

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17090 - L2 Version 1
Chandra X-Ray Center

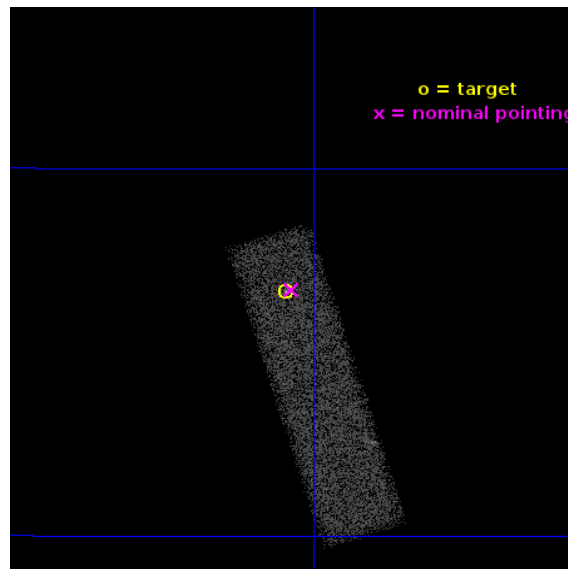
L2 Processing Date : Feb 11 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	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

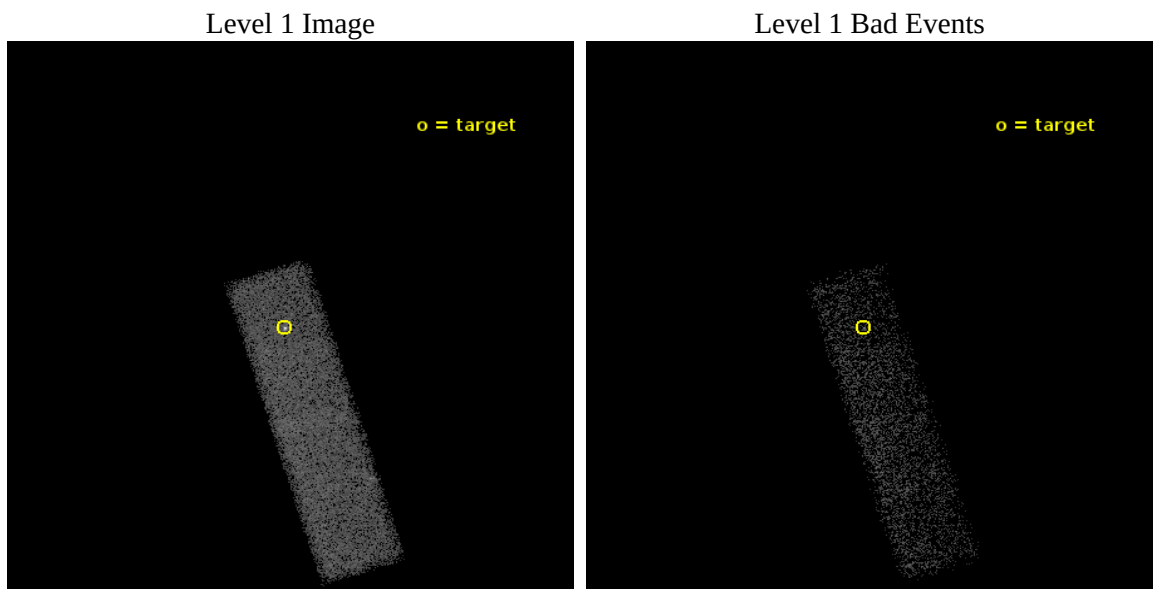
seq_num	703094	Sequence number
obs_id	17090	Observation id
title	Solving the X-ray Origin Problem in Large-scale Jets with Chandra and Fermi Observations	Proposal title
observer	Dr Eileen Meyer	Principal investigator
object	1642+690	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.5325	Observer's specified target RA [deg]
dec_targ	68.944444	Observer's specified target Dec [deg]
ra_nom	250.52625770406	Nominal RA [deg]
dec_nom	68.945328986675	Nominal Dec [deg]
roll_nom	72.662458975365	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25060.79850626	Sum of GTIs [s]
livetime	23837.913541577	Livetime [s]
ontime7	25060.79850626	Sum of GTIs [s]
l2events	21804	Number of level 2 events



2 OBI

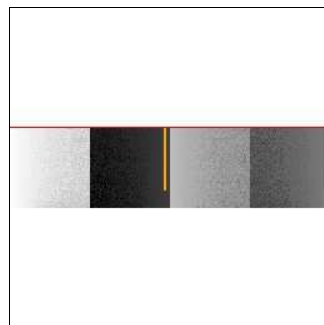
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	25060.79850626	Sum of GTIs [s]
caldsver	4.7.0	 	ontime7	25060.79850626	Sum of GTIs [s]
date	2016-02-11T16:59:09	Date and time of file creation	l1events	42179	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

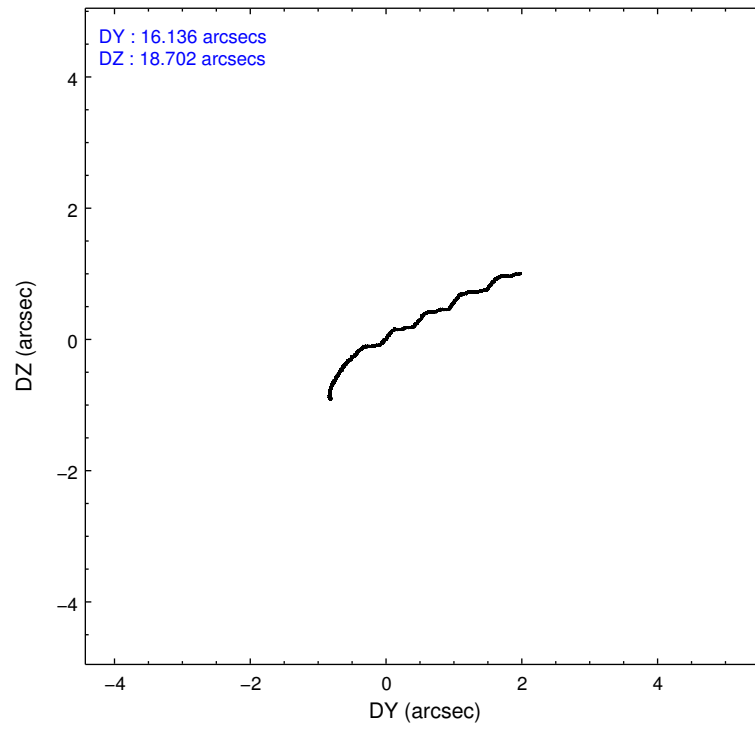
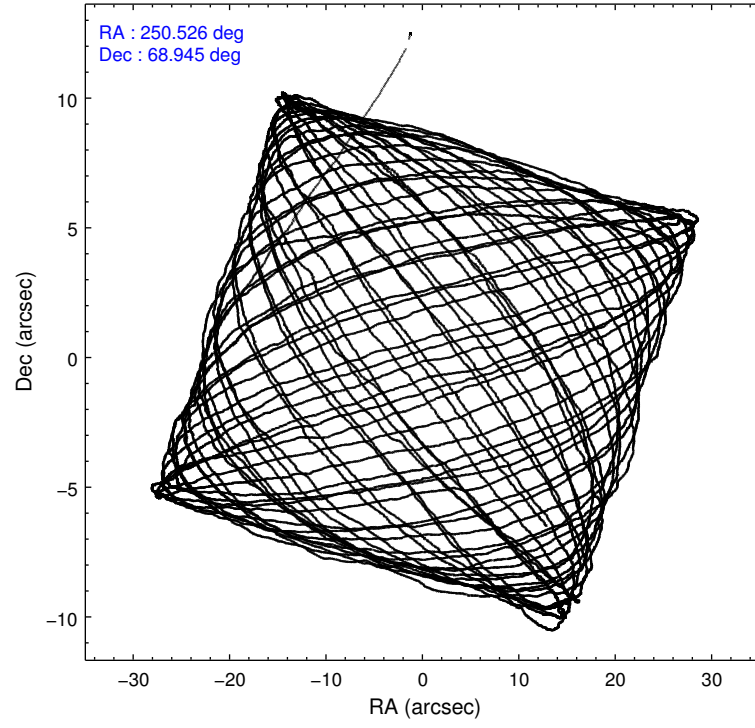
	ccd 7
level 1 events	42179
rejected events	19600
rejected %	46%

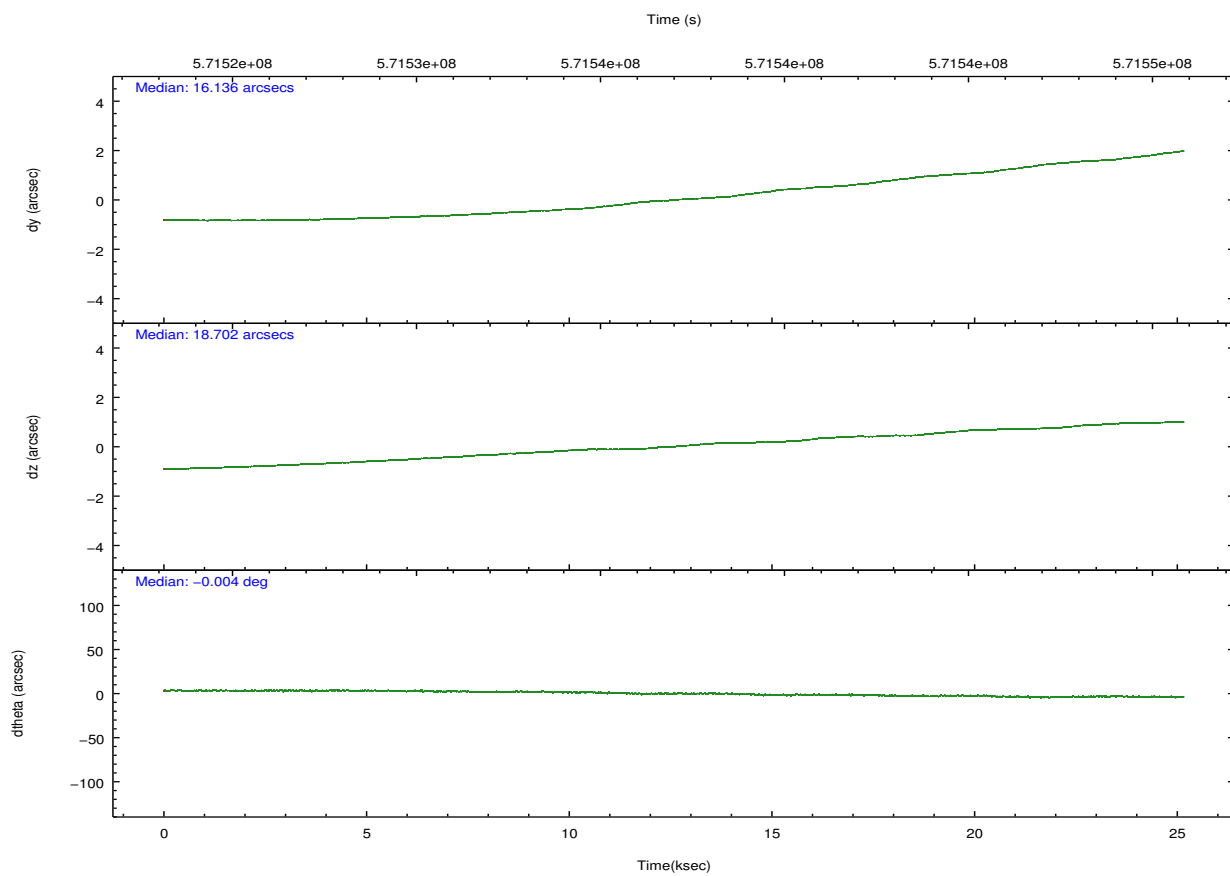
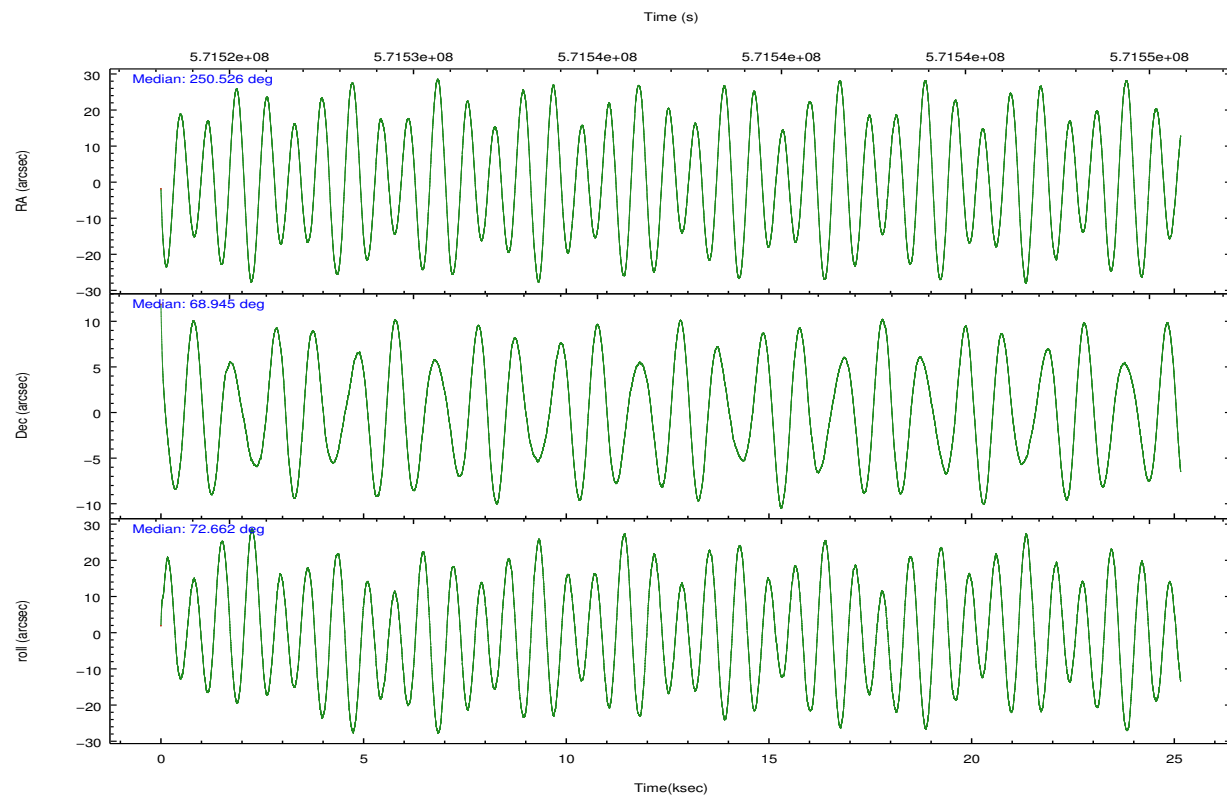
	ccd 7
grade 0 events	2577
	6%
grade 1 events	87
	0%
grade 2 events	4847
	11%
grade 3 events	2554
	6%
grade 4 events	2483
	5%
grade 5 events	4255
	10%
grade 6 events	10118
	23%
grade 7 events	15258
	36%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	250.544005	250.526257704057	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	68.918621	68.94532898667519	Subarray start row	385	385
[deg] Pointing Roll	72.489265	72.66245897536545	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	571524574.184000	571523652.59033			
Observation start date	2016-02-10T20:48:26	2016-02-10T20:34:12			
[s] Observation end time (MET)	571549574.184000	571550200.60434			
Observation end date	2016-02-11T03:45:06	2016-02-11T03:56:40			
Read mode	TIMED	TIMED			

2.3 Aspect



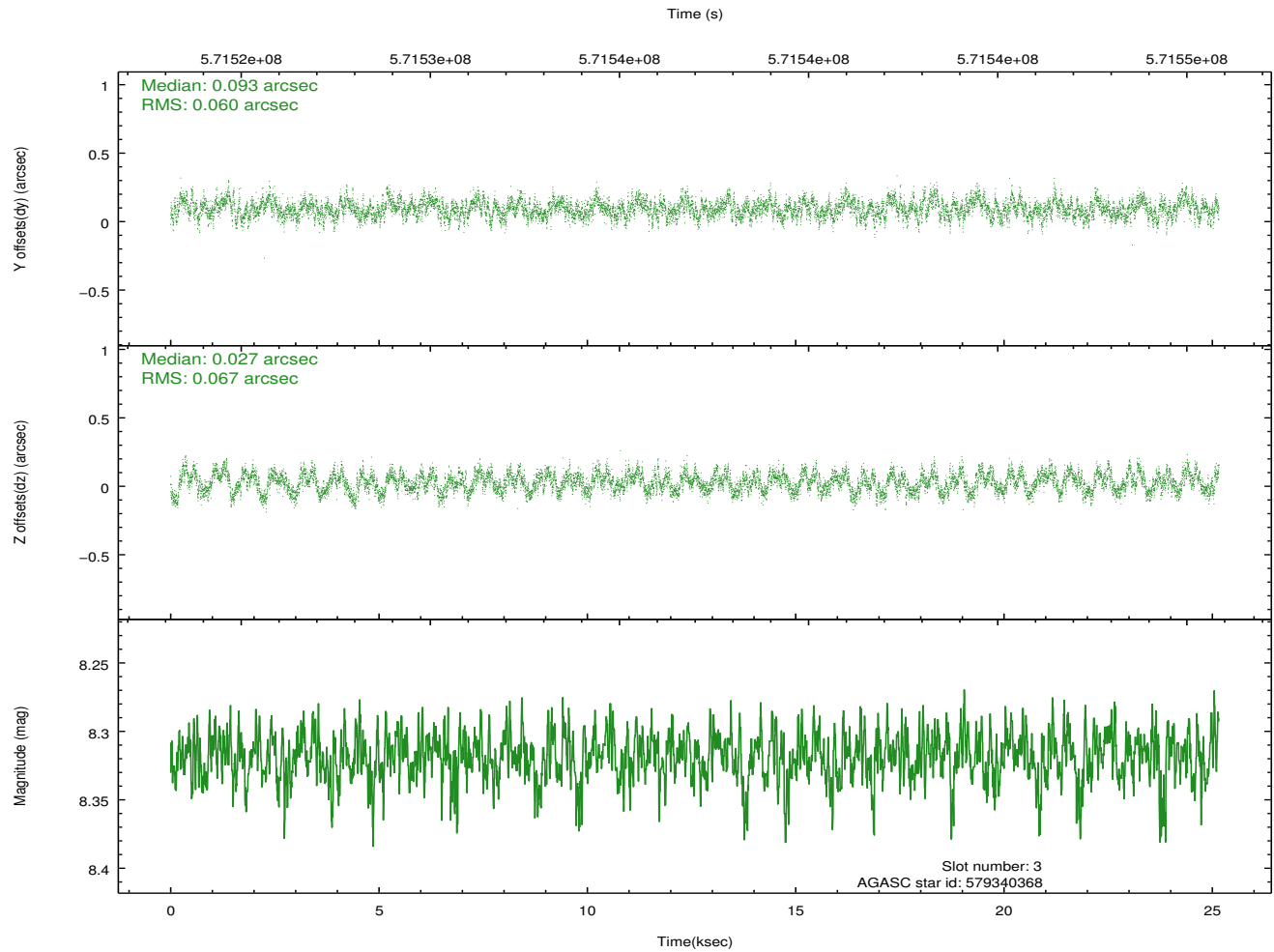
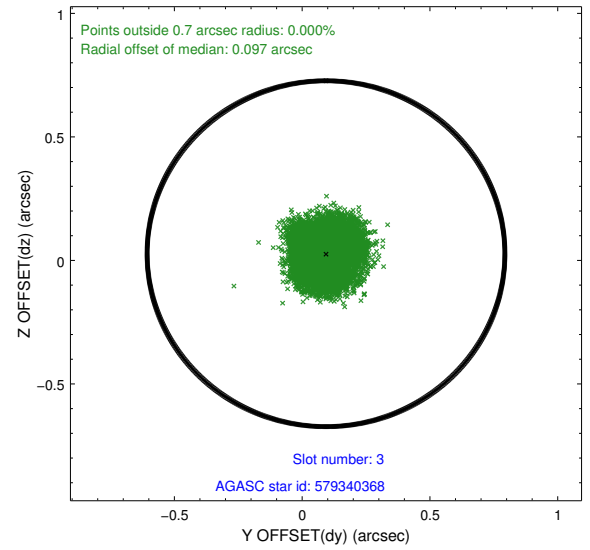
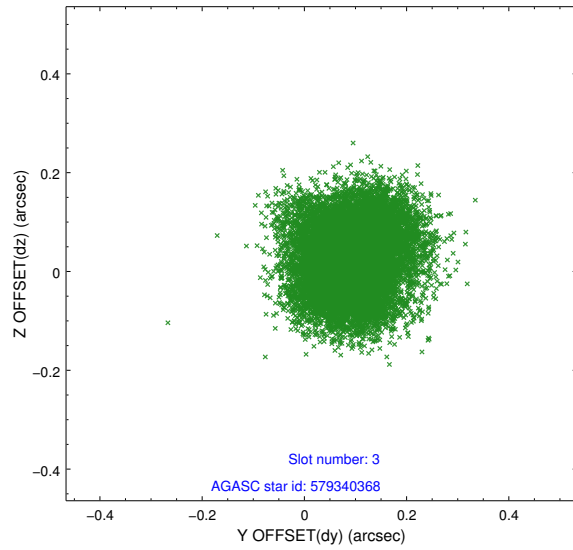


Slot Statistics

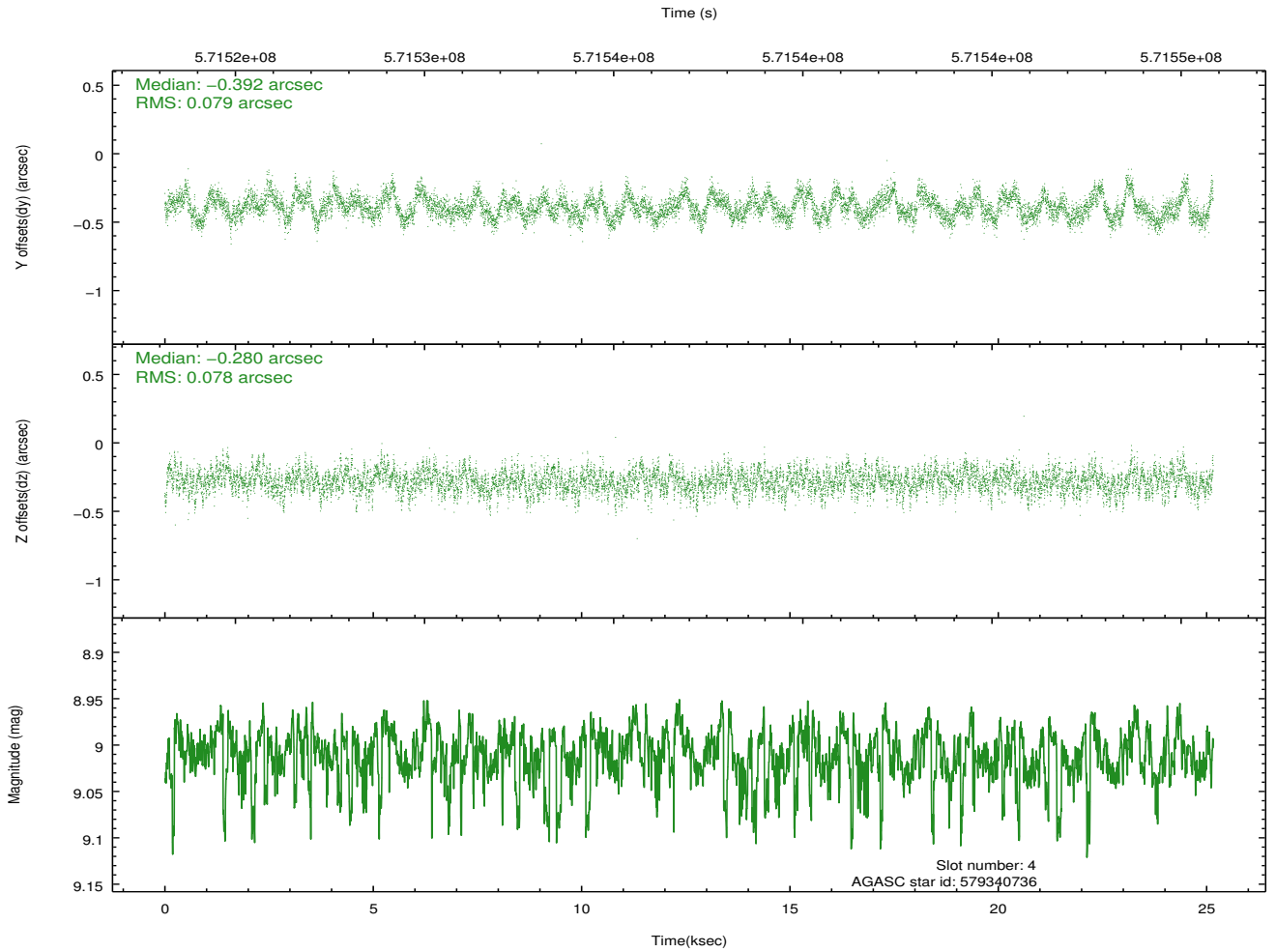
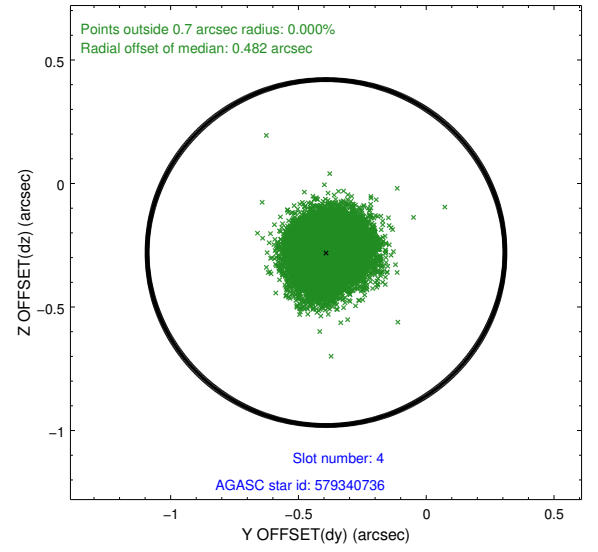
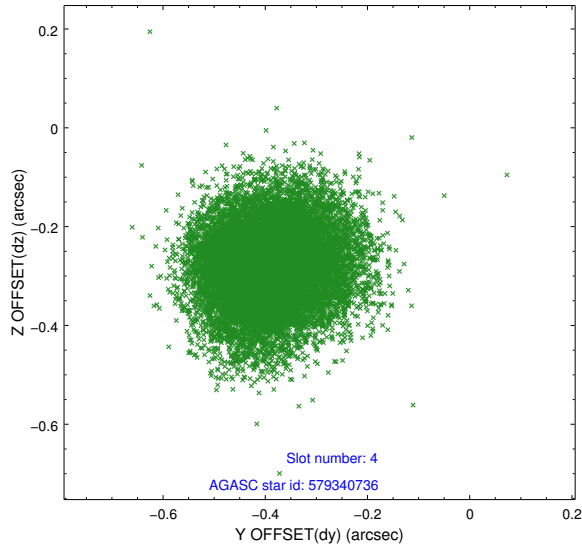
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	6136	-0.175	-0.145	0.013	0.022	0.000000	0.000000	-769.49	-1740.30
1	FID		ACIS-S-4	7.23	6136	0.434	0.123	0.010	0.024	0.000000	0.000000	2144.34	168.32
2	FID		ACIS-S-5	7.24	6137	-0.293	0.030	0.016	0.024	0.000000	0.000000	-1822.30	162.03
3	GUIDE	used	579340368	8.32	12267	0.093	0.027	0.098	0.151	251.597969	69.330258	1828.01	-827.17
4	GUIDE	used	579340736	9.01	12259	-0.392	-0.280	0.119	0.188	249.397116	69.321462	958.59	1832.05
5	GUIDE	used	579348184	9.29	12255	-0.121	-0.175	0.174	0.262	249.672252	69.661527	2229.94	1847.17
6	GUIDE	used	579357080	8.38	12263	0.145	0.060	0.086	0.141	249.808649	68.321045	-2340.27	287.17
7	GUIDE	used	579351840	8.94	12258	0.264	0.366	0.123	0.197	251.421596	68.258572	-1905.58	-1828.13

2.4 Star Slots

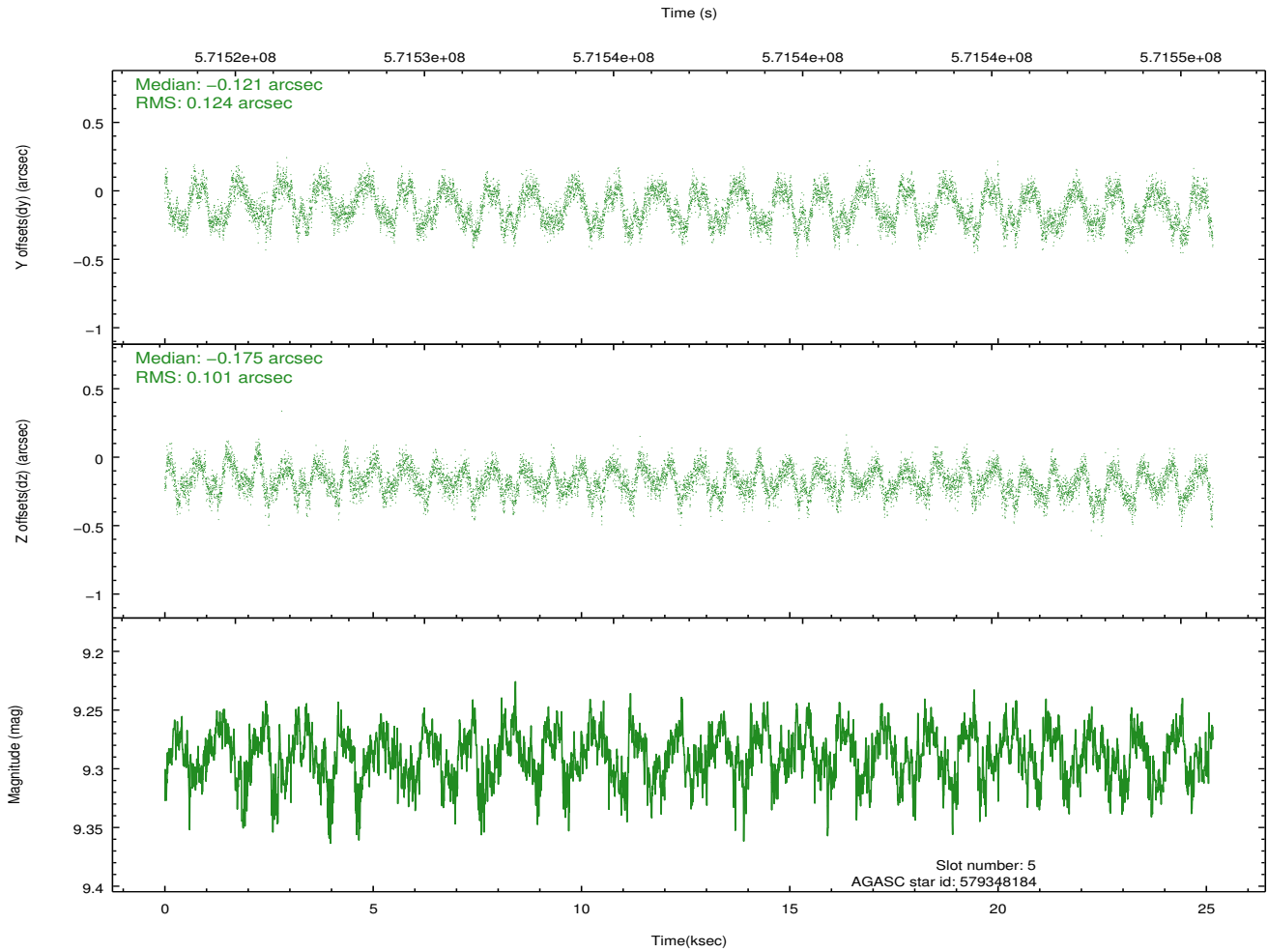
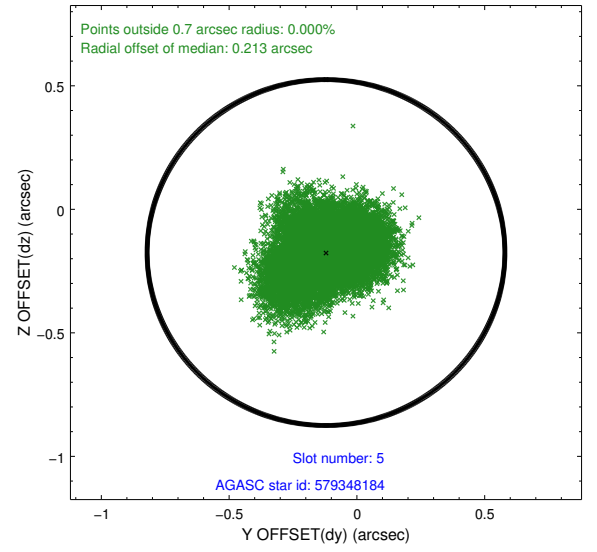
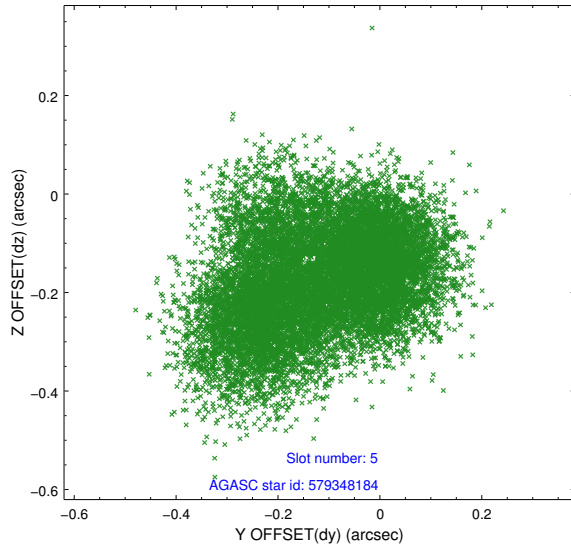
2.4.1 Slot 3



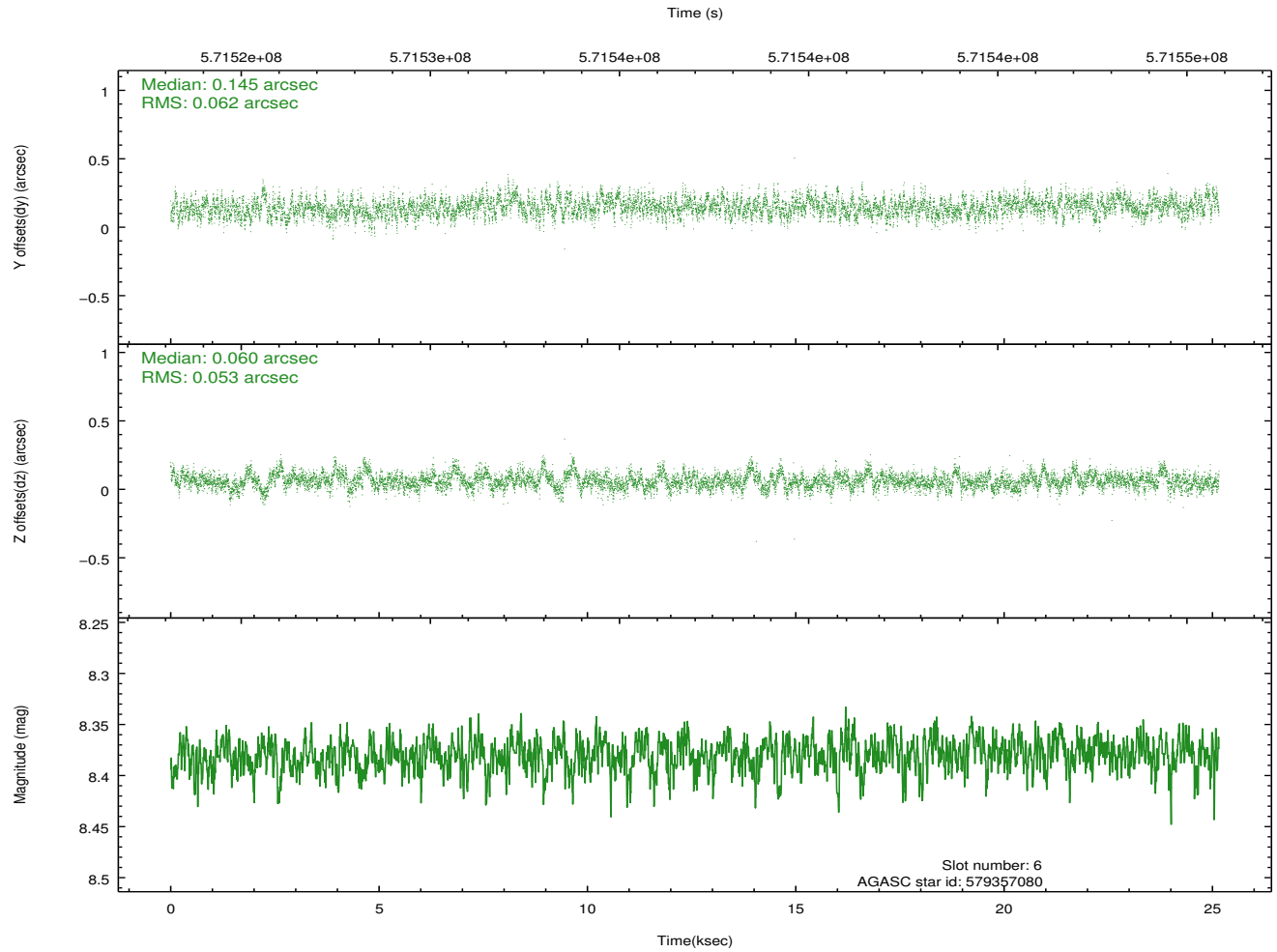
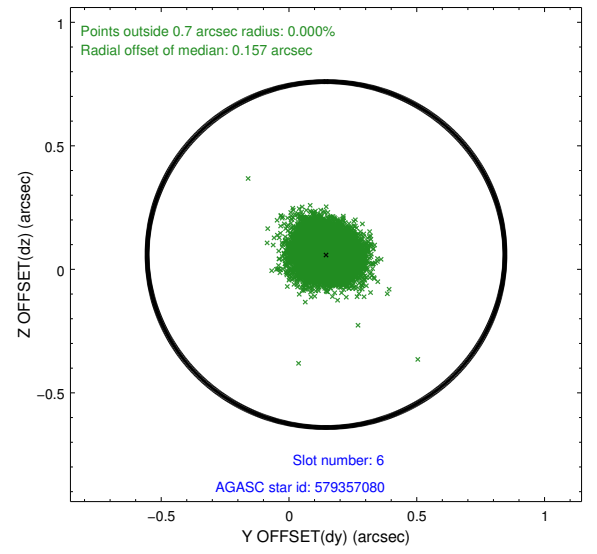
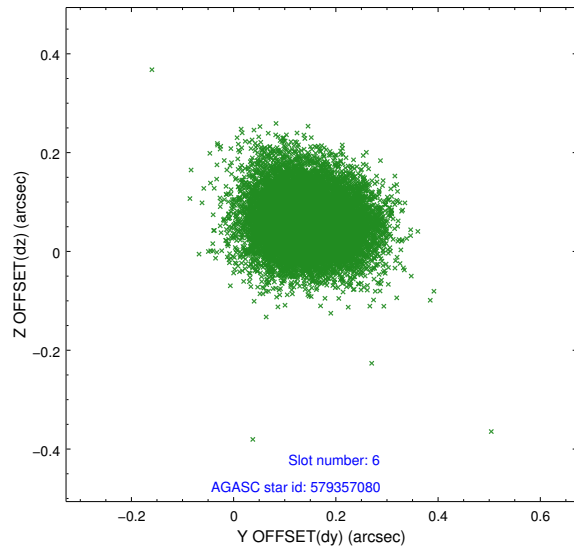
2.4.2 Slot 4



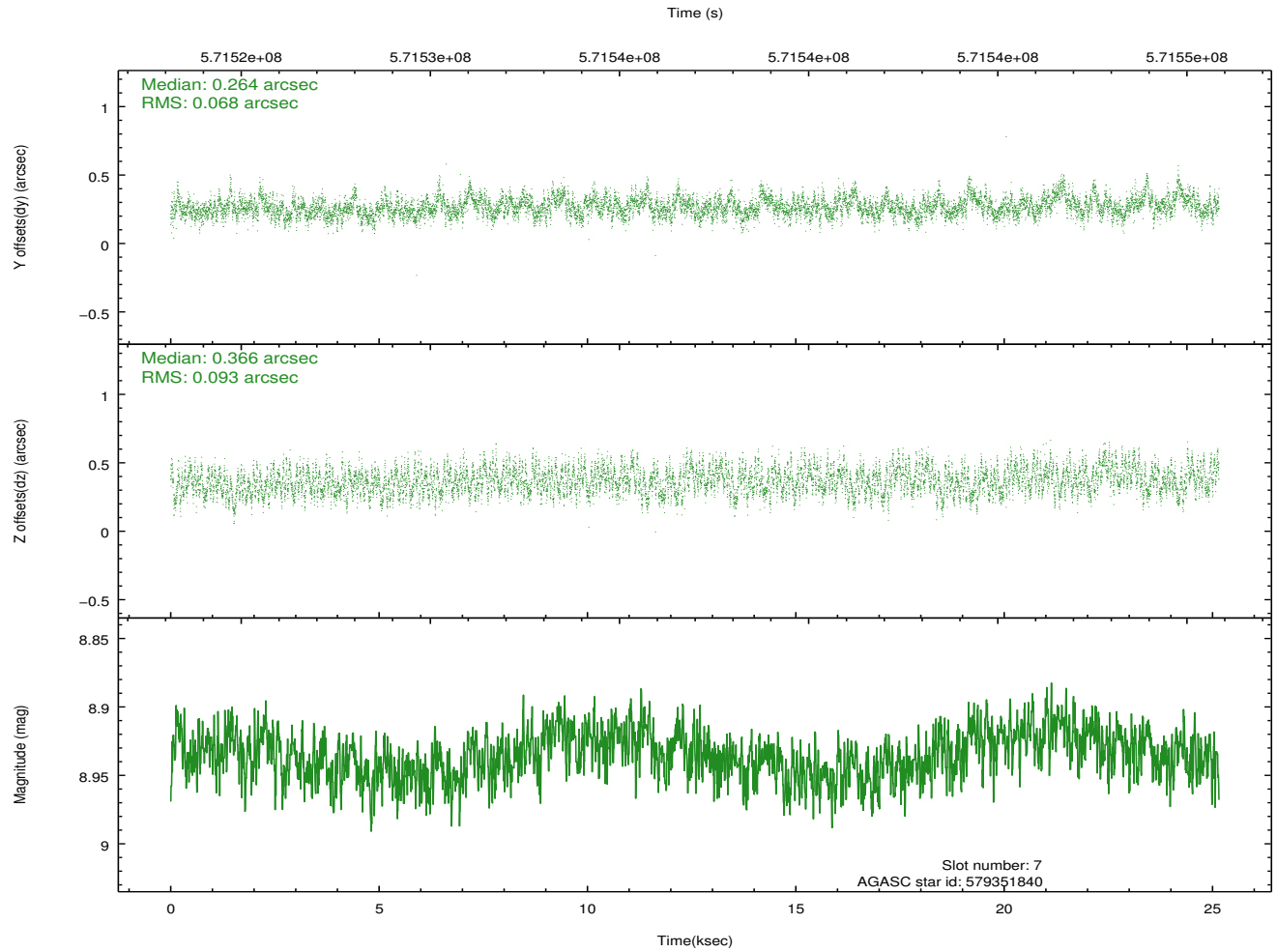
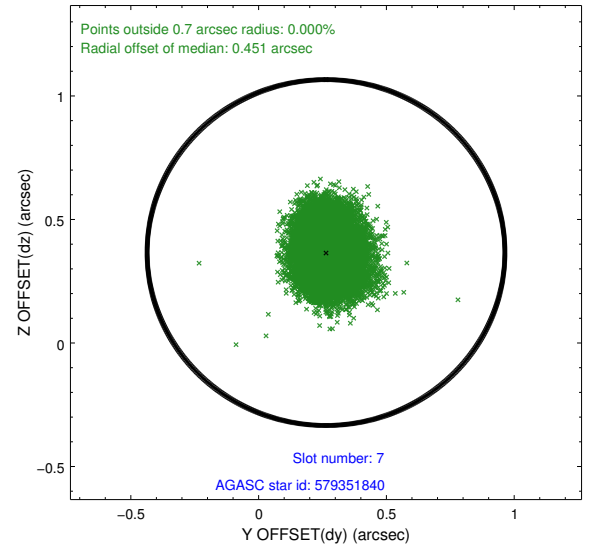
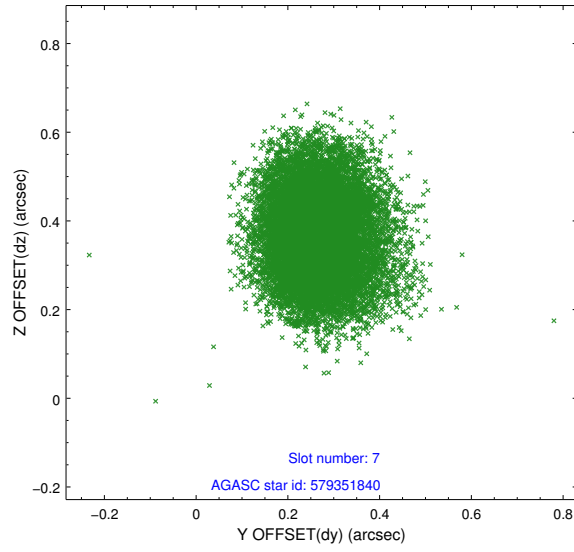
2.4.3 Slot 5



2.4.4 Slot 6

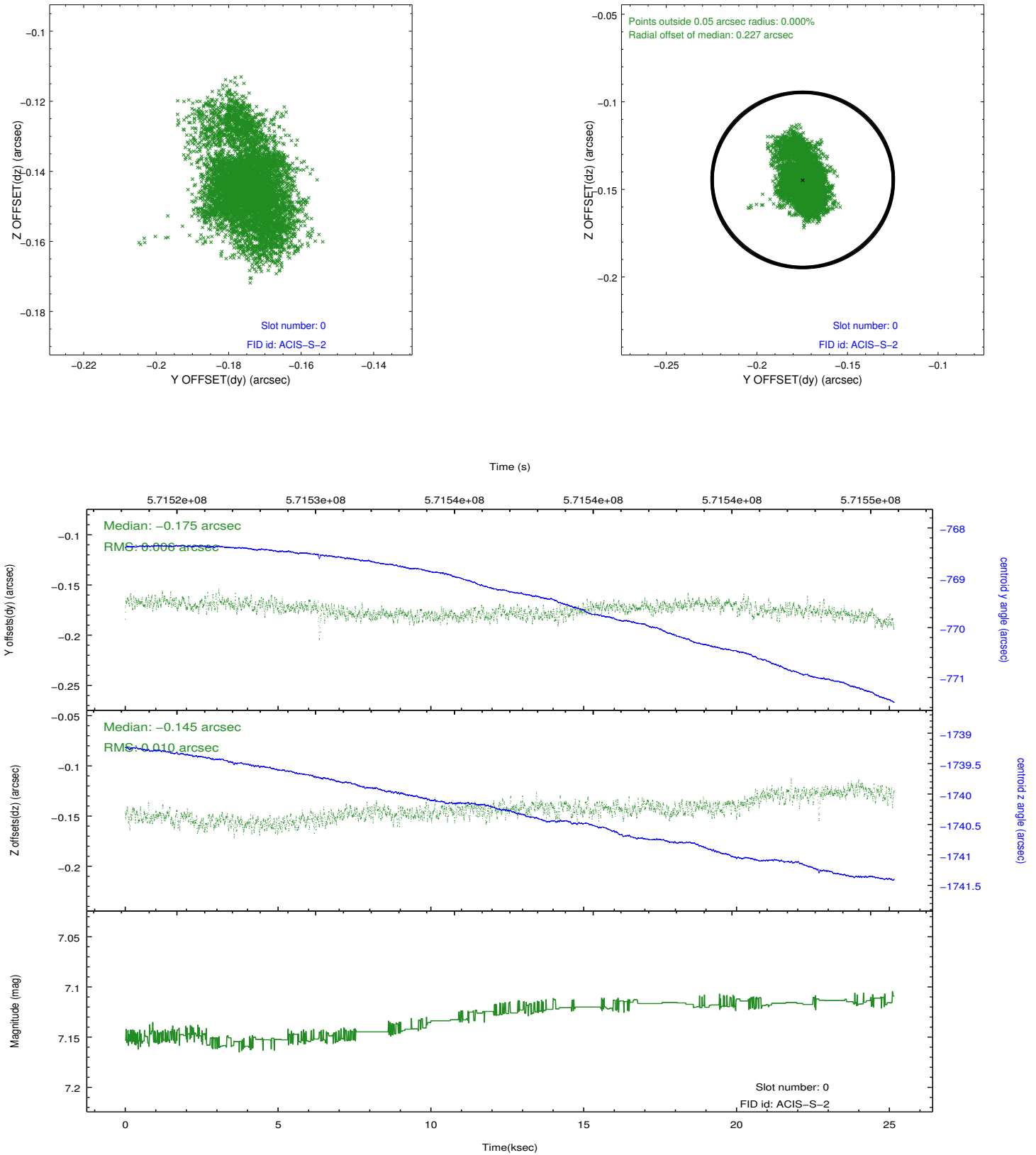


2.4.5 Slot 7

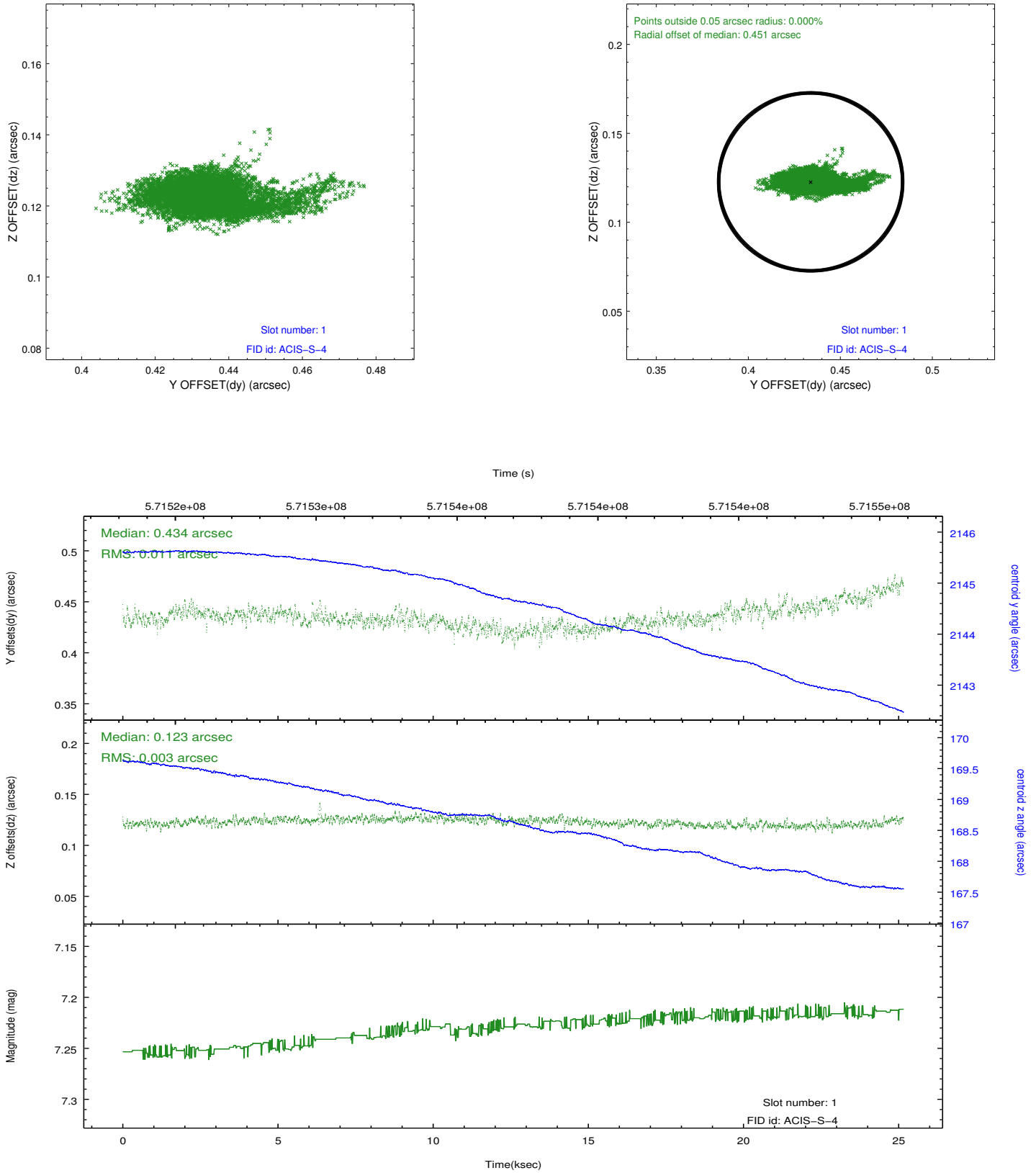


2.5 FID Slots

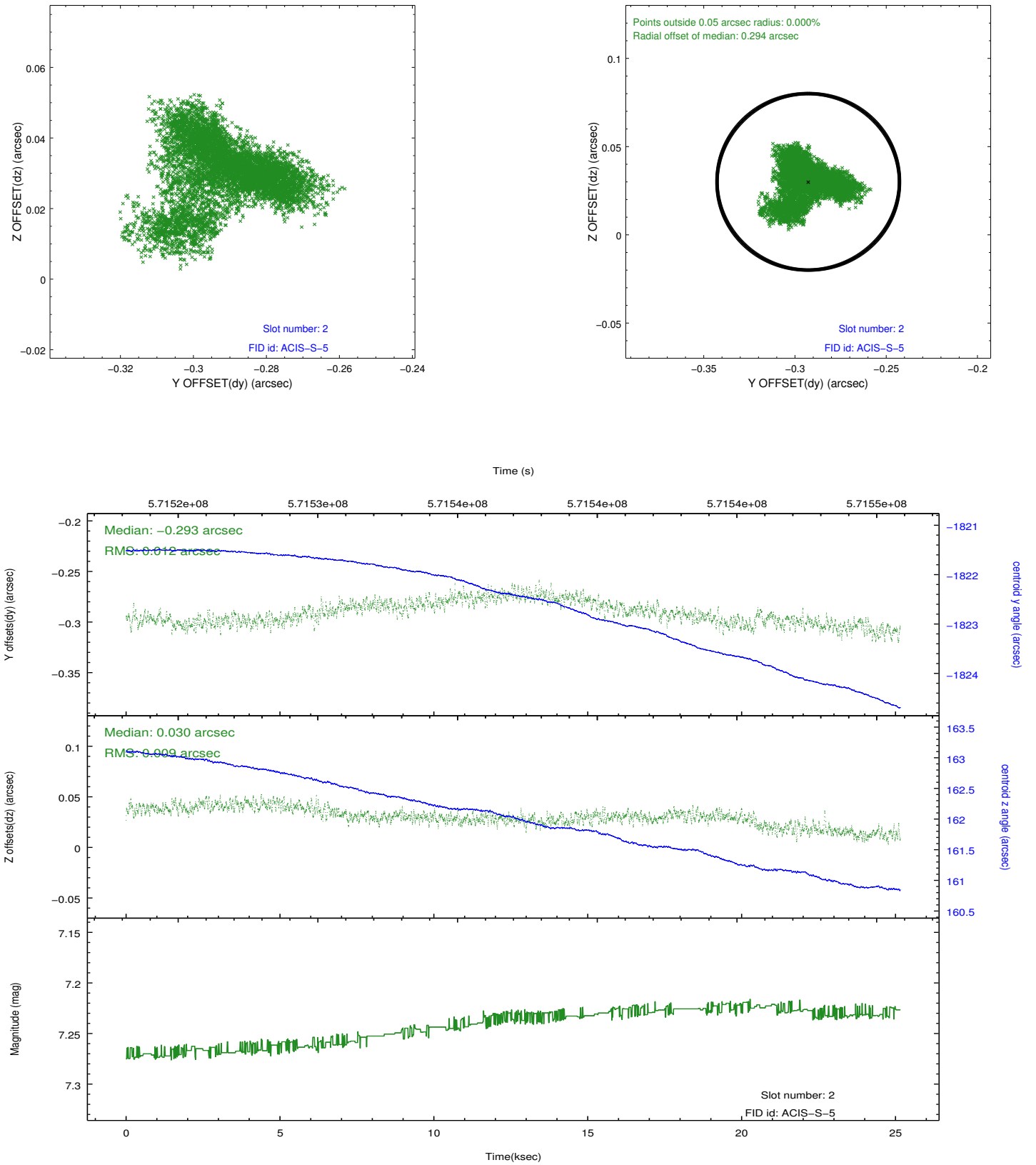
2.5.1 Slot 0



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)	2016.02.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.06079850626

A.2 Comments

Joint Proposal: HST. Roll preference met.