

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1378 - L2 Version 4

Chandra X-Ray Center

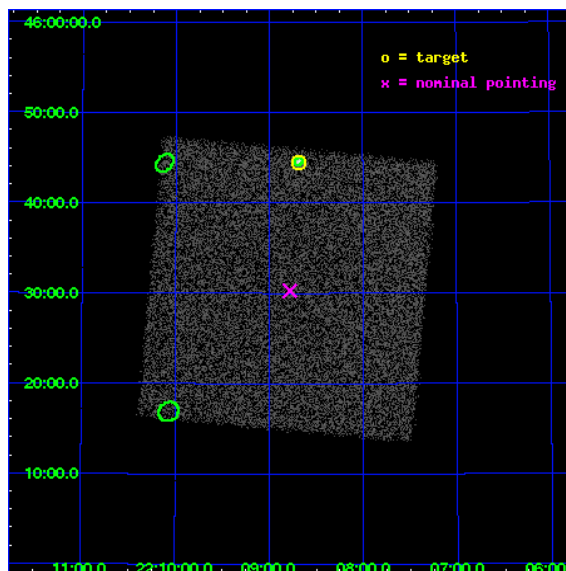
L2 Processing Date : Nov 19 2009

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1 Front

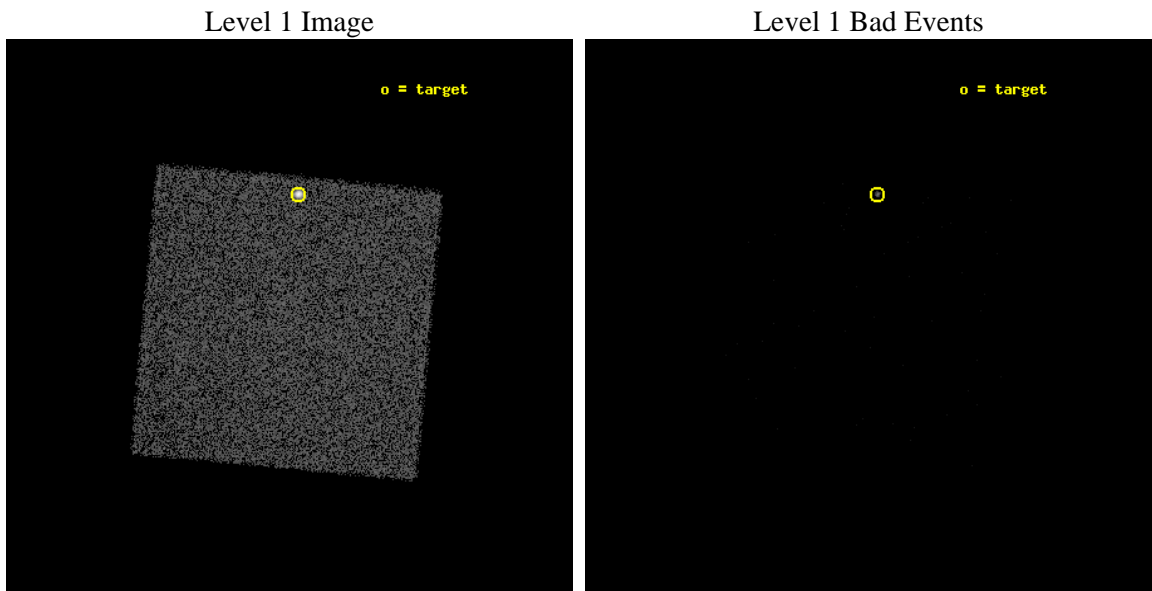
seq_num	280328	Sequence number
obs_id	1378	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.19486596248	Nominal RA
dec_nom	45.504738019353	Nominal Dec
roll_nom	230.33111863627	Nominal Roll
revision	4	Processing version of data
ontime	1275.3562959433	[s]
livetime	1266.6014442913	Ontime multiplied by DTCOR
l2events	41685	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	1000.000000	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	1275.3562959433	[s]
caldbver	4.1.4	 	l1events	66980	Number of level 1 events
date	2009-11-19T08:34:01	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

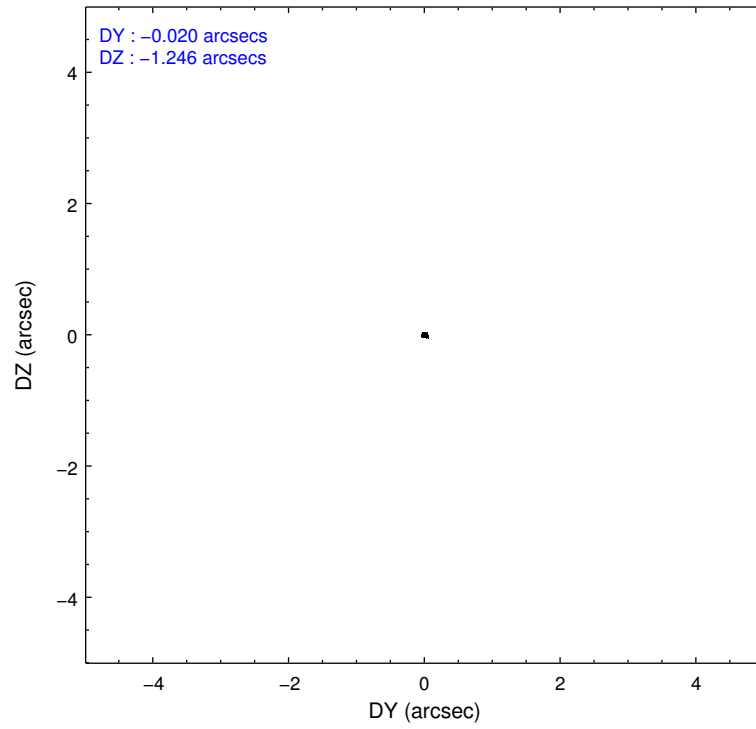
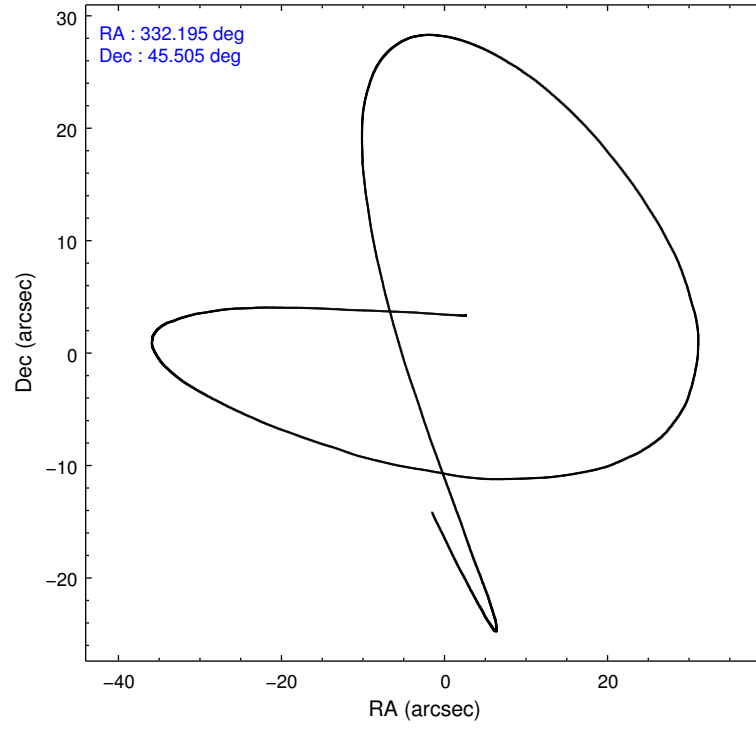
Level 1 Events

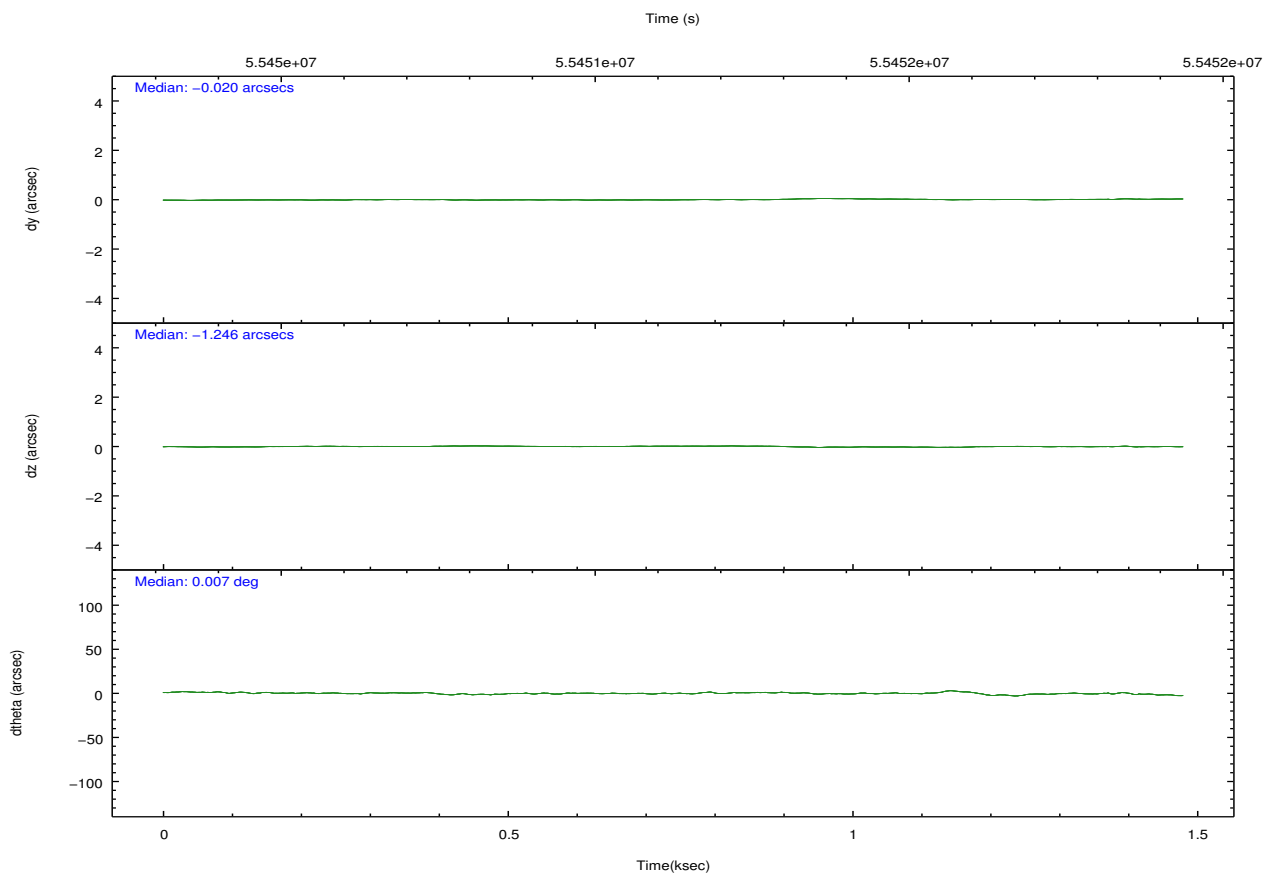
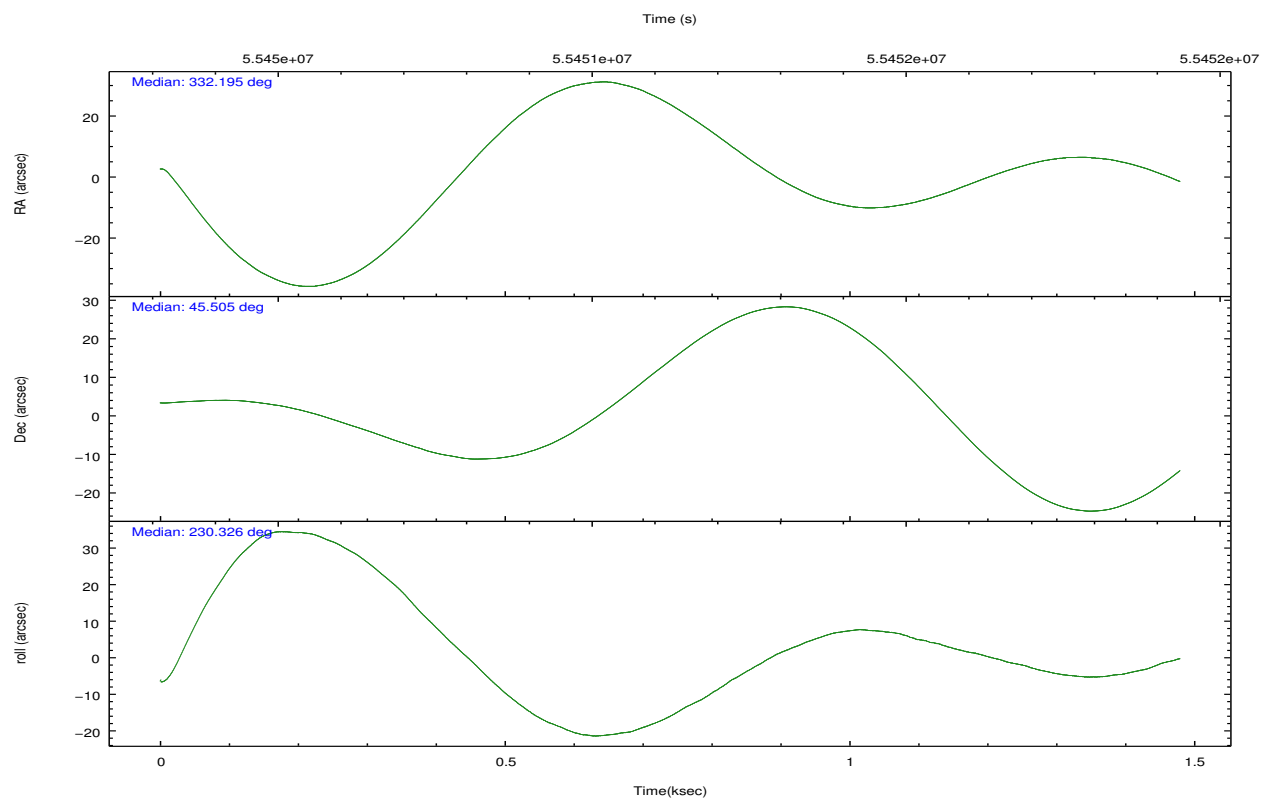
	segment 0
level 1 events	66980
rejected events	2551
rejected %	3%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.202357	332.1948659624815			
Pointing Dec	45.532537	45.50473801935262			
Pointing Roll	230.421243	230.3311186362735			
SIM focus pos (mm)	-0.040293	-0.2342646132009995			
SIM defocus (mm)	1	0.806028007457875			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	55450864.184000	55450197.57254			
Observation start date	1999-10-04T19:00:00	1999-10-04T18:49:57			
Observation end time	55451864.184000	55451997.472605			
Observation end date	1999-10-04T19:16:40	1999-10-04T19:19:57			

2.3 Aspect



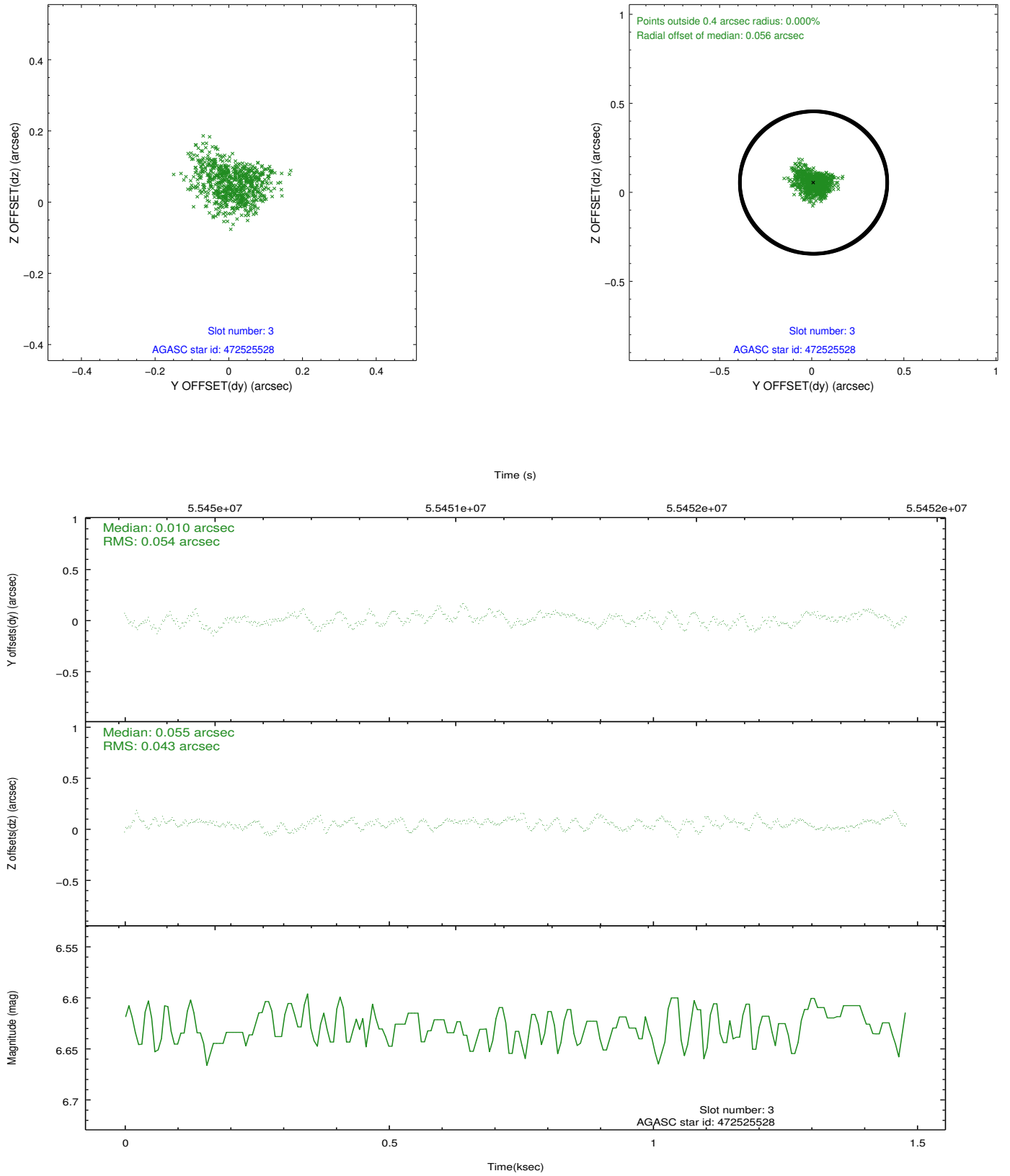


Slot Statistics

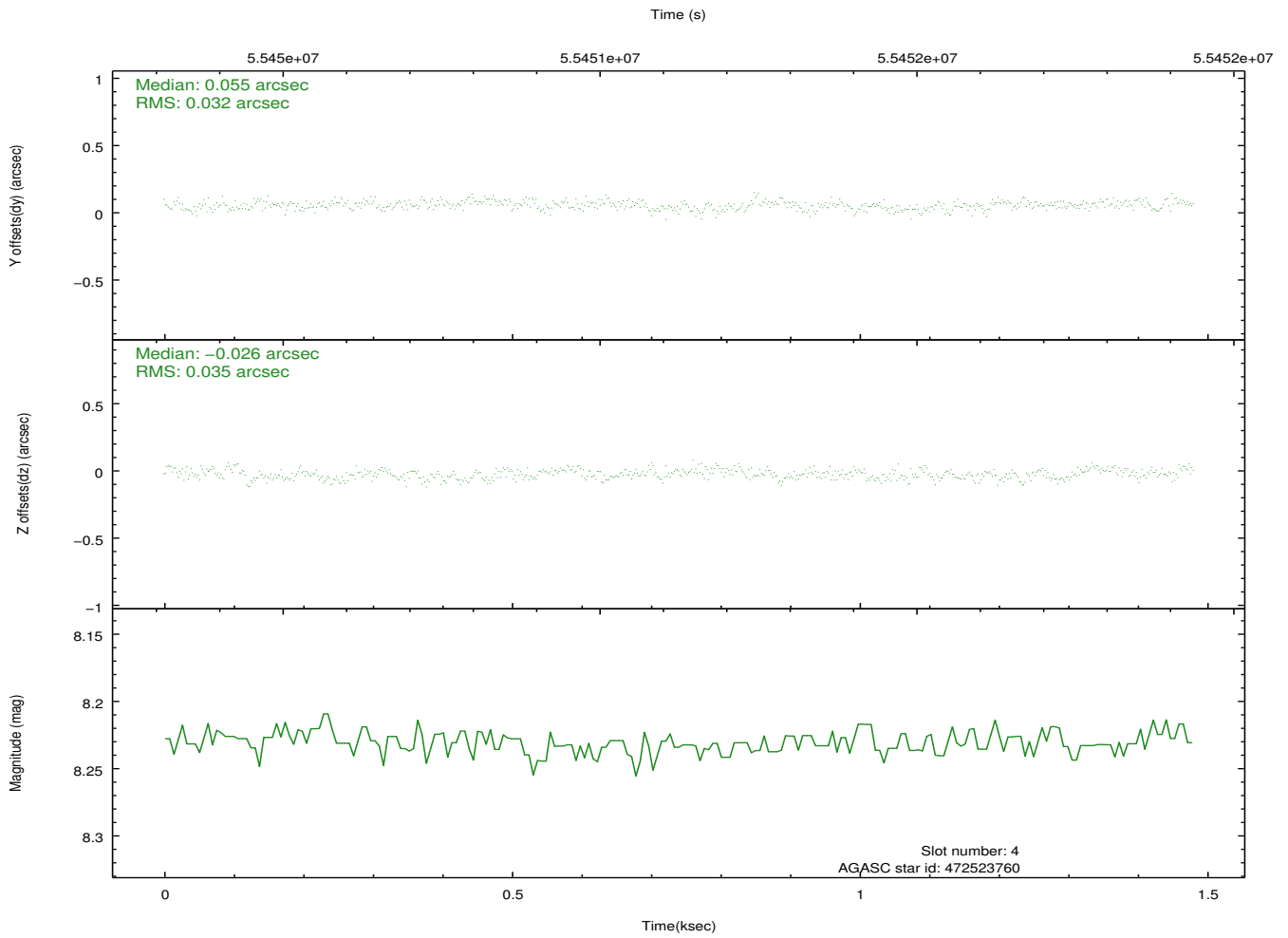
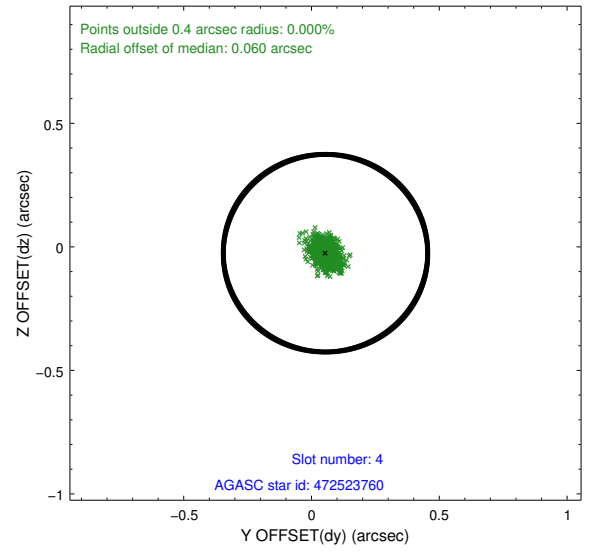
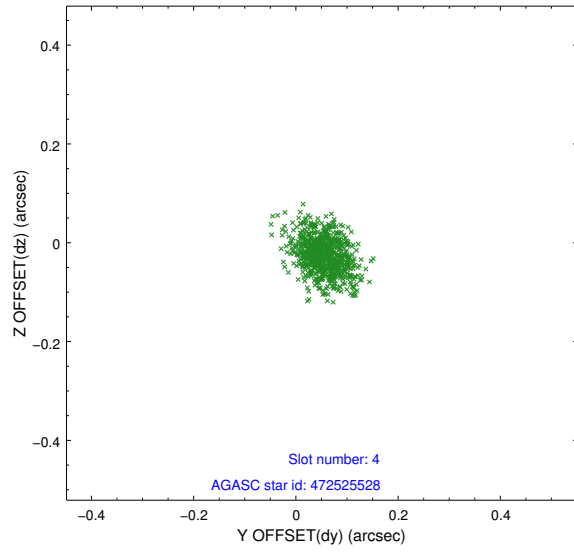
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	723	0.050	-0.022	0.012	0.028	0.000000	0.000000	-755.36	-1286.56
1	FID	HRC-I-3	7.05	723	0.047	-0.024	0.014	0.037	0.000000	0.000000	-1184.99	1016.39
2	FID	HRC-I-4	7.00	723	0.017	-0.043	0.011	0.024	0.000000	0.000000	1285.87	1017.22
3	GUIDE	472525528	6.63	723	0.010	0.055	0.073	0.114	331.551102	45.248694	1830.56	-624.66
4	GUIDE	472523760	8.23	723	0.055	-0.026	0.050	0.084	331.645363	45.403260	1251.00	-791.92
5	GUIDE	472655152	9.44	723	-0.075	0.055	0.092	0.141	332.504239	45.862991	-1402.12	-176.13
6	GUIDE	472655704	9.47	723	0.063	-0.094	0.081	0.131	332.167195	45.285228	737.44	498.89
7	GUIDE	472646552	9.63	722	-0.064	0.005	0.129	0.193	333.120915	45.571877	-1596.95	1686.63

2.4 Star Slots

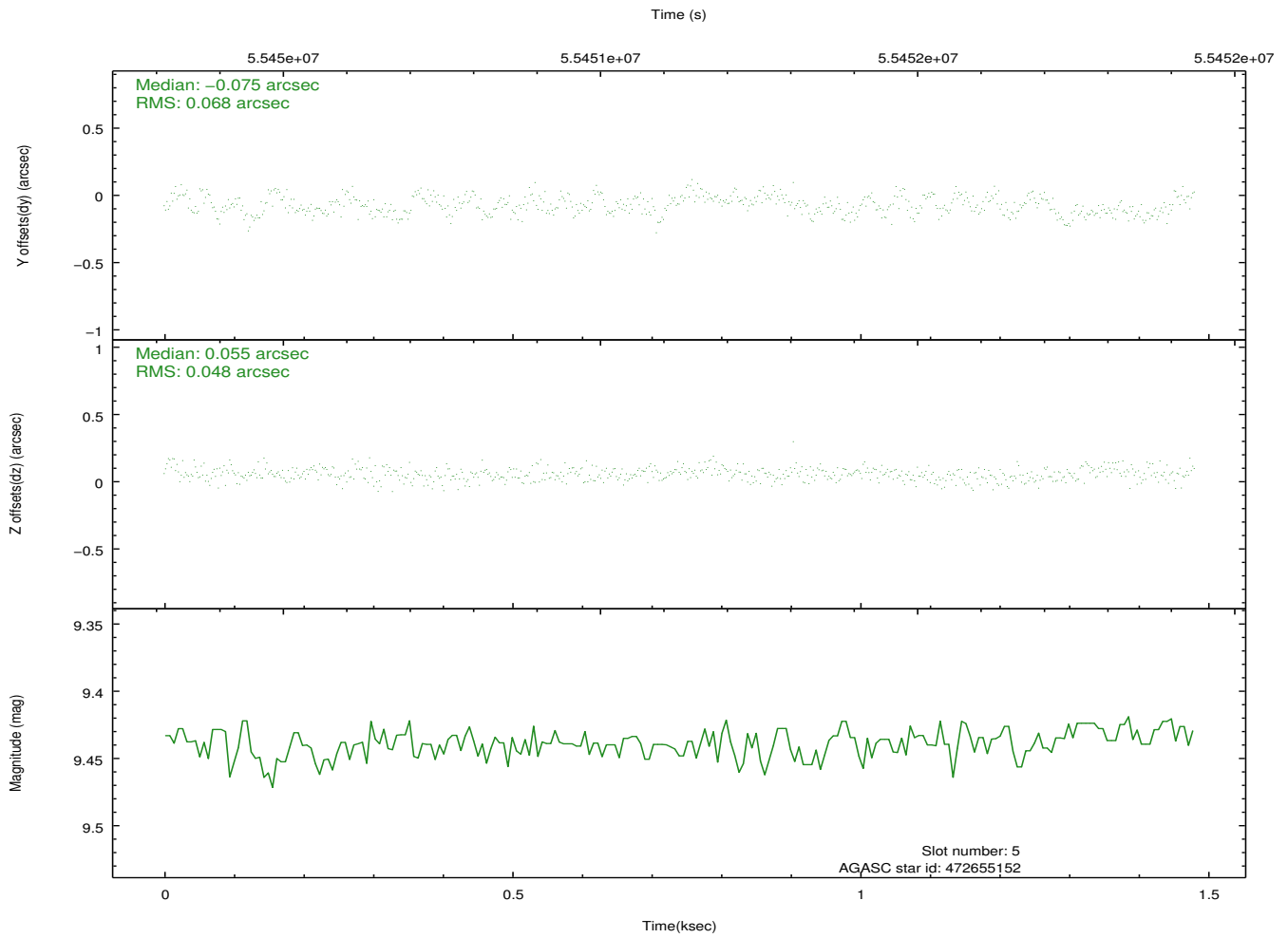
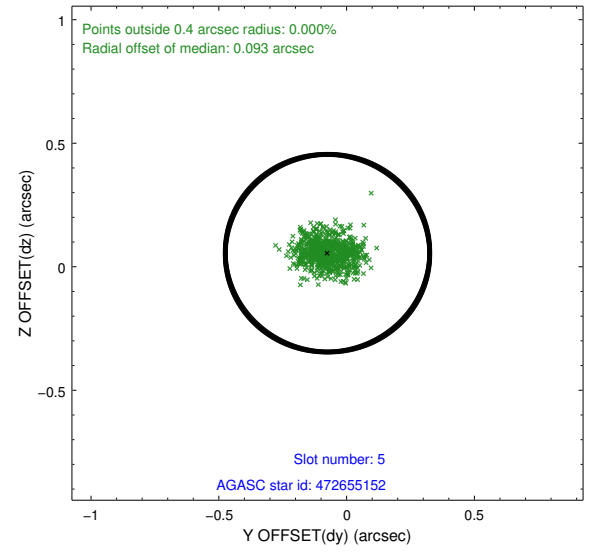
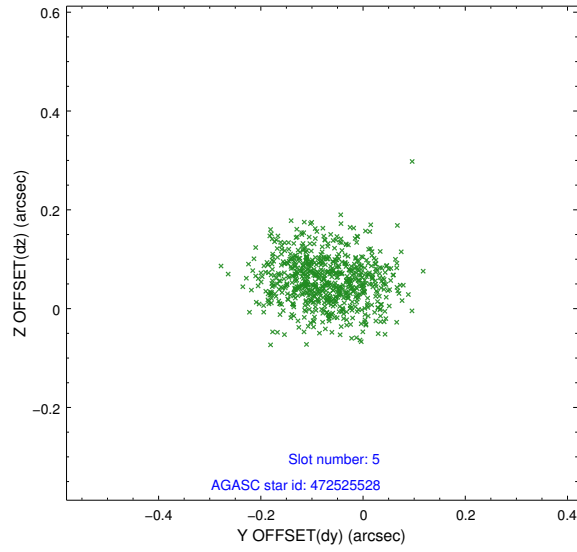
2.4.1 Slot 3



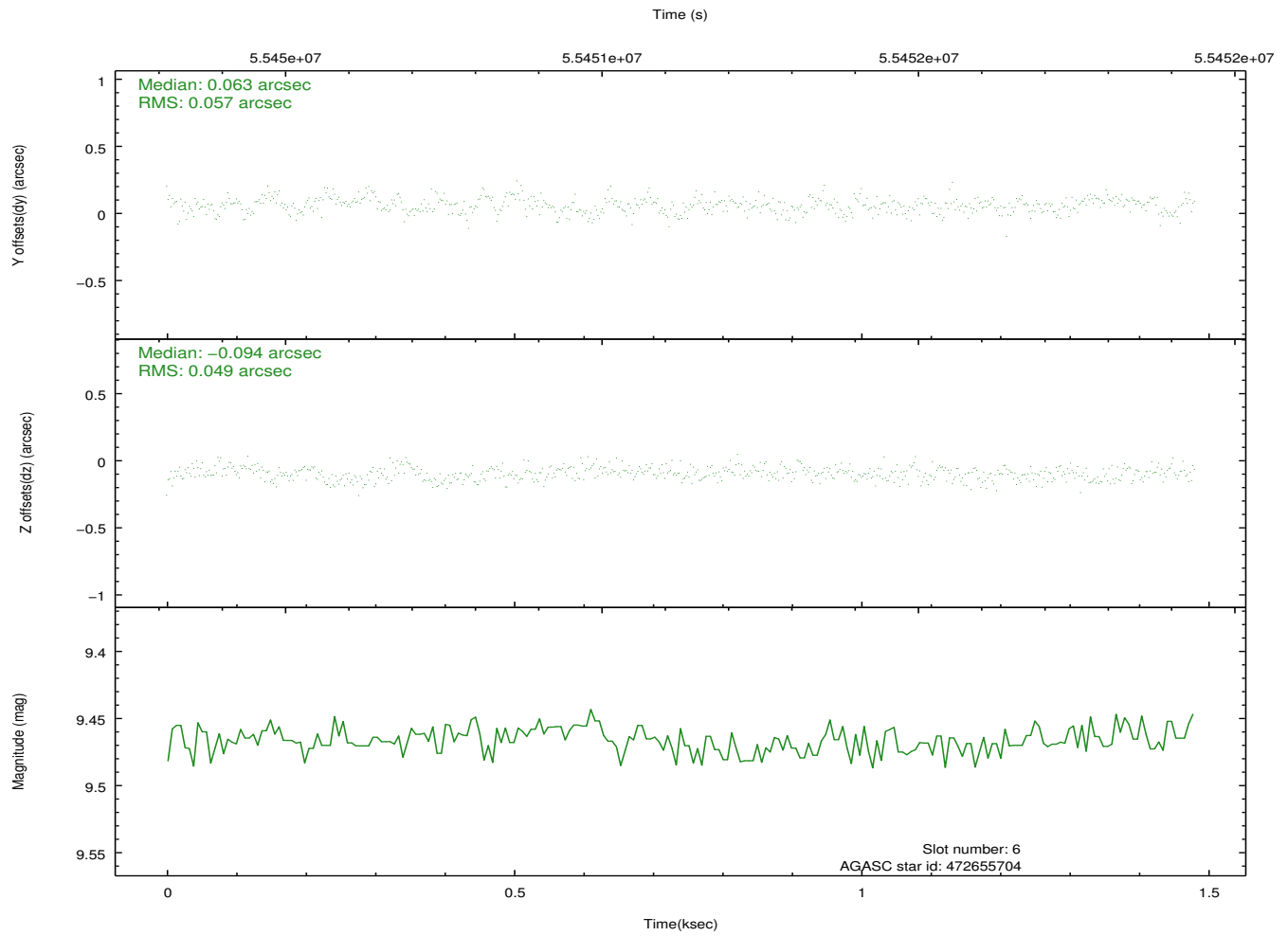
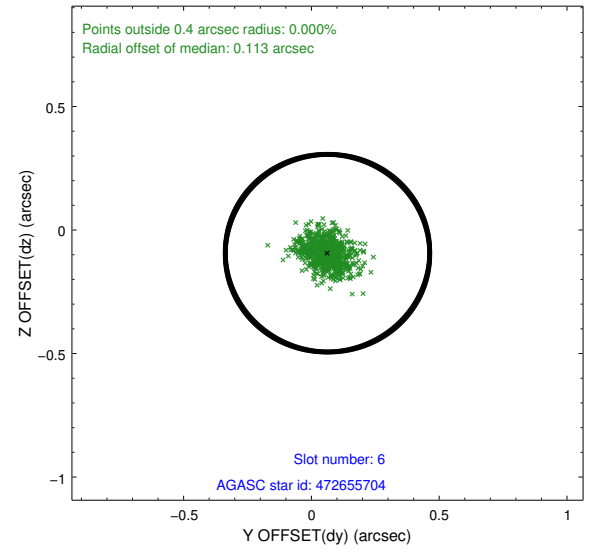
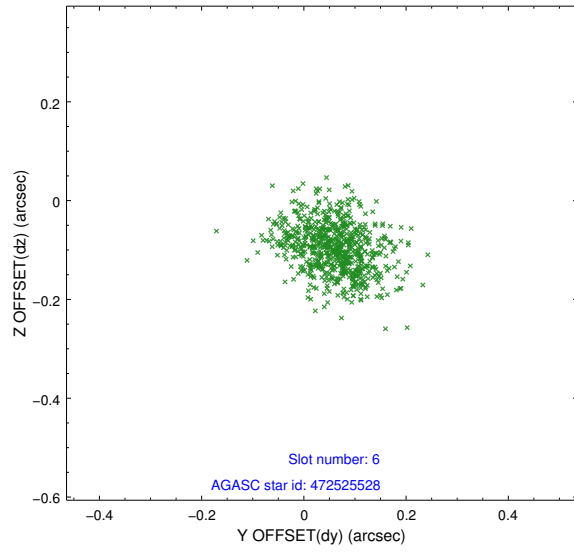
2.4.2 Slot 4



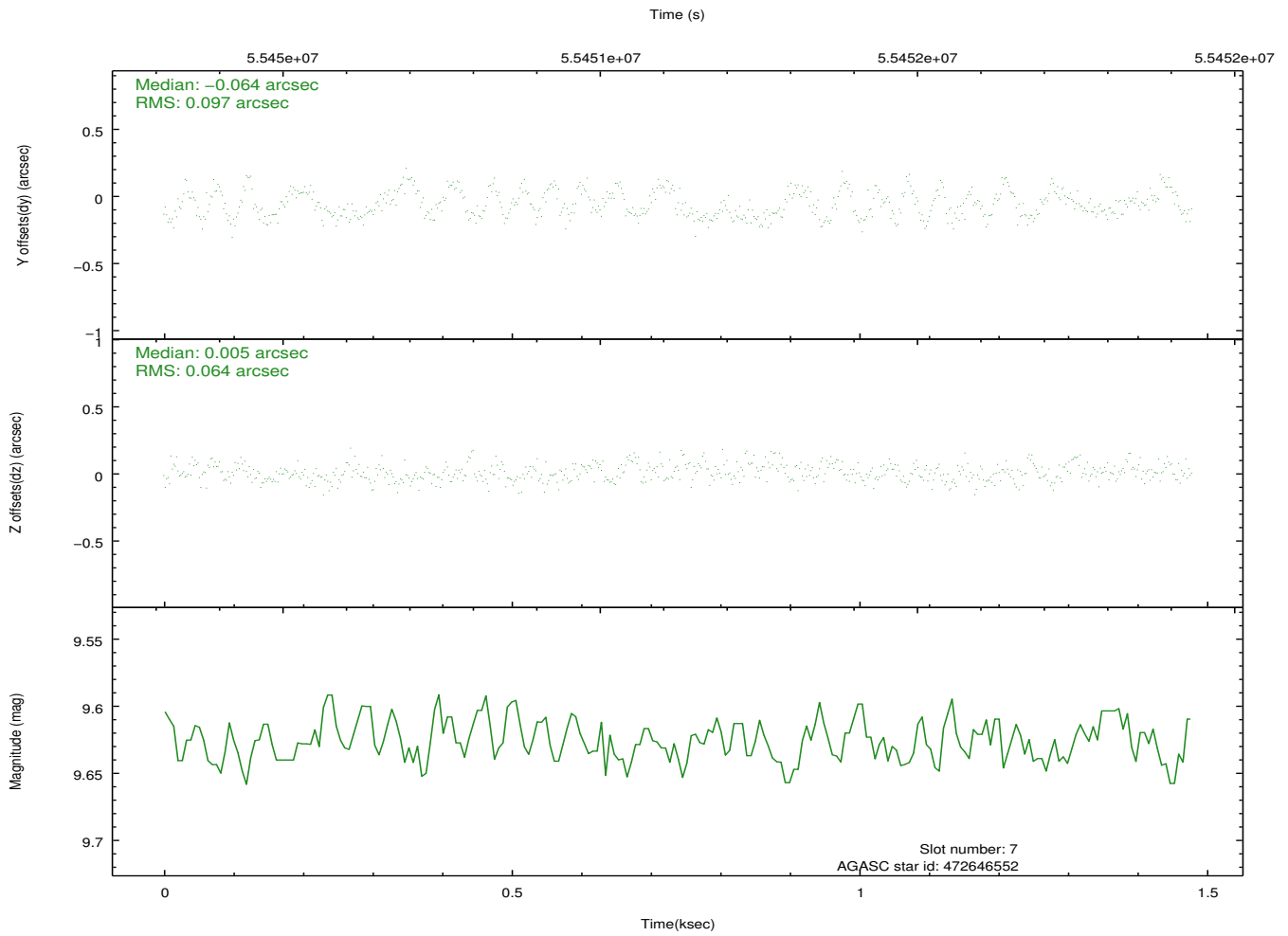
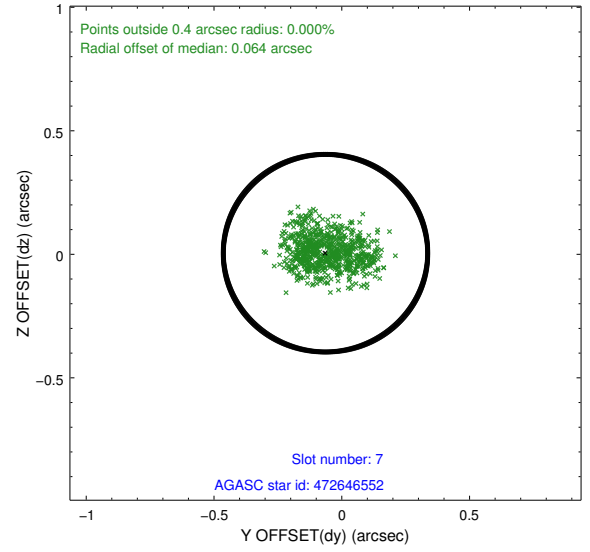
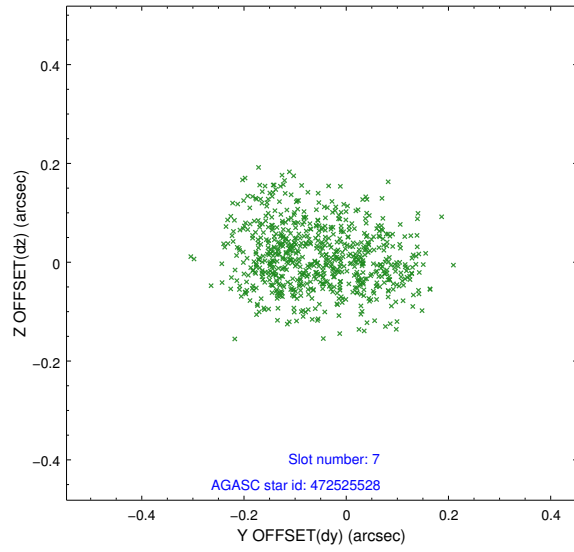
2.4.3 Slot 5



2.4.4 Slot 6

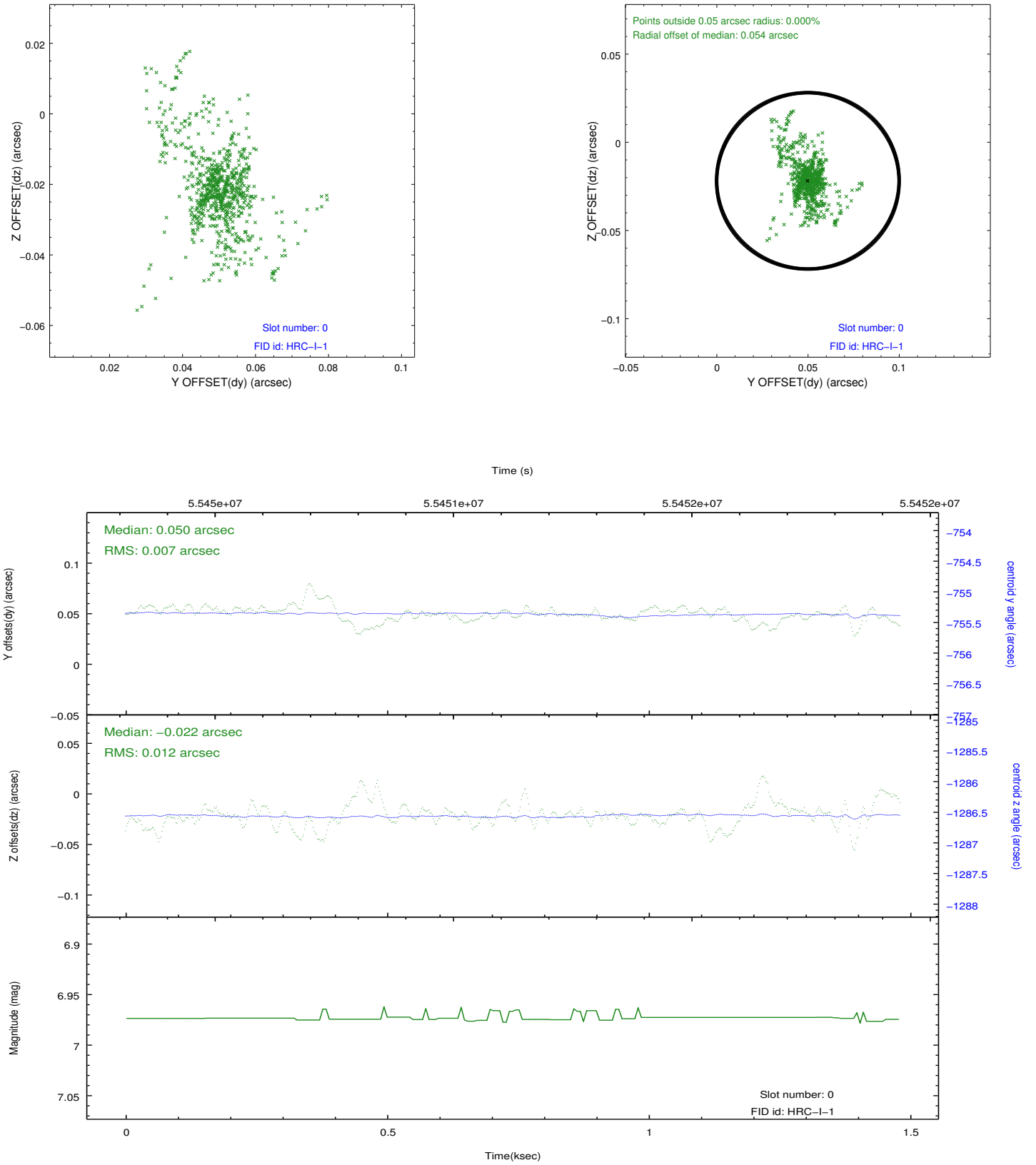


2.4.5 Slot 7

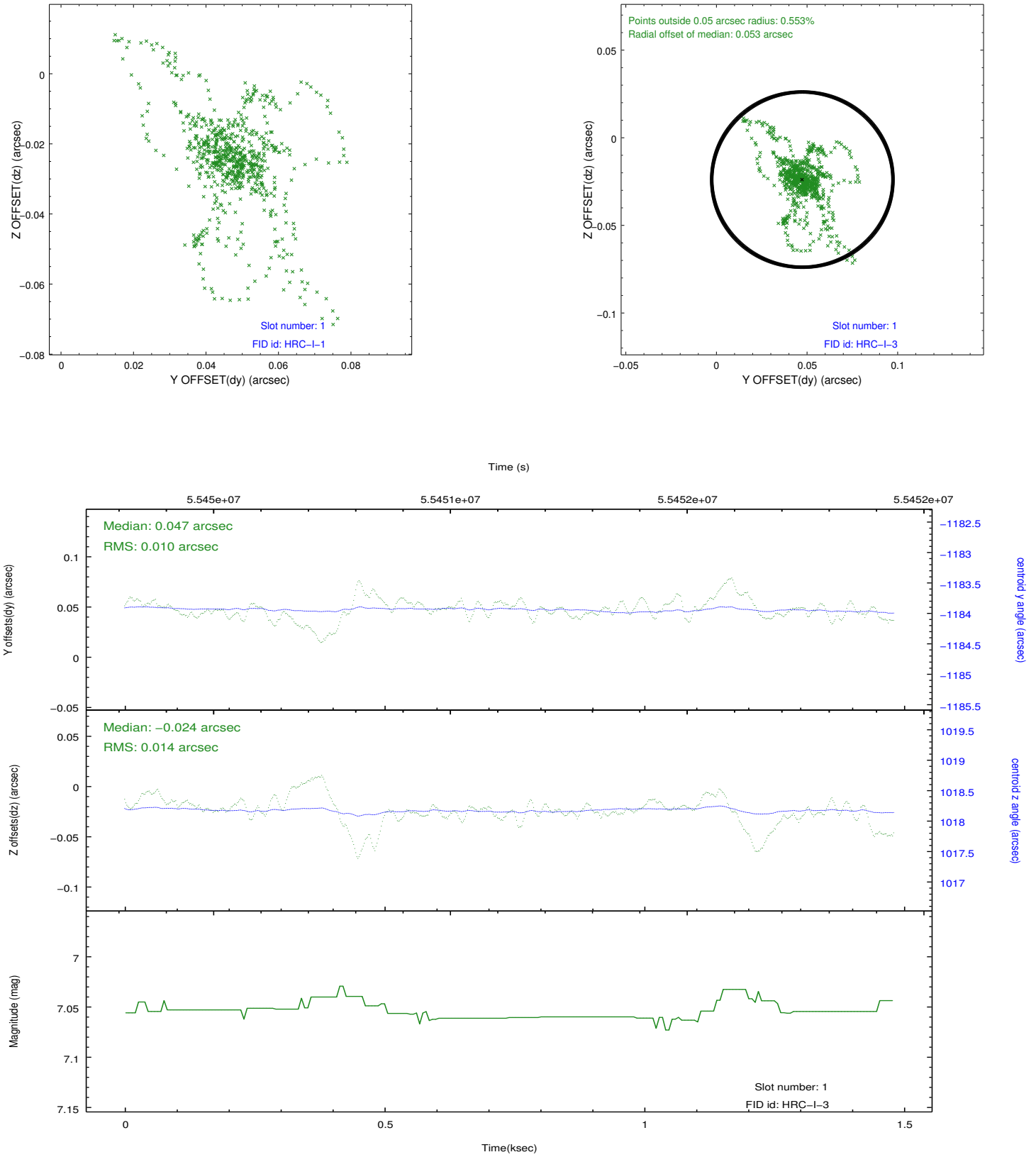


2.5 FID Slots

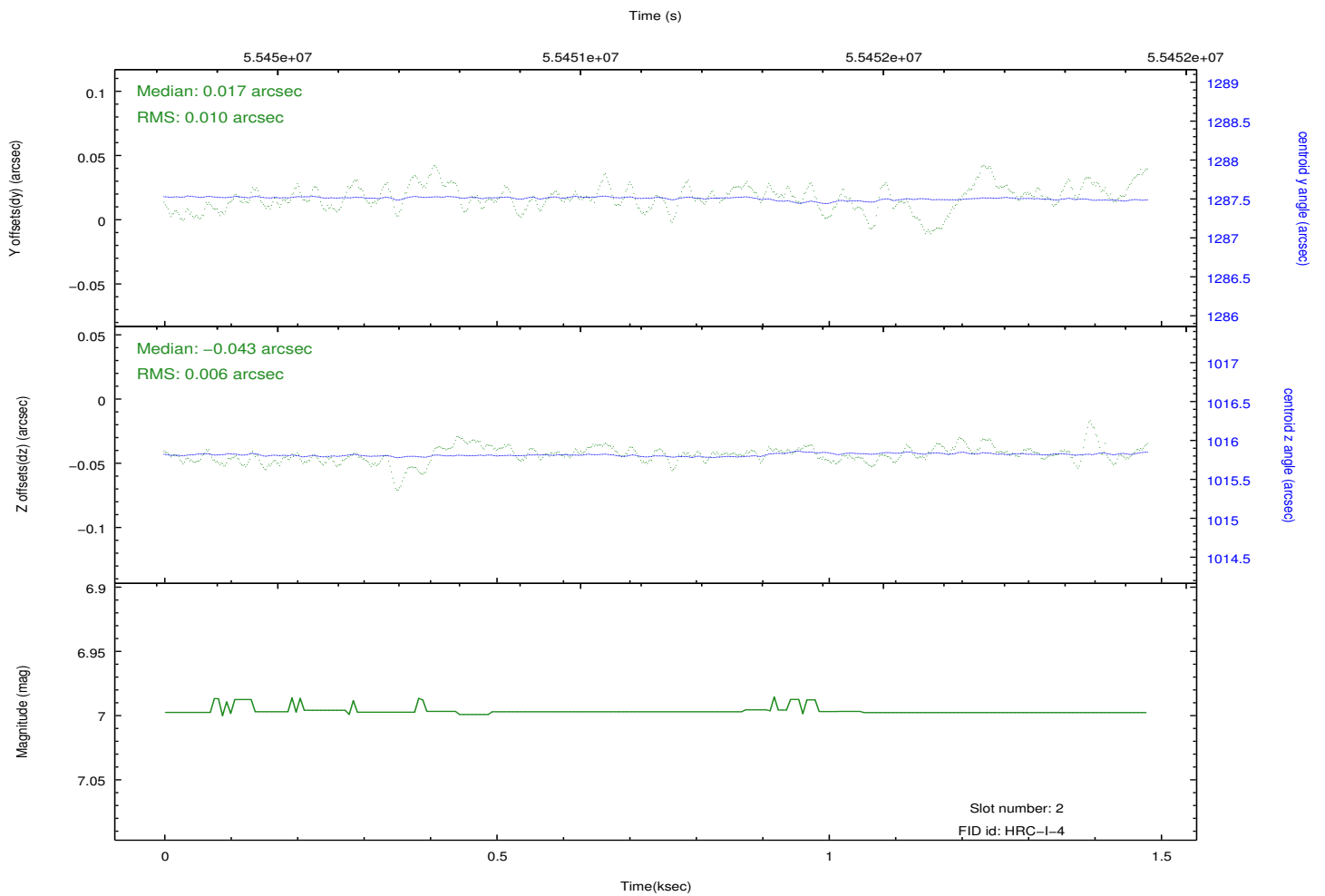
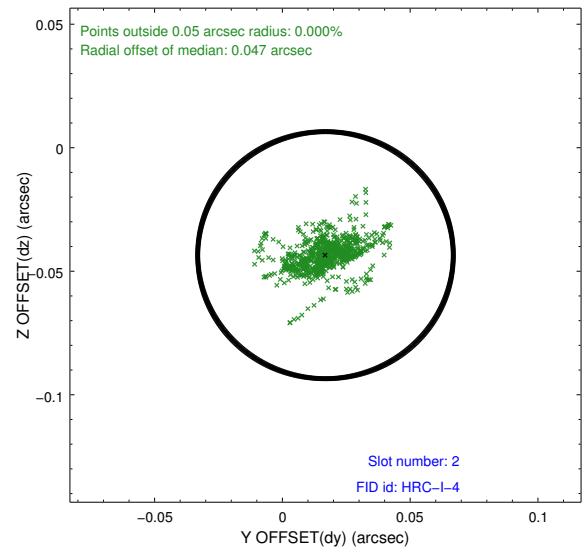
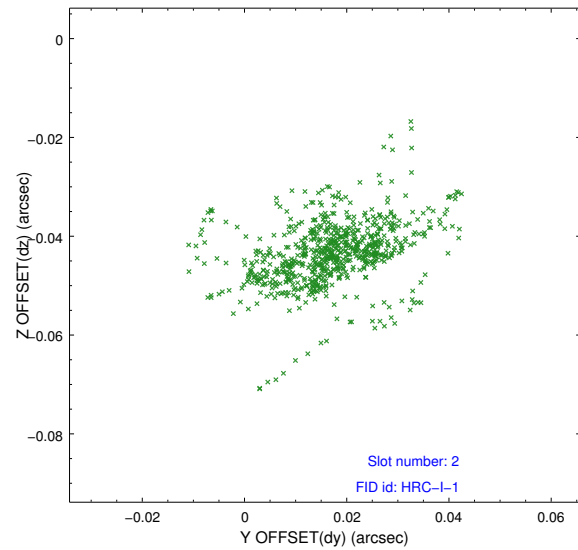
2.5.1 Slot 0



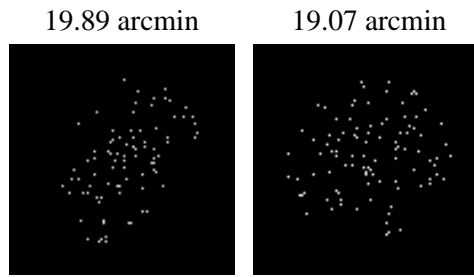
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.11.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.273

A.2 Comments

The ObsId series 1319-1382 were intended to access the HRC-I gain variation across the detector as a function of MCP HV. They were performed as triples (3 different HV settings at each Y-/Z-offset). The best HRC-I focus was not determined at the time the observations were performed (the data to determine that were being analyzed during this series).

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Charge time for this ObsId remains at previous value of 1.273 ksec, although with the current processing the charge time would have been 1.275 ksec.

SIM focus/defocus is flagged.