

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 14276 - L2 Version 2
Chandra X-Ray Center

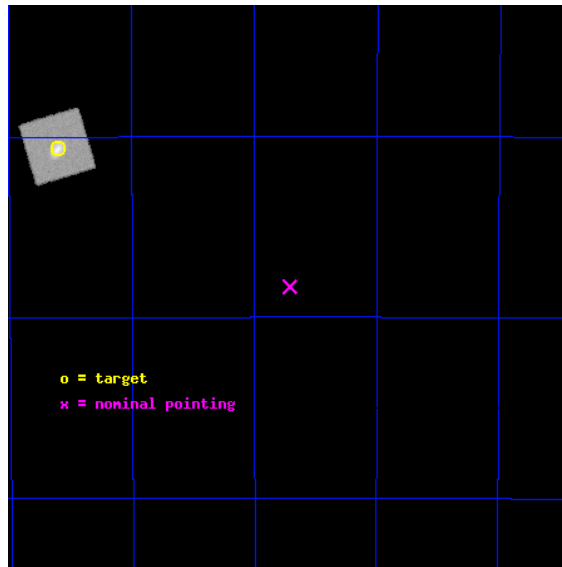
L2 Processing Date : Jul 28 2012

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
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
A	Summary	15
A.1	Status	15
A.2	Comments	15

1 Front

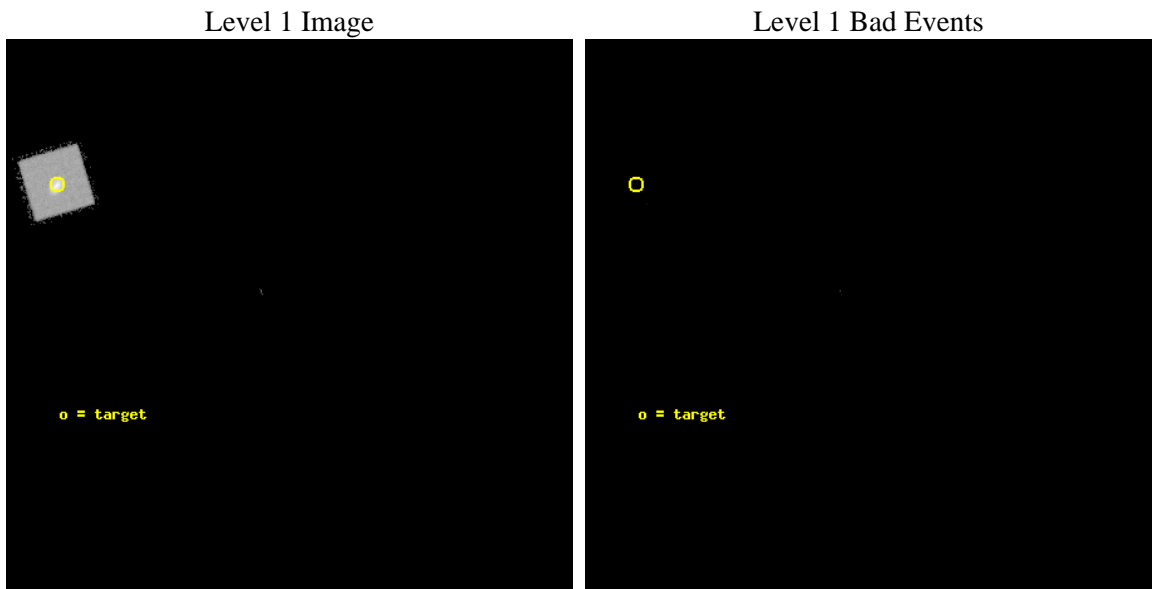
seq_num	990019	Sequence number
obs_id	14276	Observation id
title	AO-13 Calibration Observations of the ACIS charged particle background	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Proxima Cen	Source name
ra_targ	217.400388	Observer's specified target RA [deg]
dec_targ	-62.676832	Observer's specified target Dec [deg]
ra_nom	216.92780960343	Nominal RA [deg]
dec_nom	-62.805323627171	Nominal Dec [deg]
roll_nom	298.43102915283	Nominal Roll [deg]
revision	2	Processing version of data
ontime	49626.402646065	[s]
livetime	45763.54394146	Ontime multiplied by DTCOR
l2events	63889	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	50000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	49659.202646077	[s]
caldsver	4.5.1	 	l1events	77435	Number of level 1 events
date	2012-07-28T10:33:14	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

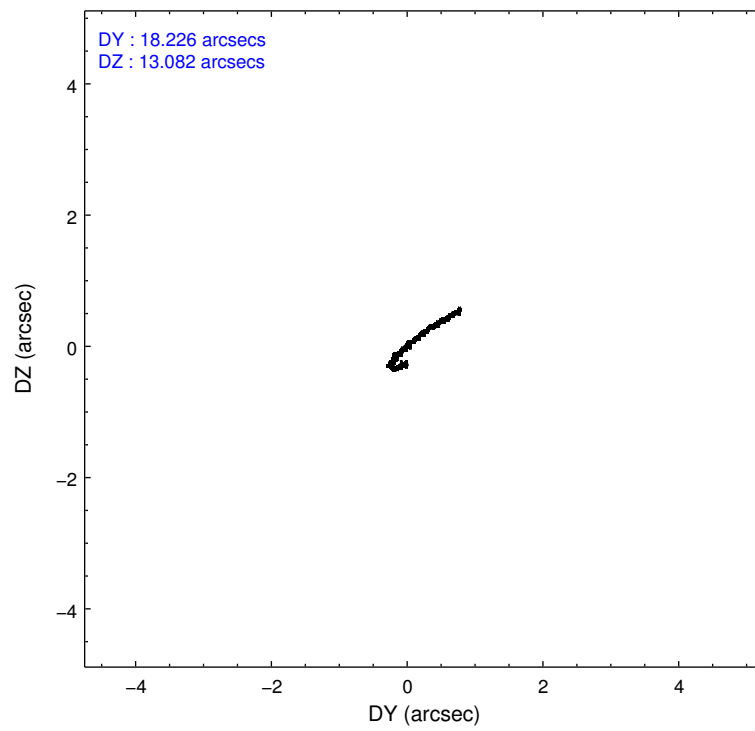
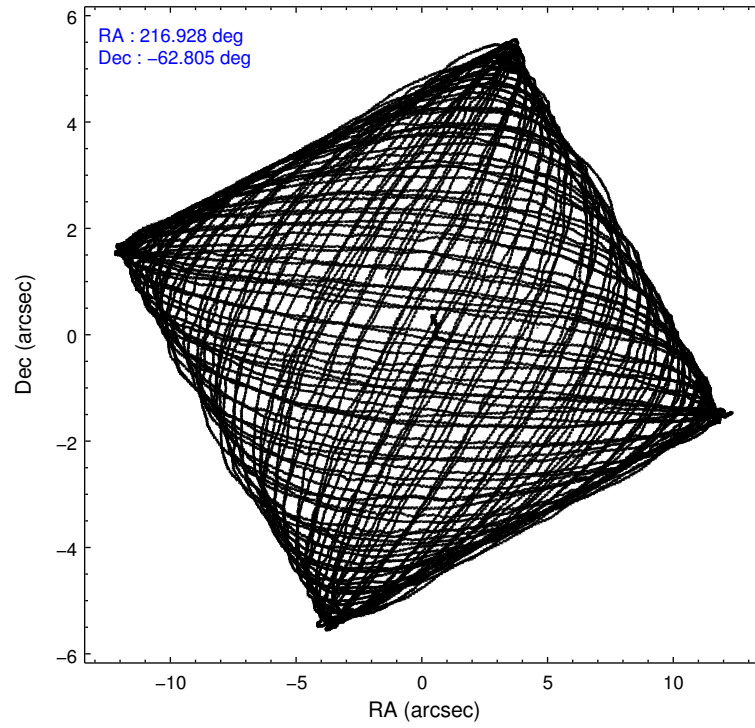
Level 1 Events

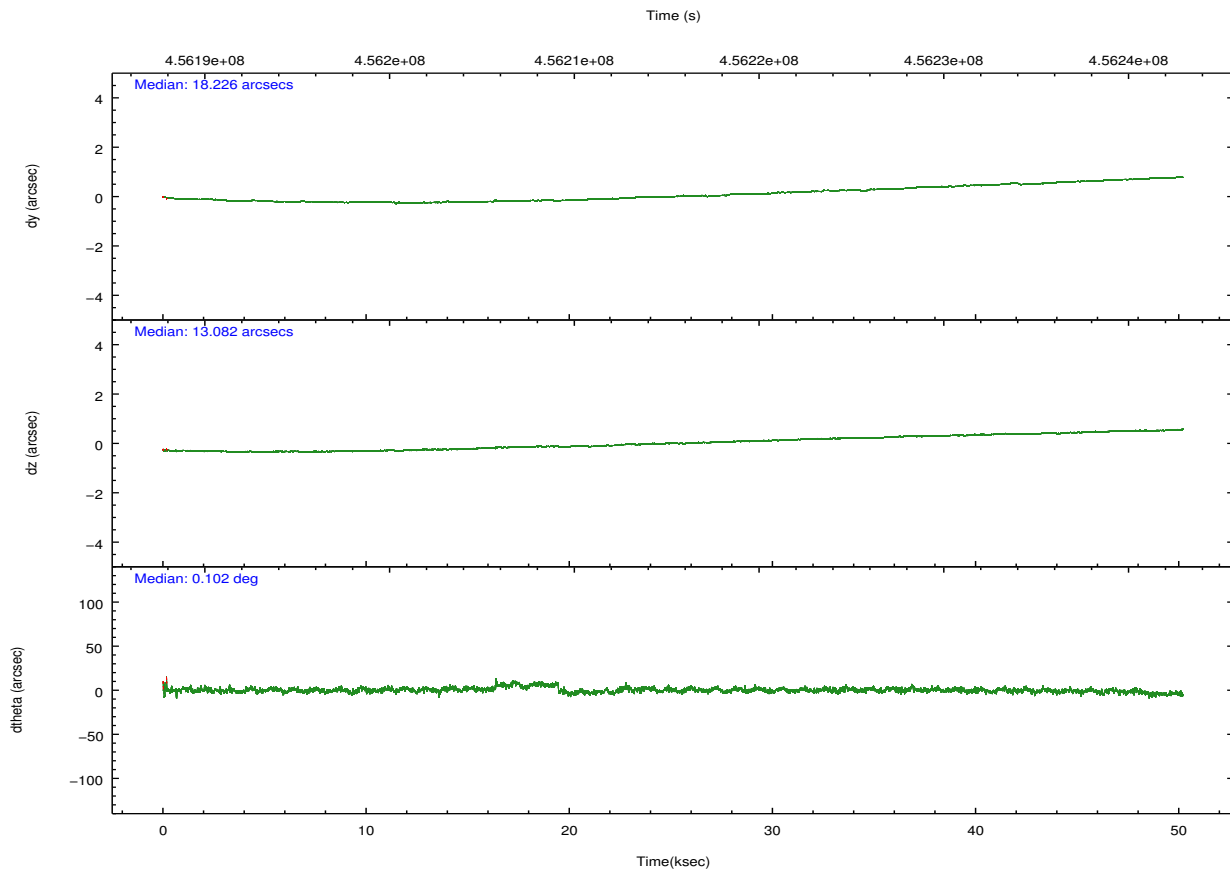
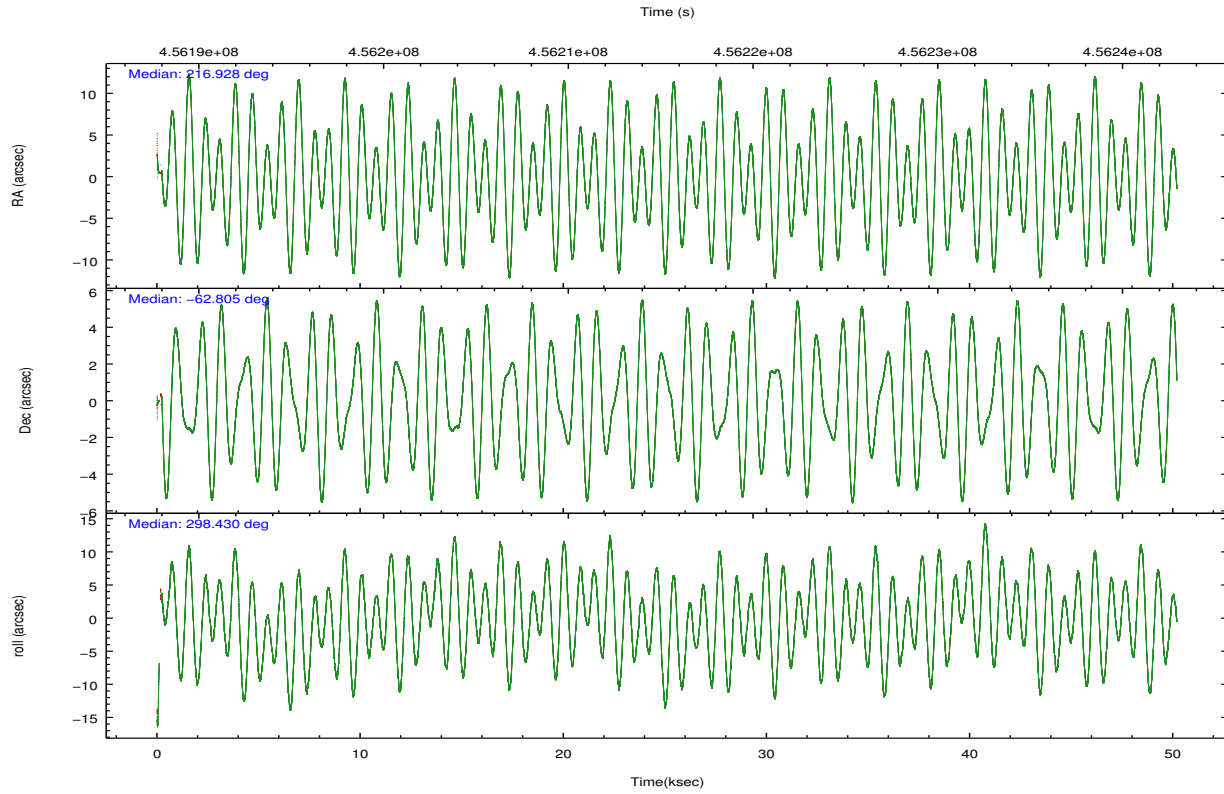
	segment 0
level 1 events	77435
rejected events	157
rejected %	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	NEXT_IN_LINE	NEXT_IN_LINE			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	216.876417	216.9278096034263			
[deg] Pointing Dec	-62.791603	-62.8053236271706			
[deg] Pointing Roll	298.480815	298.4310291528266			
[s] Window start time (MET)	452217666.184000	452217666.184000			
[s] Window stop time (MET)	460080067.184000	460080067.184000			
[mm] SIM focus pos	-1.038866356238299	-1.038866356238299			
[mm] SIM defocus	0.00142623211714632	0.00142623211714632			
[mm] SIM translation stage pos	51.9960404362608	51.9960404362608			
[mm] SIM translation stage offset	74.989453869027	74.989453869027			
[s] Observation start time (MET)	456189365.384000	456189365.384			
Observation start date	2012-06-15T23:16:05	2012-06-15T23:16:05			
[s] Observation end time (MET)	456240447.284000	456240447.284			
Observation end date	2012-06-16T13:27:27	2012-06-16T13:27:27			

2.3 Aspect



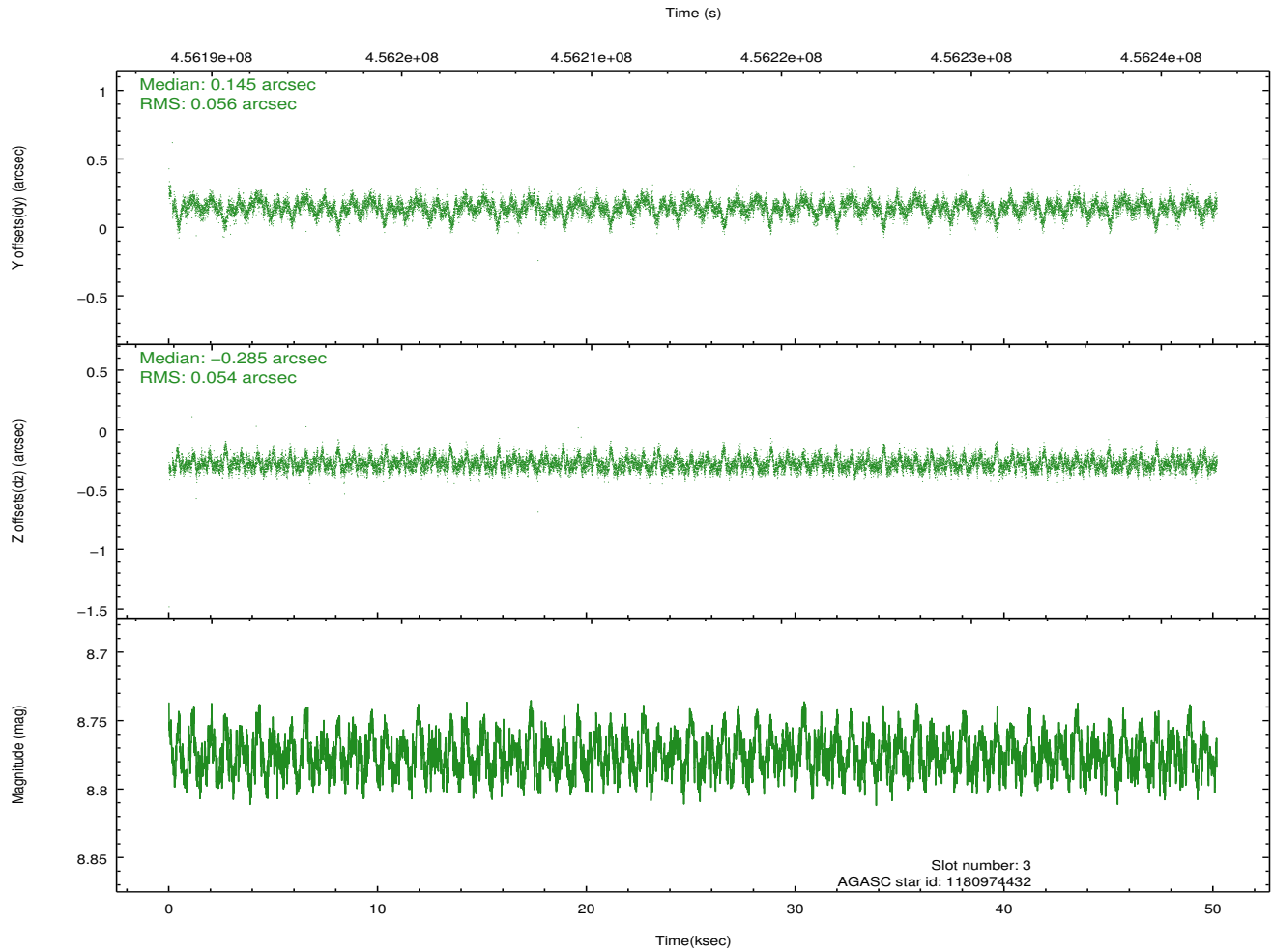
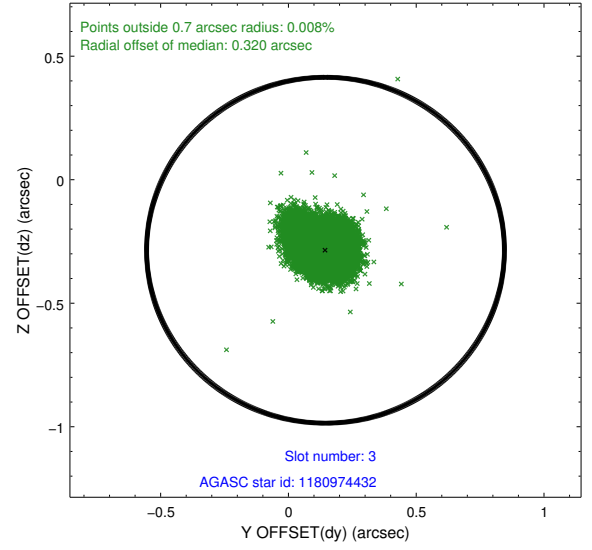
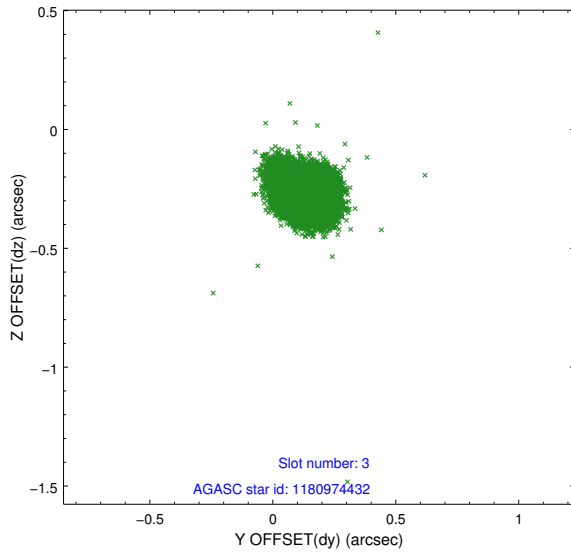


Slot Statistics

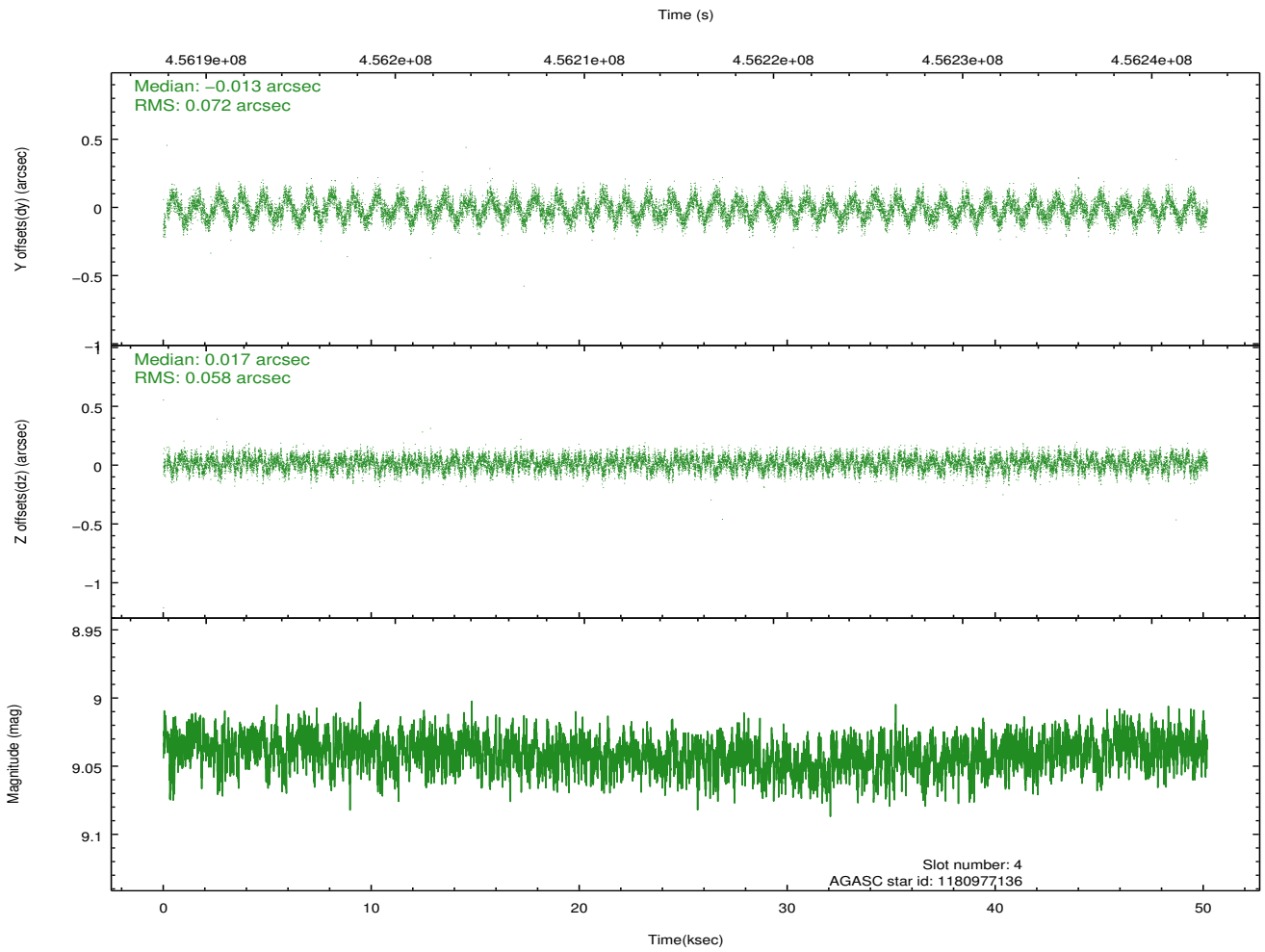
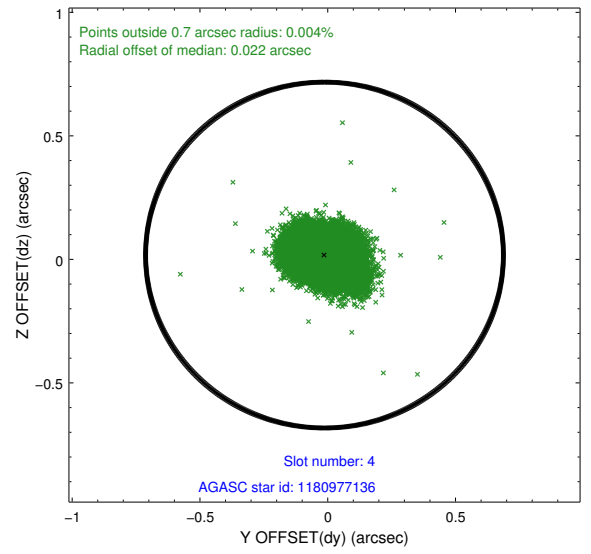
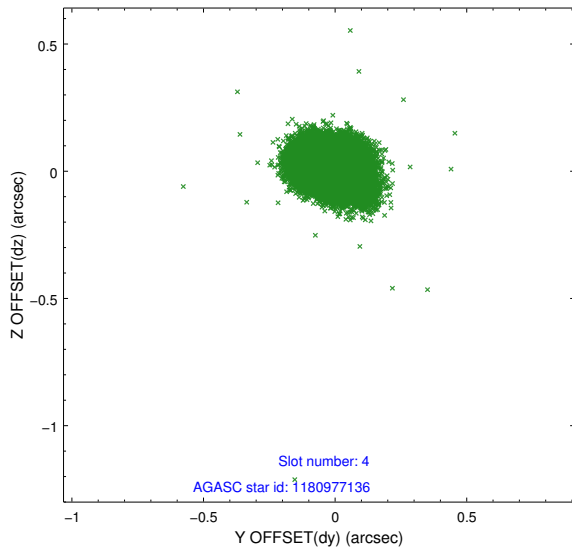
	status	id	mag	n_pts	med_dy	med_dz	dr1
	FID	HRC-I-1	6.86	12229	-0.716	-0.029	0.005
	FID	HRC-I-2	6.98	12226	0.795	-0.025	0.005
	UNUSED		0.00	0	0.000	0.000	0.000
	GUIDE	1180974432	8.78	24444	0.145	-0.285	0.079
	GUIDE	1180977136	9.04	24445	-0.013	0.017	0.099
	GUIDE	1180995280	8.29	24453	-0.039	0.219	0.089
	GUIDE	1180985824	8.80	24442	-0.094	0.055	0.075
0.000	0.000	0.000	0.000000	0.000000	0.00	0.00	

2.4 Star Slots

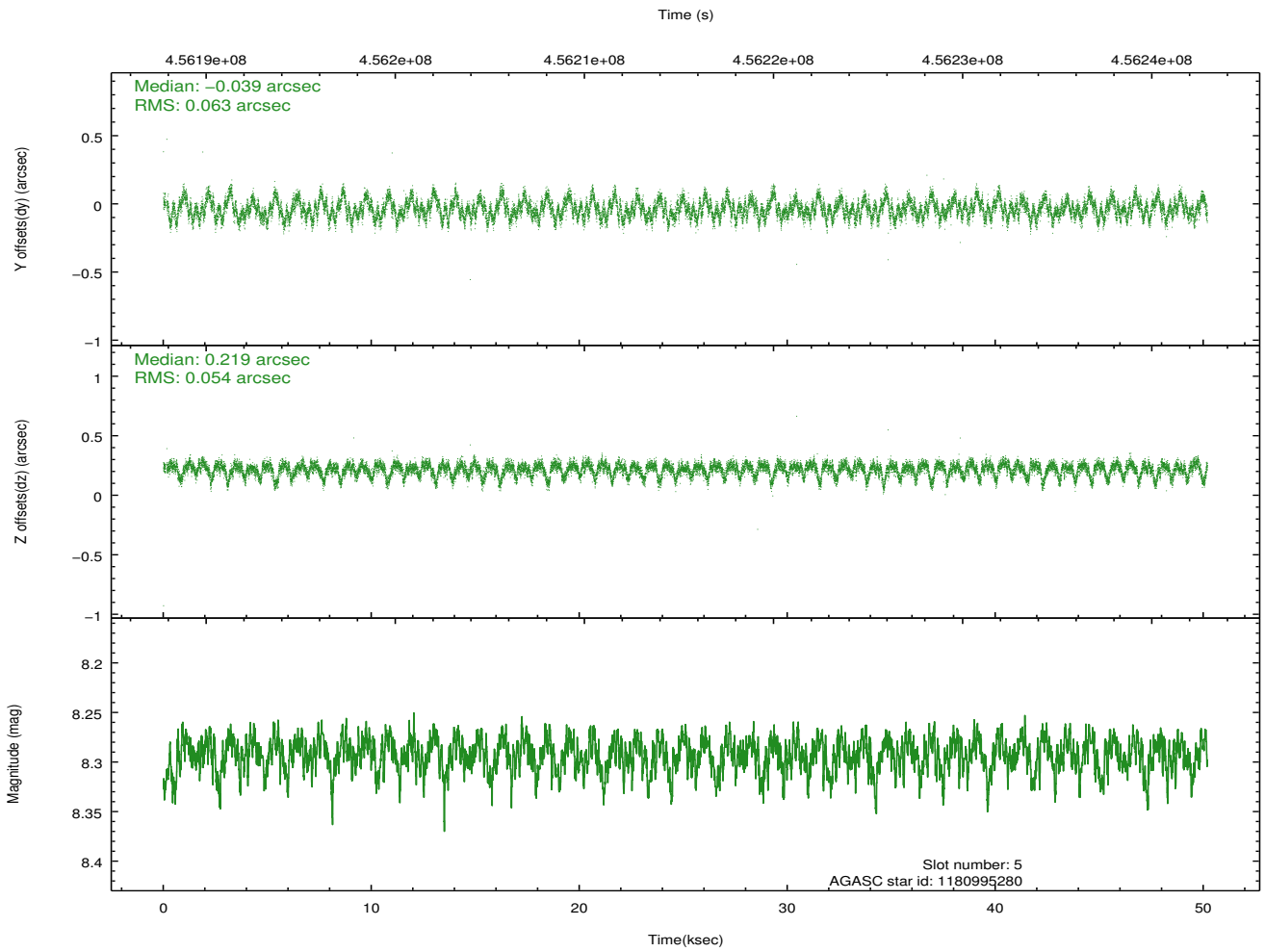
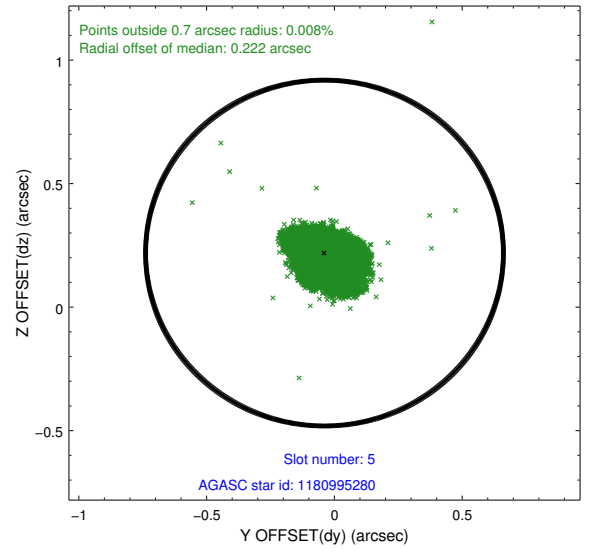
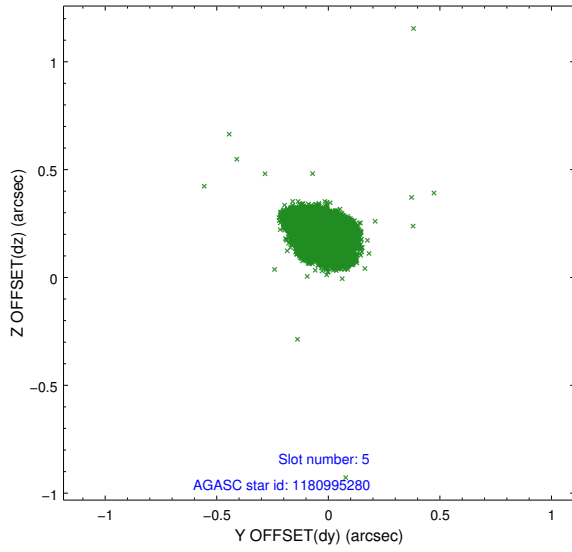
2.4.1 Slot 3



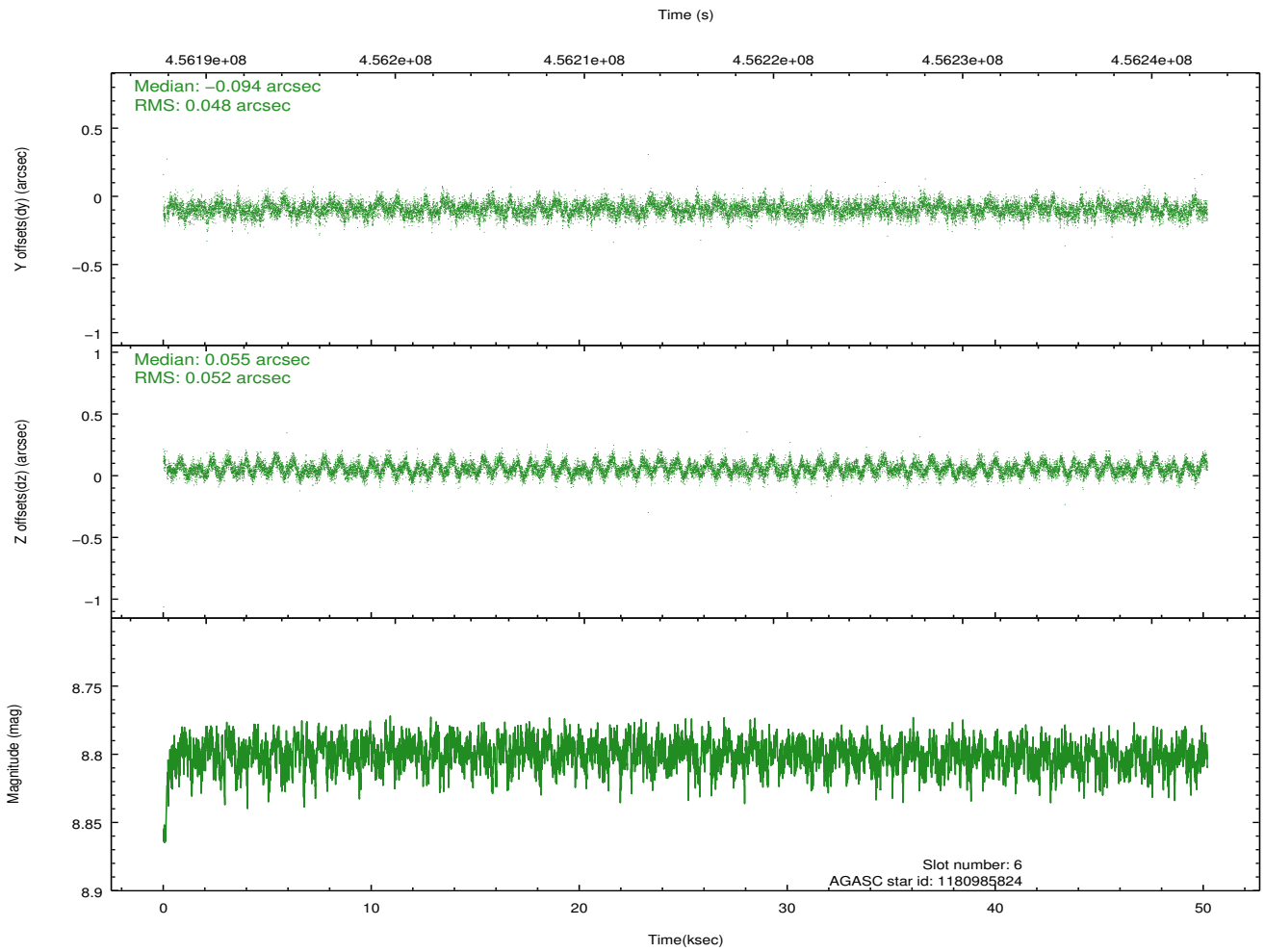
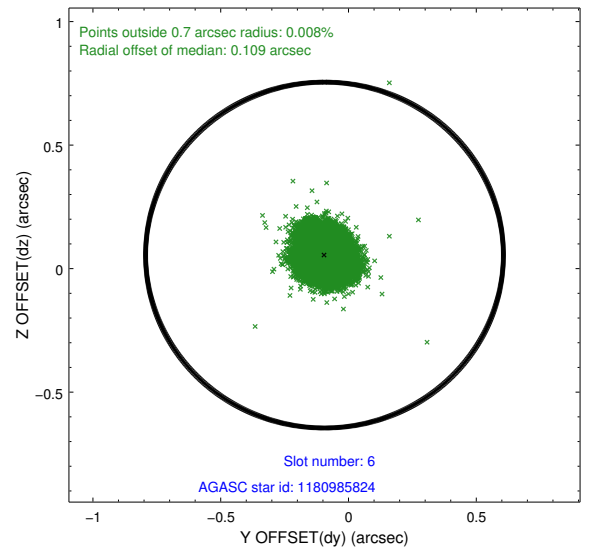
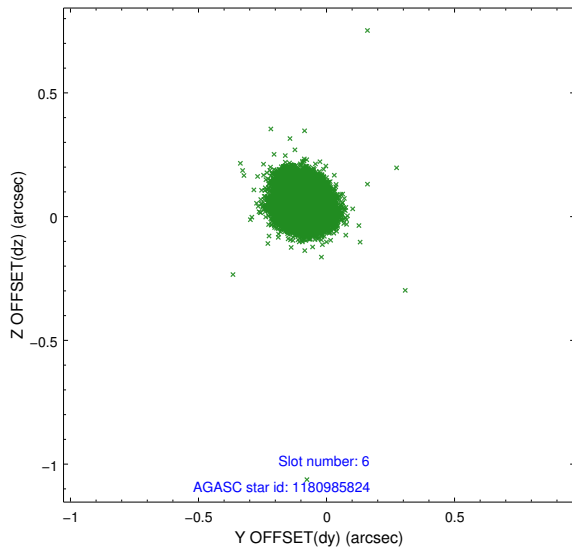
2.4.2 Slot 4



2.4.3 Slot 5

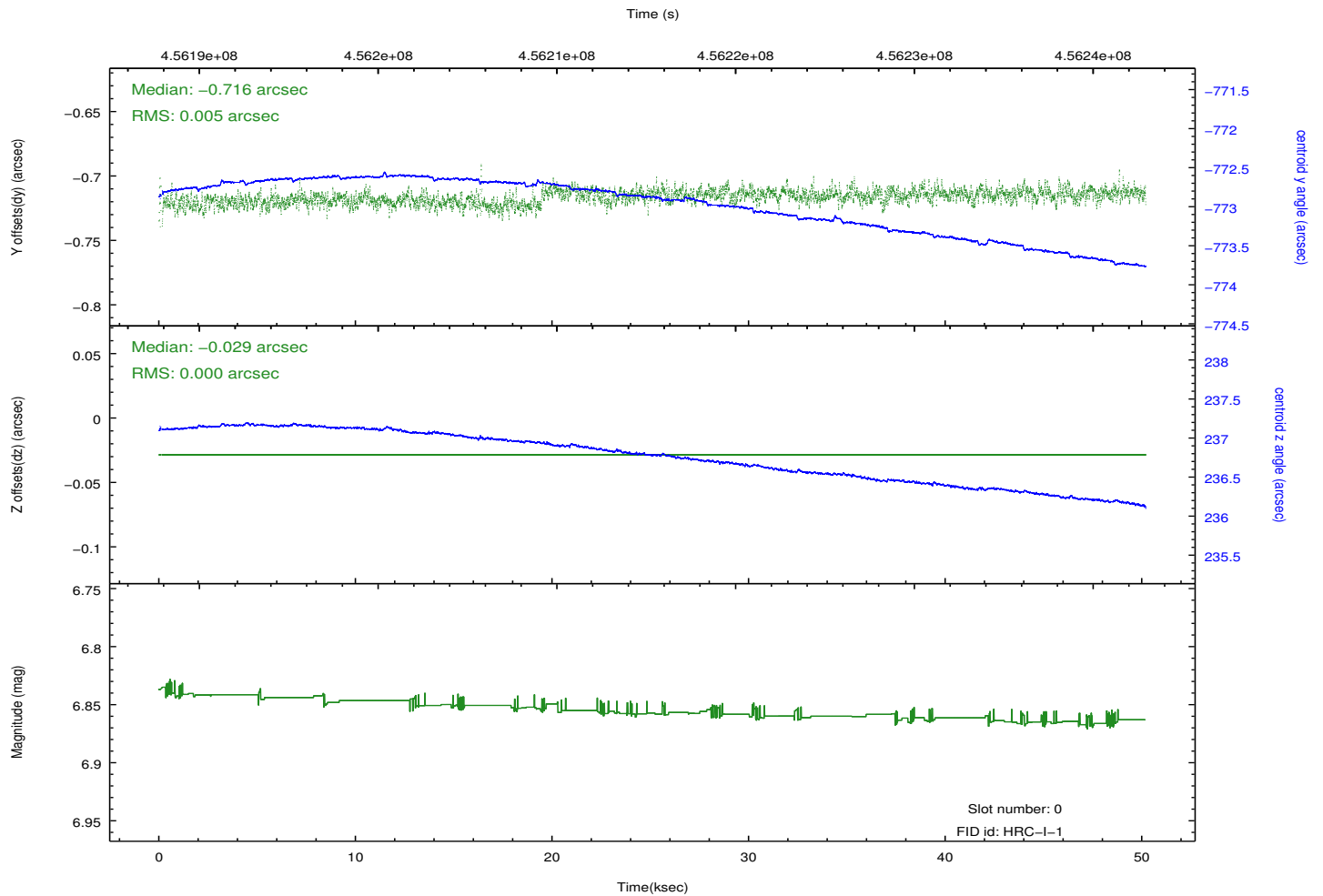
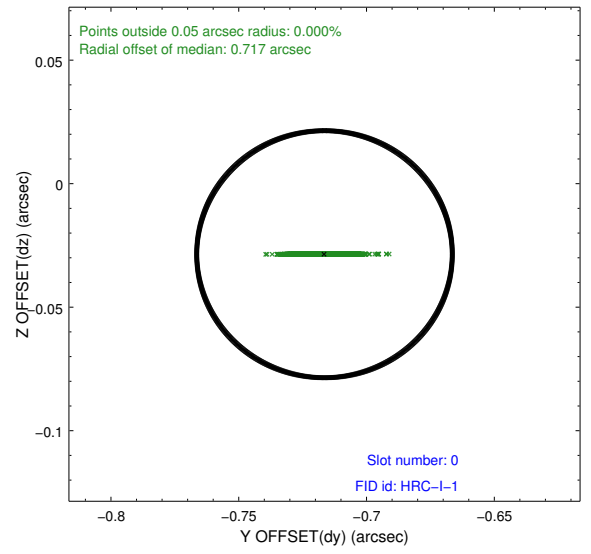
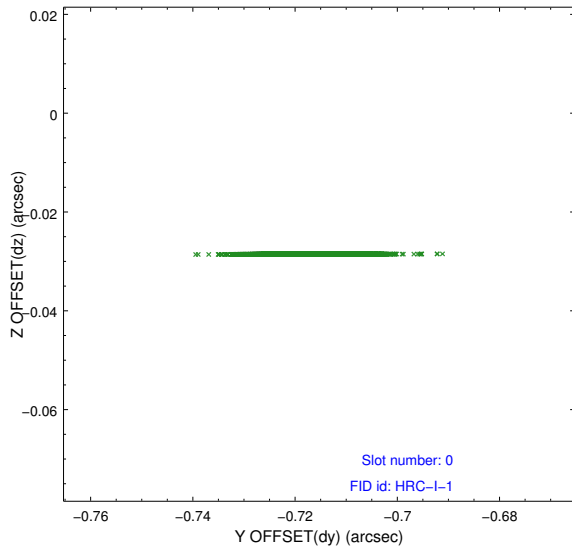


2.4.4 Slot 6

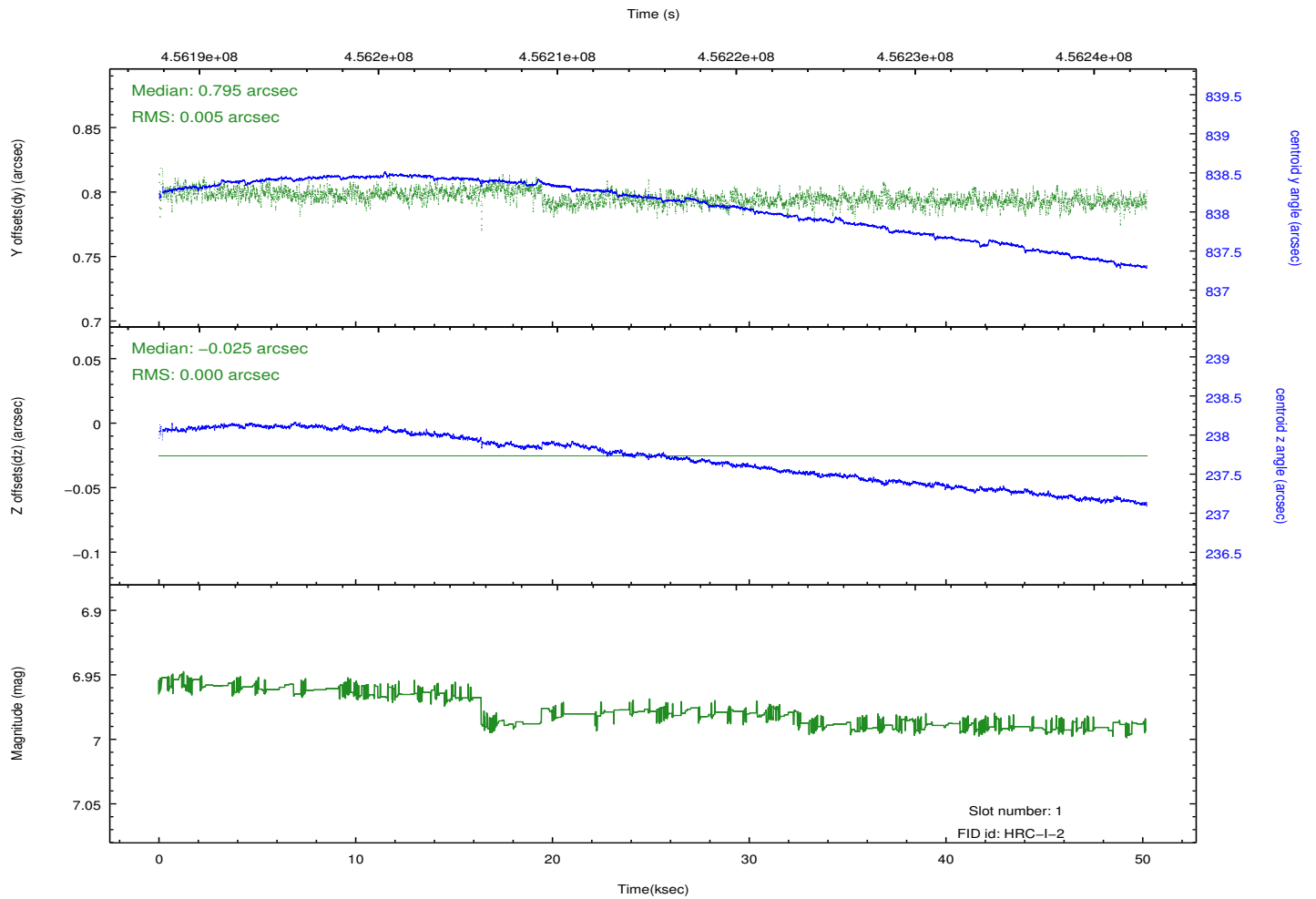
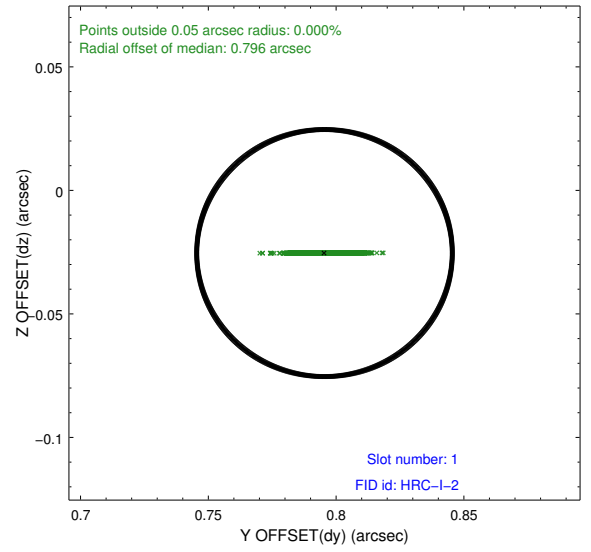
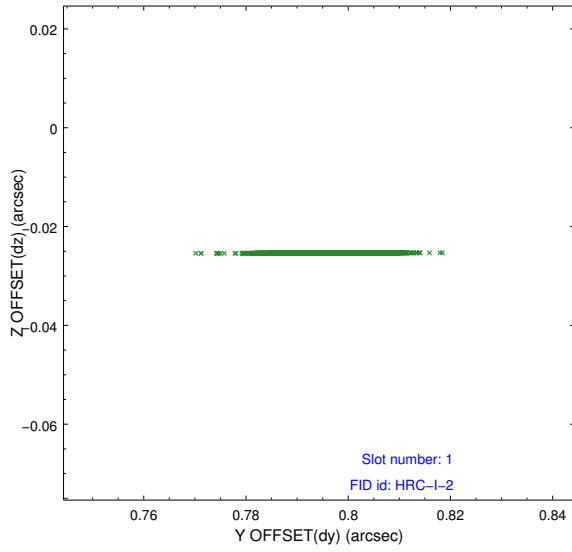


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.626402646065

A.2 Comments

Window preference met.

This observation was performed with a large SIM offset. As a result, the fid light positions are offset beyond normally expected ranges.

Slot 2 was not utilized in this observation.