	350.81975612736	Nominal RA
dec_nom	58.426419549375	Nominal Dec
roll_nom	267.24538918261	Nominal Roll
revision	5	Processing version of data
ontime	2113.8063263893	[s]
livetime	2100.7663924493	Ontime multiplied by DTCOR
l2events	63285	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	8.1.1	Processing system revision	ontime	2113.8063263893	[s]
caldbver	4.1.4	 	l1events	102287	Number of level 1 events
date	2009-11-24T15:51:21	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

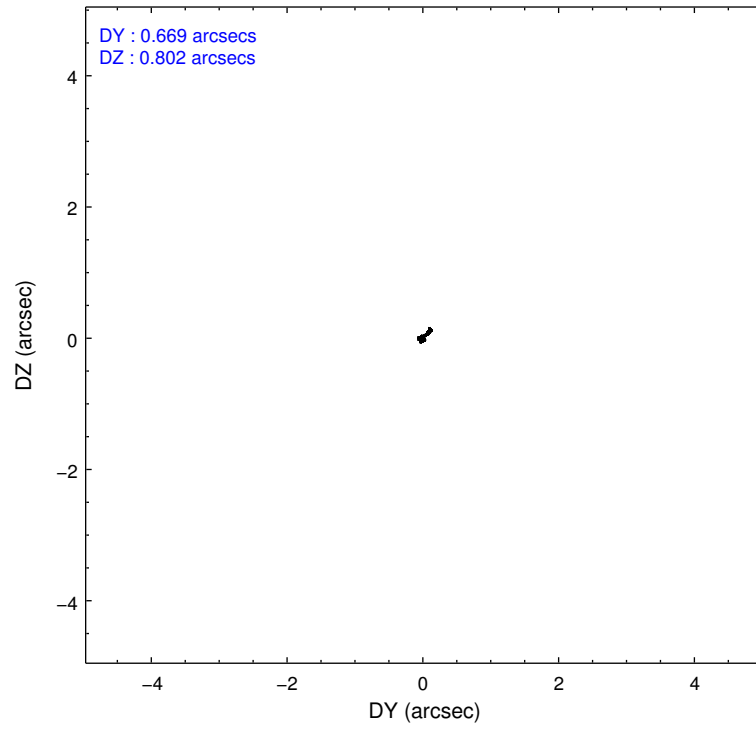
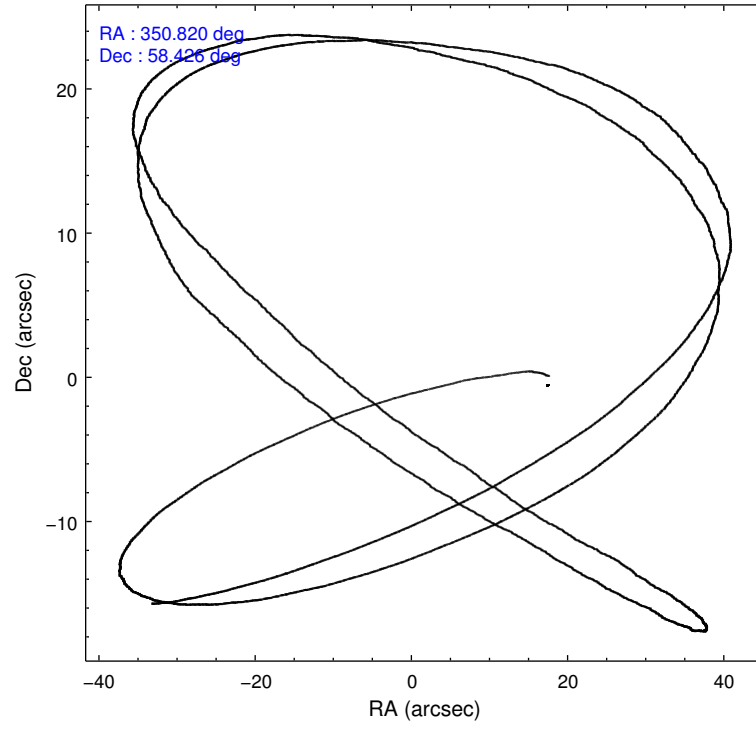
	segment 1	segment 2	segment 3
level 1 events	0	53	102234
rejected events	0	37	31031
rejected %	0%	69%	30%

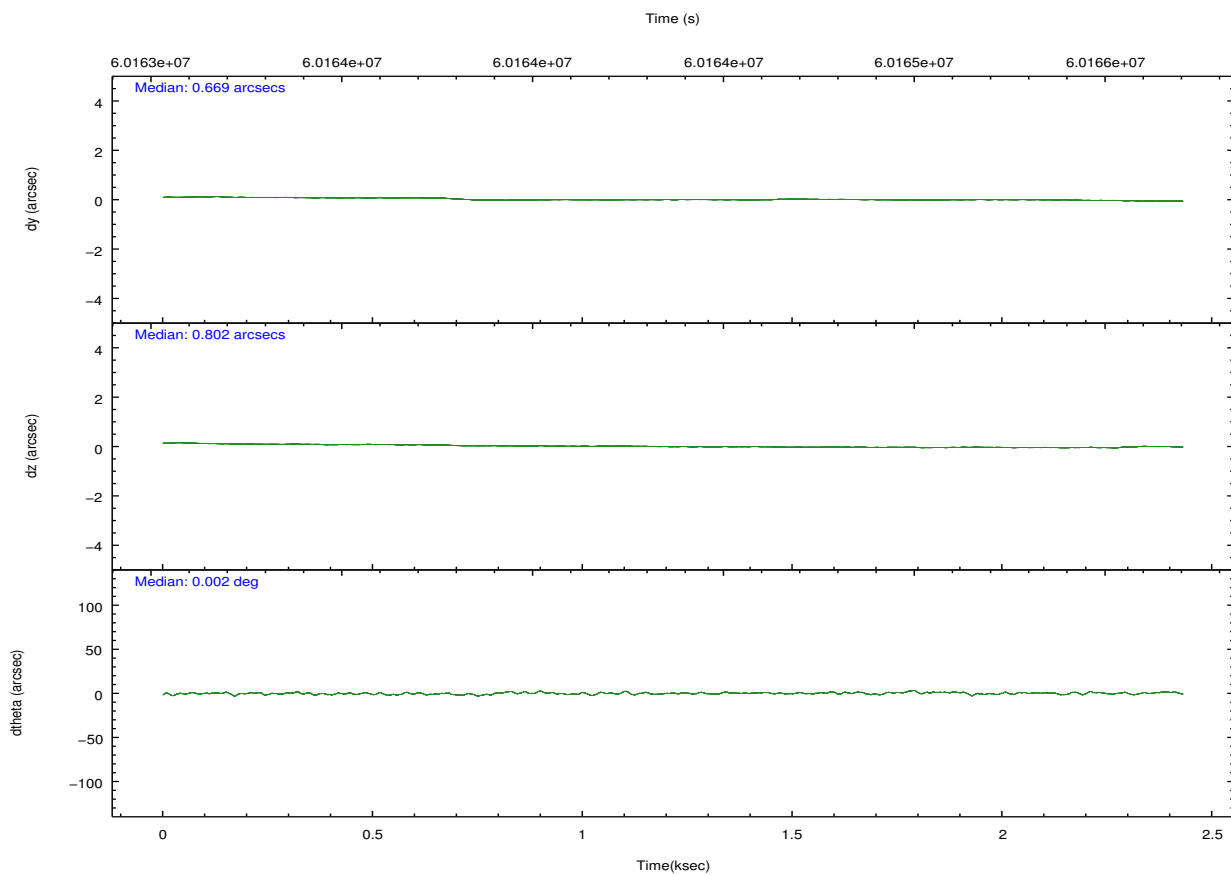
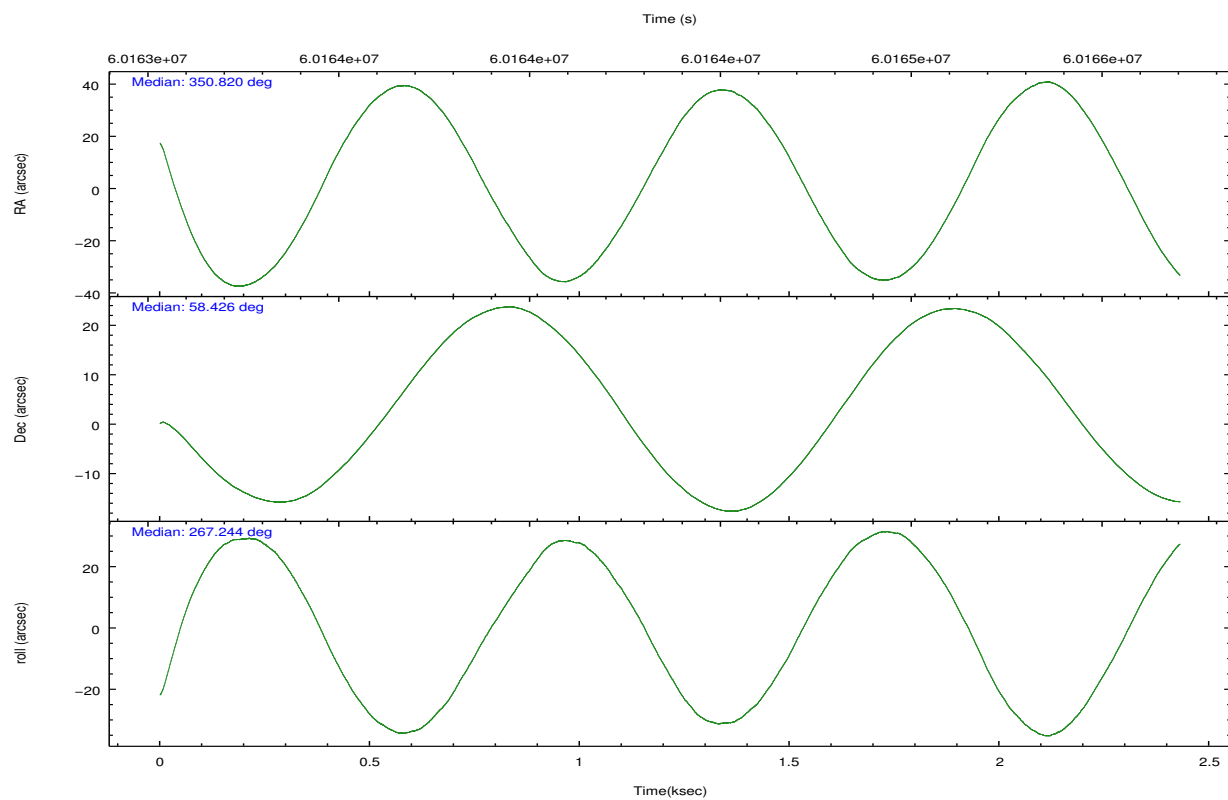
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	350.792939	350.8197561273647
Pointing Dec	58.452049	58.42641954937548
Pointing Roll	267.200899	267.2453891826092
SIM focus pos (mm)	-1.429586	-1.529138823096549
SIM defocus (mm)	0.1037507710433287	0.004197816307747848
SIM translation stage pos (mm)	250.455976	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	60163584.184000	60162464.580052
Observation start date	1999-11-28T08:05:20	1999-11-28T07:47:44
Observation end time	60165584.184000	60166413.392695
Observation end date	1999-11-28T08:38:40	1999-11-28T08:53:33

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

2.3 Aspect



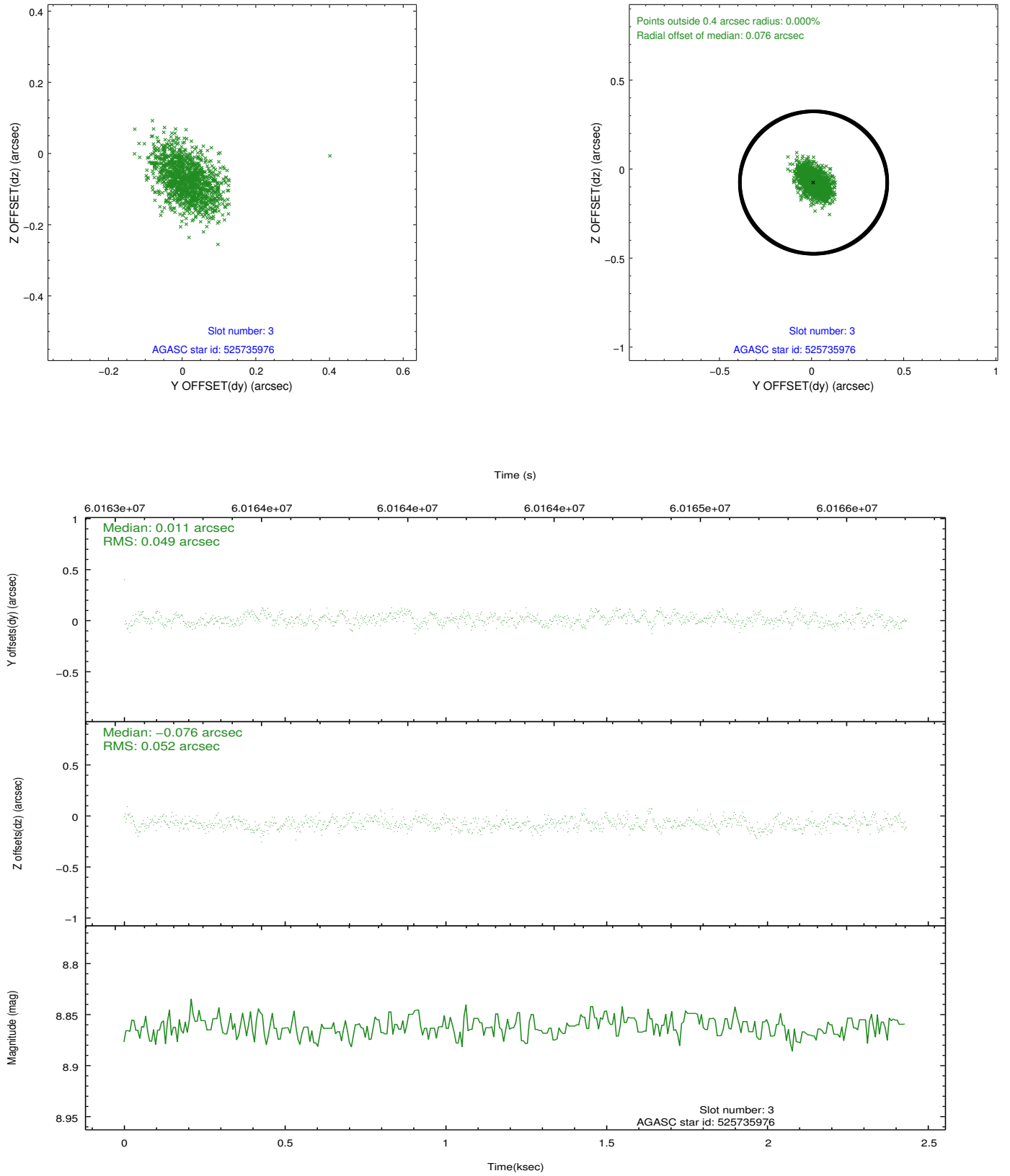


Slot Statistics

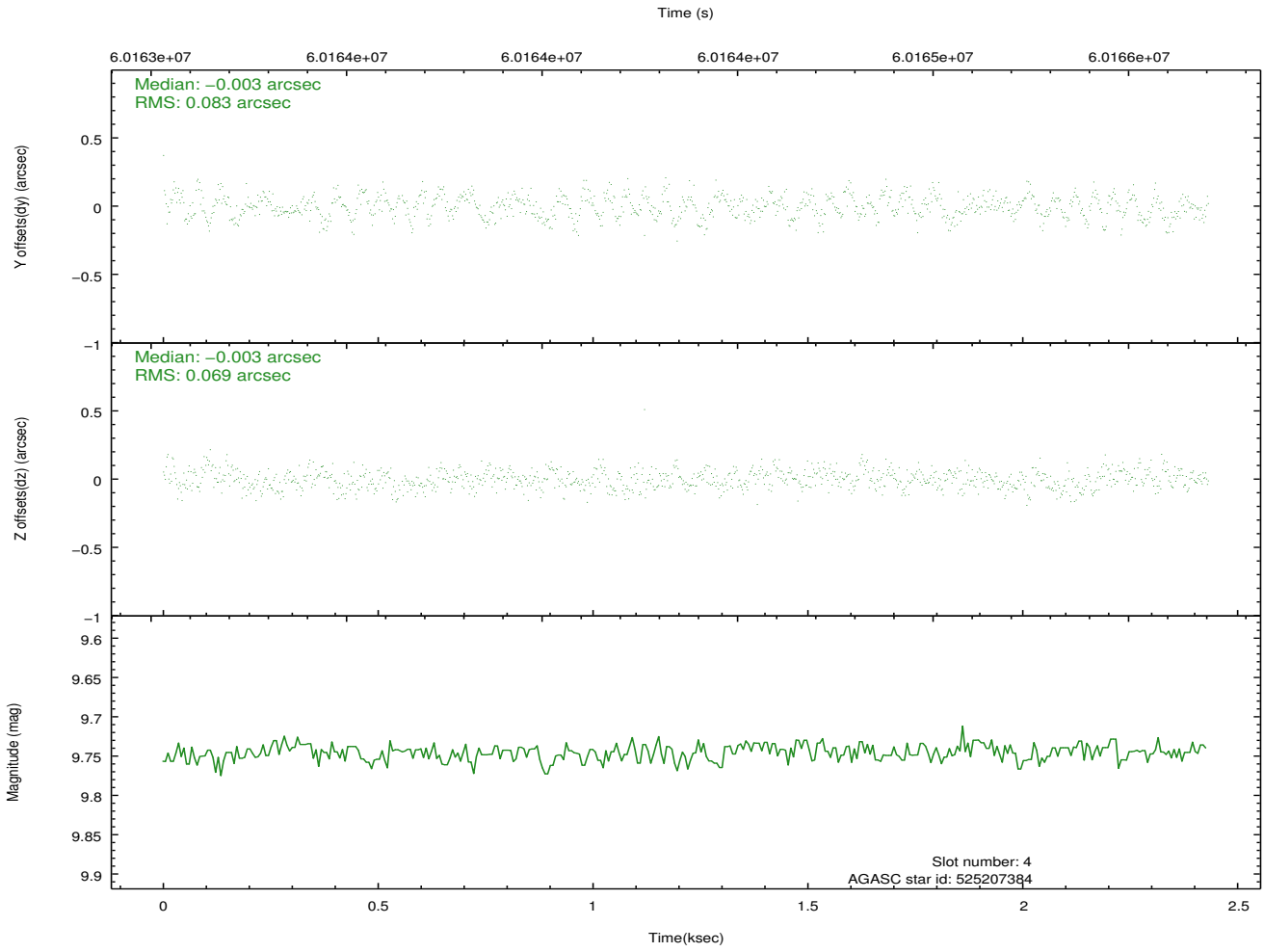
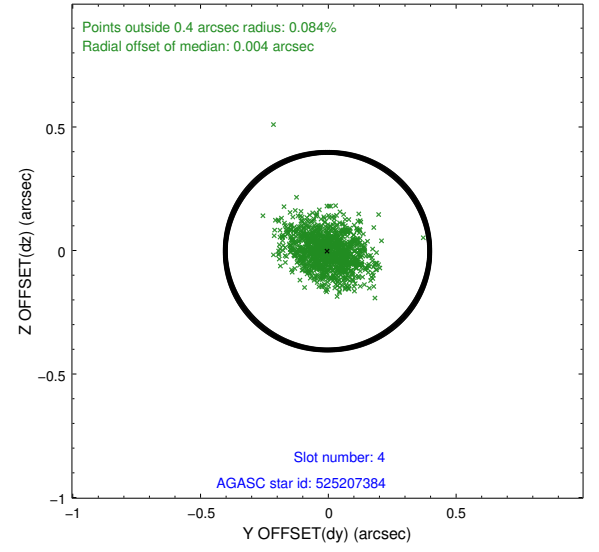
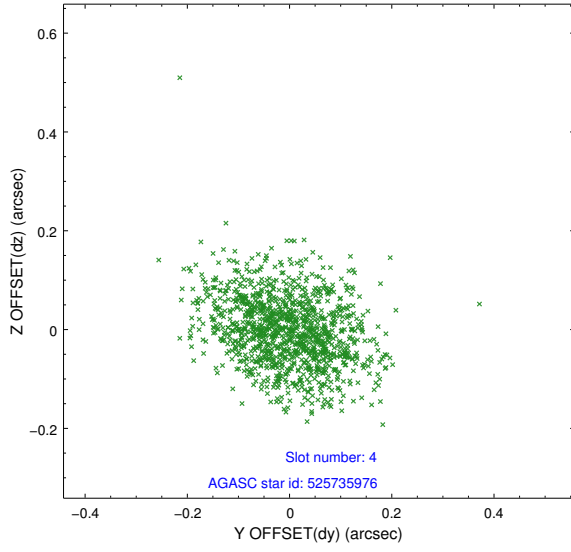
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	1187	0.141	-0.140	0.008	0.017	0.000000	0.000000	-1154.71	-449.09
1	FID	HRC-S-3	7.01	1187	0.108	-0.052	0.009	0.019	0.000000	0.000000	-1158.35	580.14
2	FID	HRC-S-4	6.97	1187	0.138	-0.105	0.005	0.009	0.000000	0.000000	1242.64	583.30
3	GUIDE	525735976	8.86	1187	0.011	-0.076	0.074	0.119	350.142956	58.277622	680.77	-1198.71
4	GUIDE	525207384	9.75	1185	-0.003	-0.003	0.113	0.184	351.880308	58.083642	1206.84	2129.86
5	GUIDE	525739240	9.64	1186	-0.013	0.084	0.102	0.169	350.642893	59.099564	-2314.63	-389.29
6	GUIDE	525739944	9.71	1186	-0.083	-0.031	0.108	0.172	351.115137	58.944976	-1805.77	510.36
7	GUIDE	525208776	9.90	1185	0.087	0.026	0.141	0.223	350.189365	57.873825	2128.41	-1052.39

2.4 Star Slots

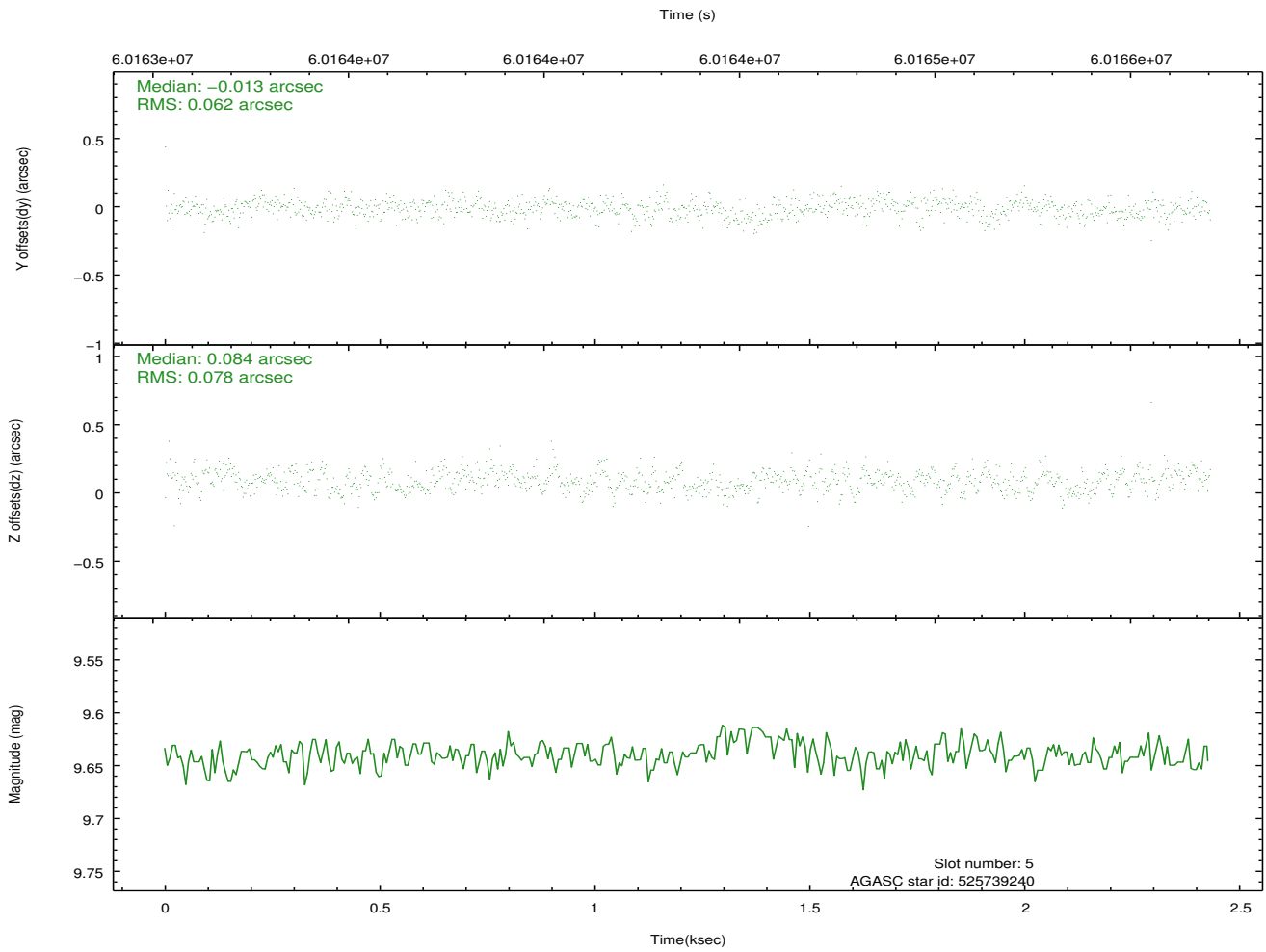
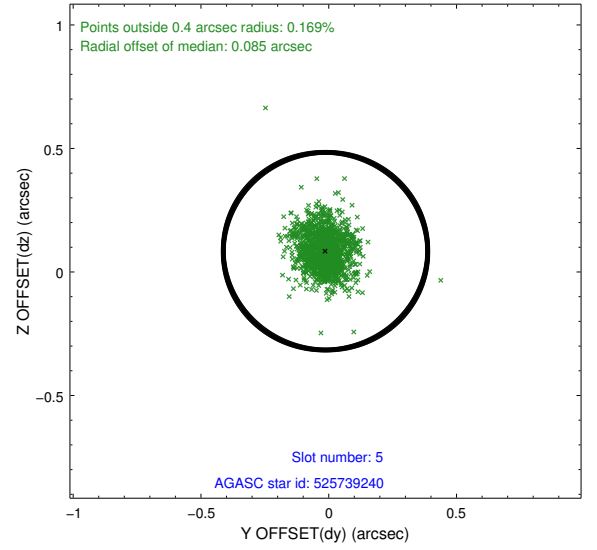
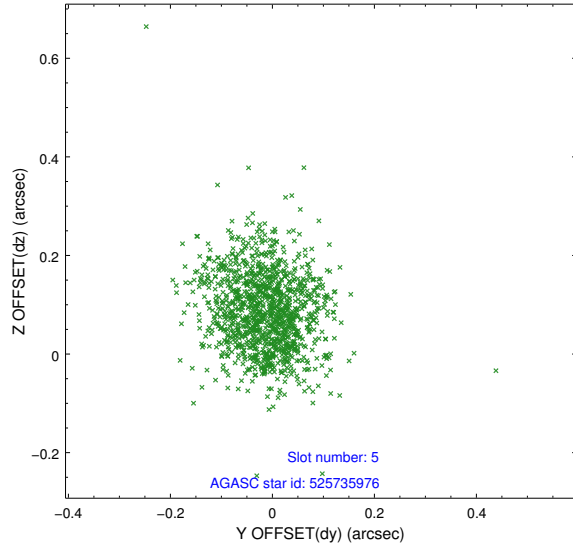
2.4.1 Slot 3



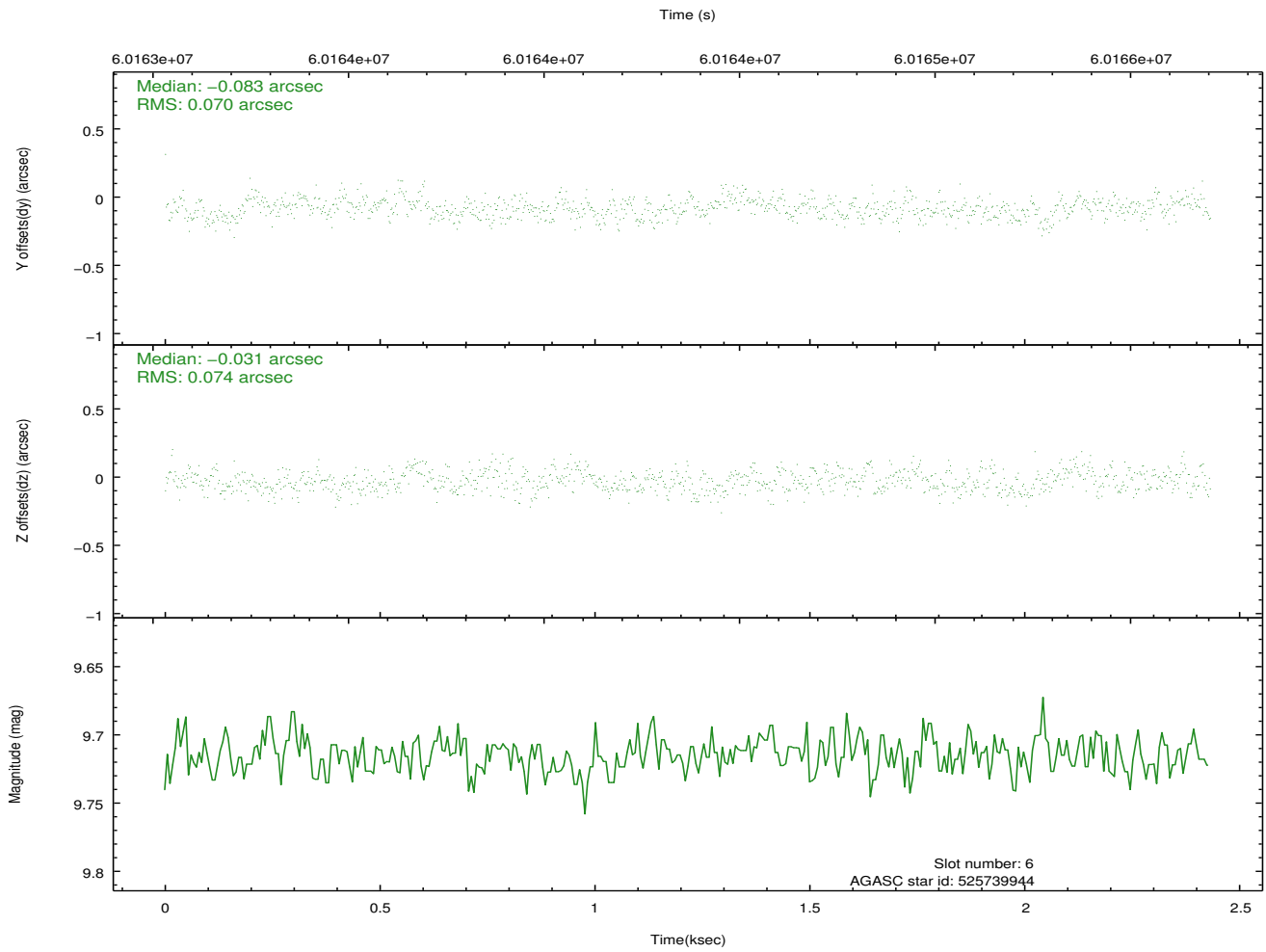
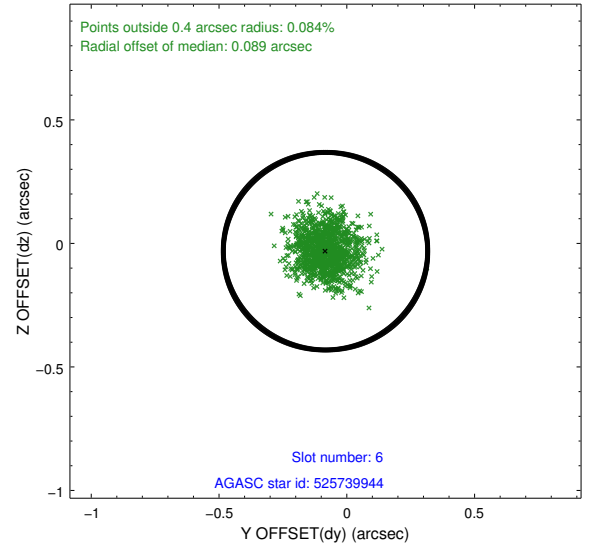
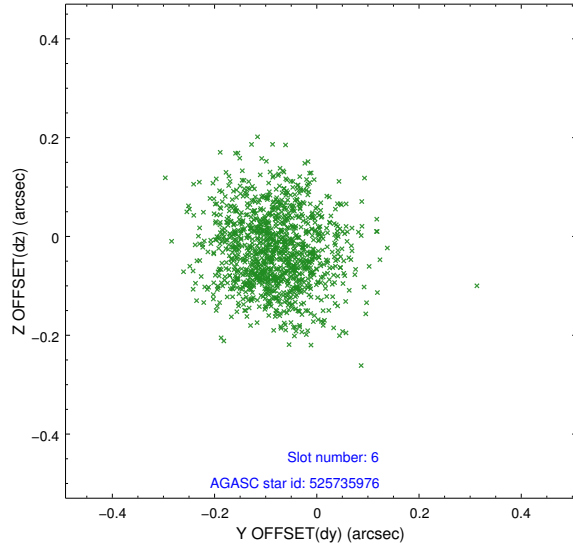
2.4.2 Slot 4



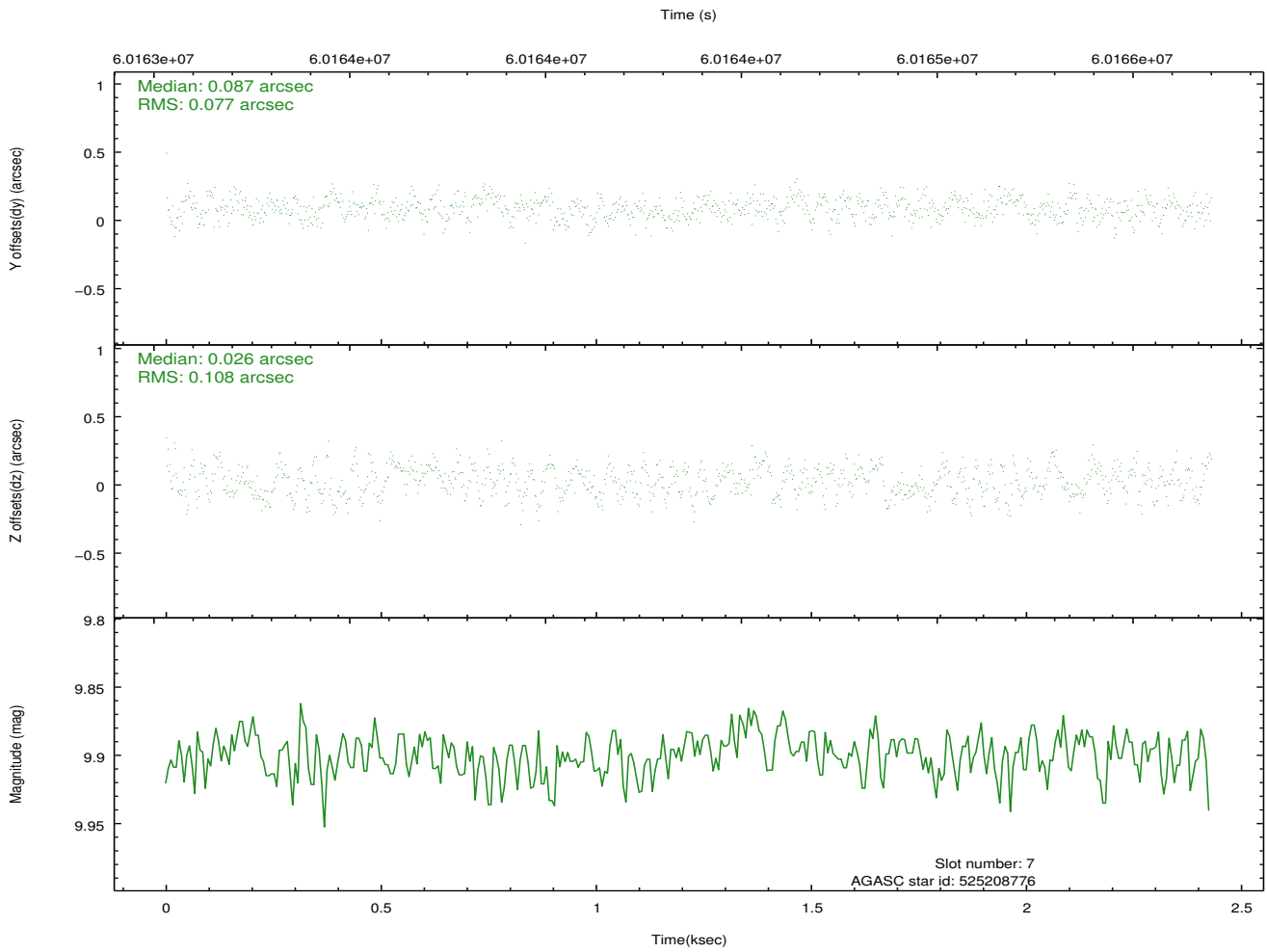
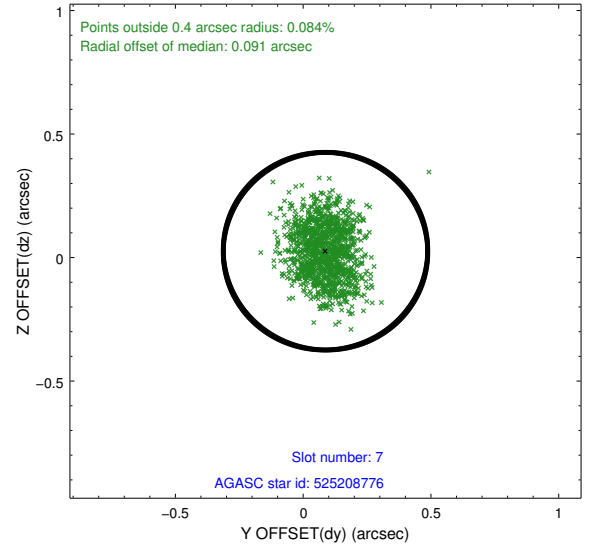
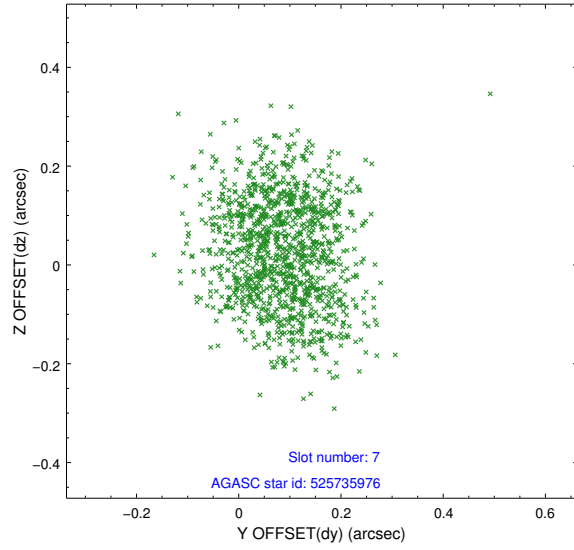
2.4.3 Slot 5



2.4.4 Slot 6

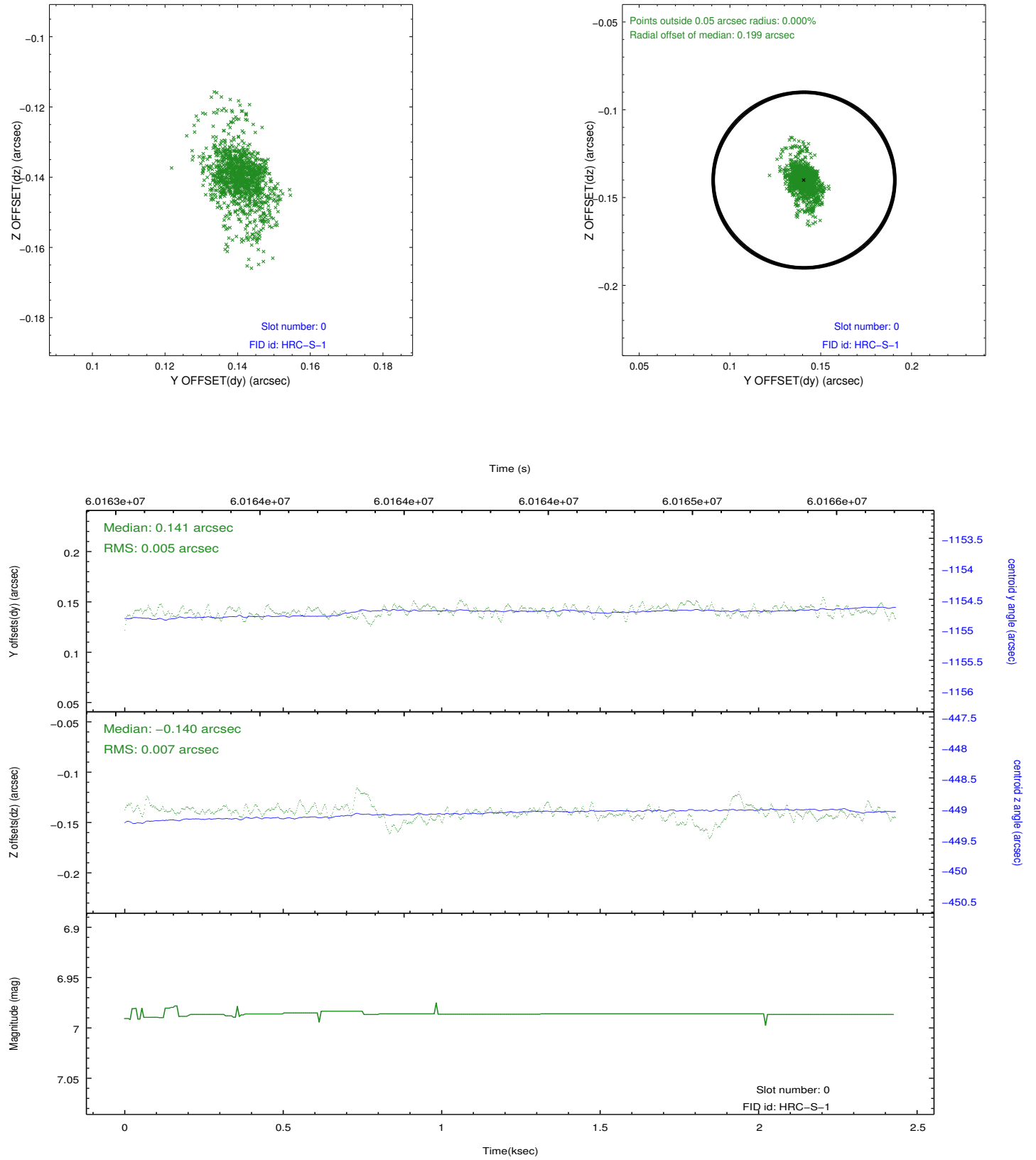


2.4.5 Slot 7

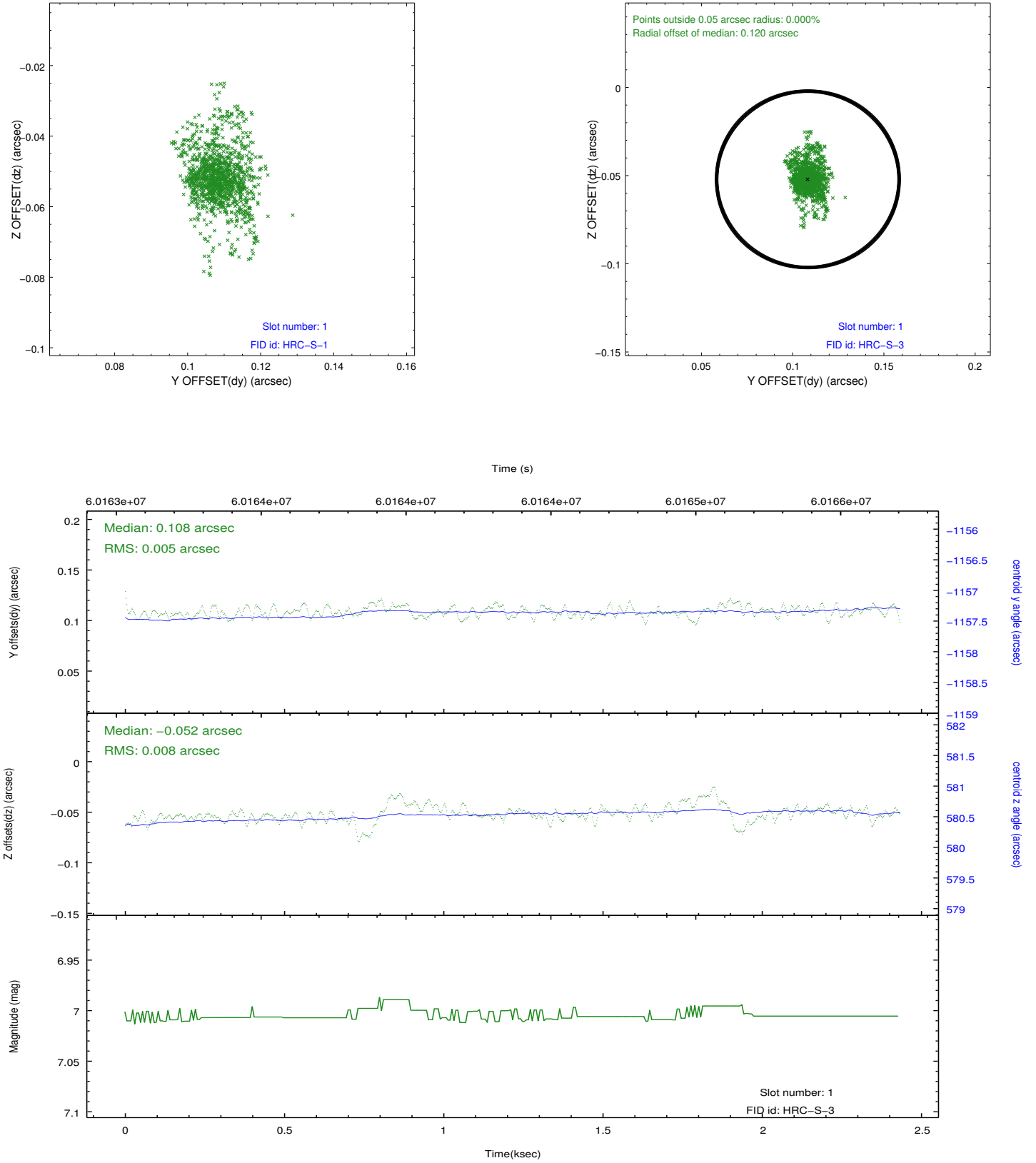


2.5 FID Slots

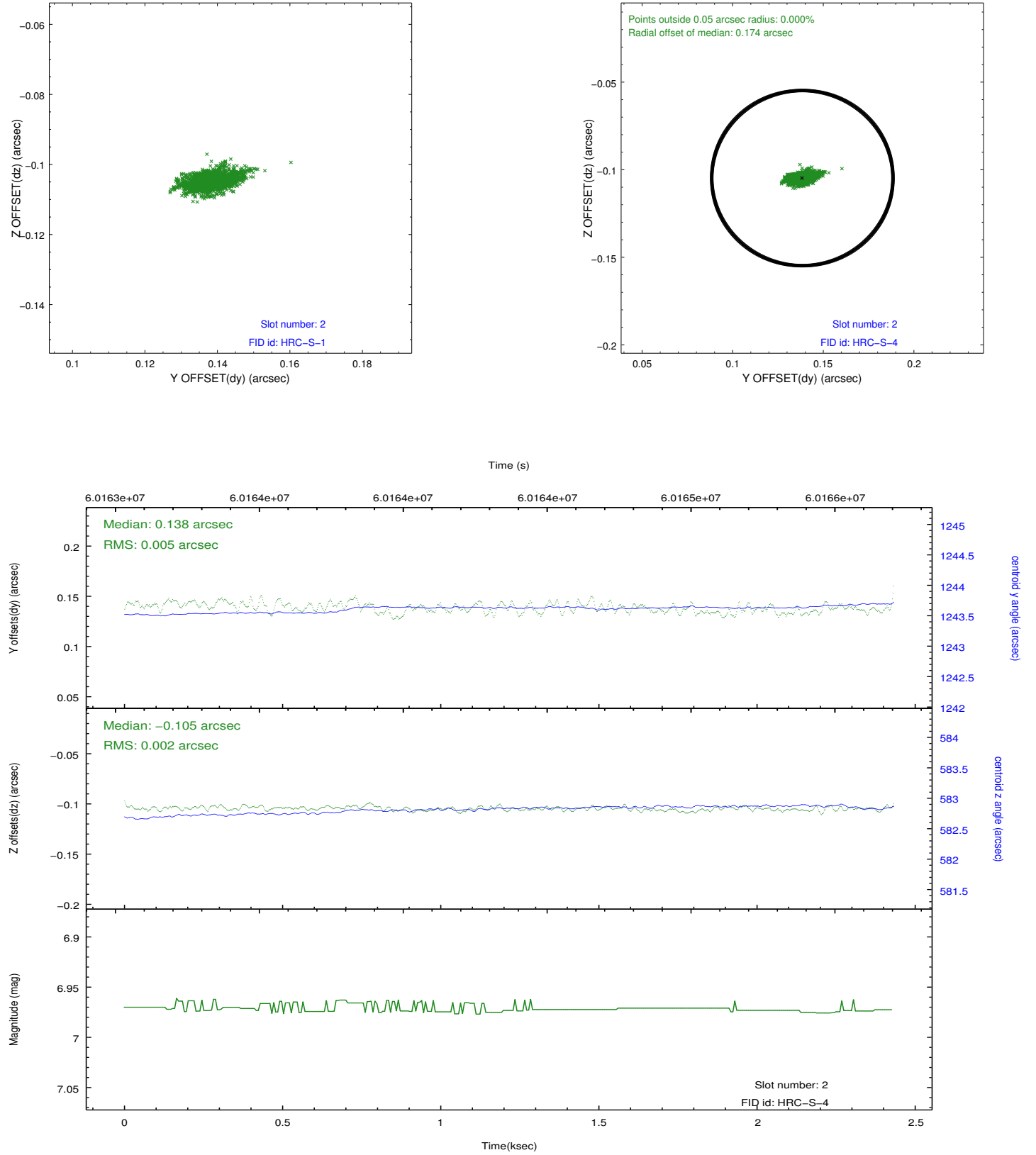
2.5.1 Slot 0



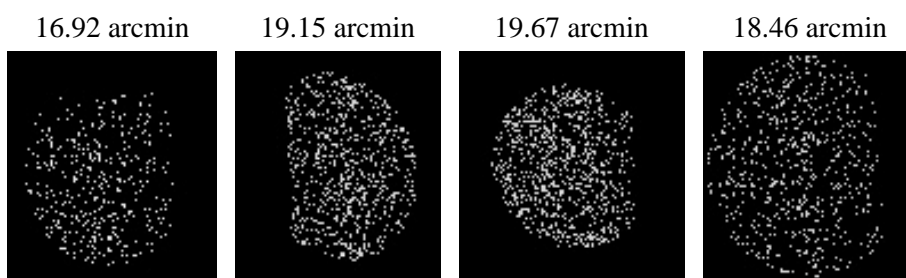
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.12.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.113

A.2 Comments

HRC-S standard candle

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The intended source, Cas A, is not visible on the chip. The coordinates of the object indicate that it is well off the chip. The chip is also well off-axis.