

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17178 - L2 Version 1
Chandra X-Ray Center

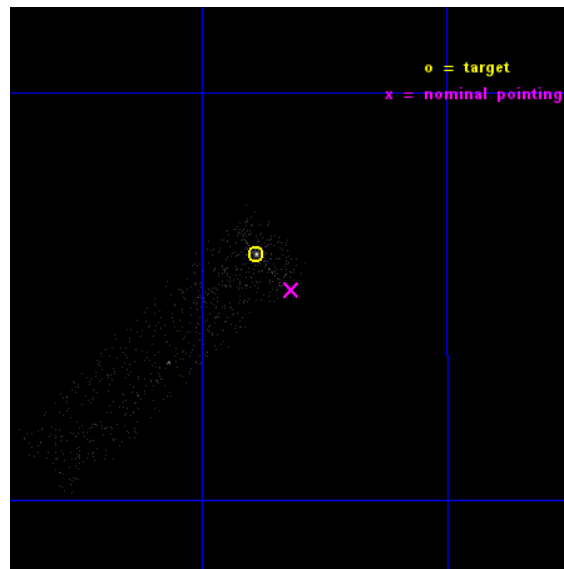
L2 Processing Date : Feb 28 2015

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1 Front

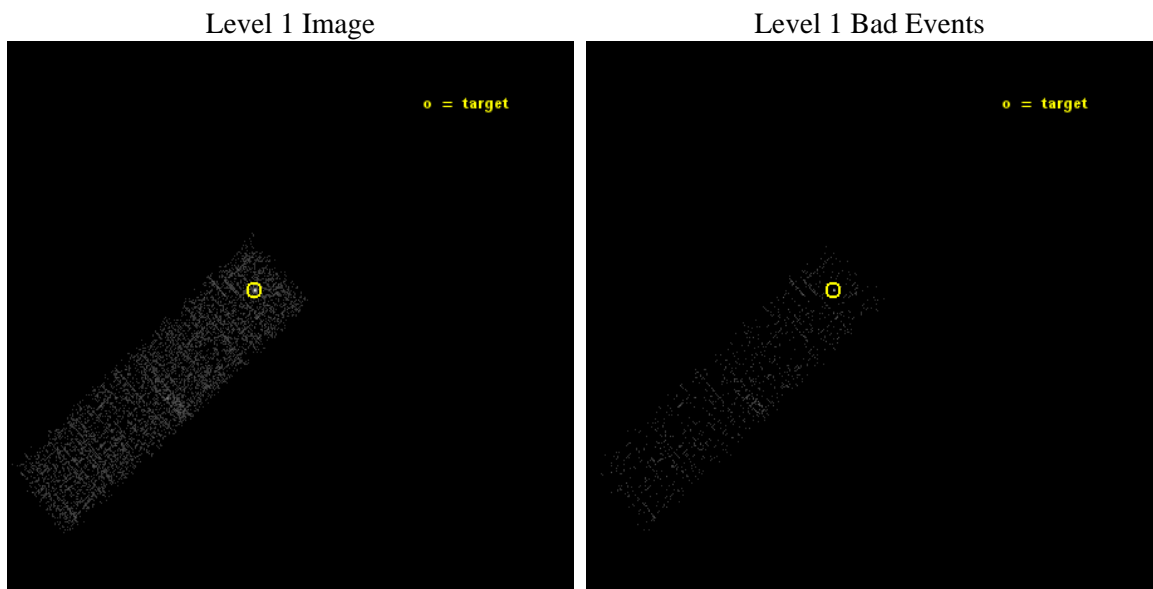
seq_num	801461	Sequence number
obs_id	17178	Observation id
title	UNMASKING GALAXY CLUSTERS MASQUERADING AS QUASARS	Proposal title
observer	Dr Megan Donahue	Principal investigator
object	RXCJ090953.9+310558	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	137.472083	Observer's specified target RA [deg]
dec_targ	31.100889	Observer's specified target Dec [deg]
ra_nom	137.45412737984	Nominal RA [deg]
dec_nom	31.086231079562	Nominal Dec [deg]
roll_nom	228.13007510314	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5064.4942237139	Sum of GTIs [s]
livetime	4817.363477327	Livetime [s]
ontime3	5064.4942237139	Sum of GTIs [s]
l2events	3071	Number of level 2 events



2 OBI

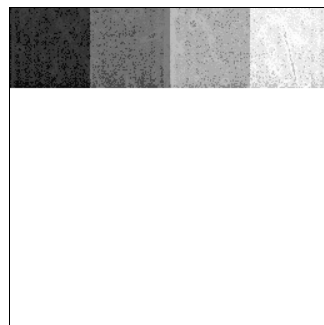
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	5064.4942237139	Sum of GTIs [s]
caldsver	4.6.7	 	ontime3	5064.4942237139	Sum of GTIs [s]
date	2015-02-28T11:51:49	Date and time of file creation	l1events	9737	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 3
level 1 events	9737
rejected events	6534
rejected %	67%

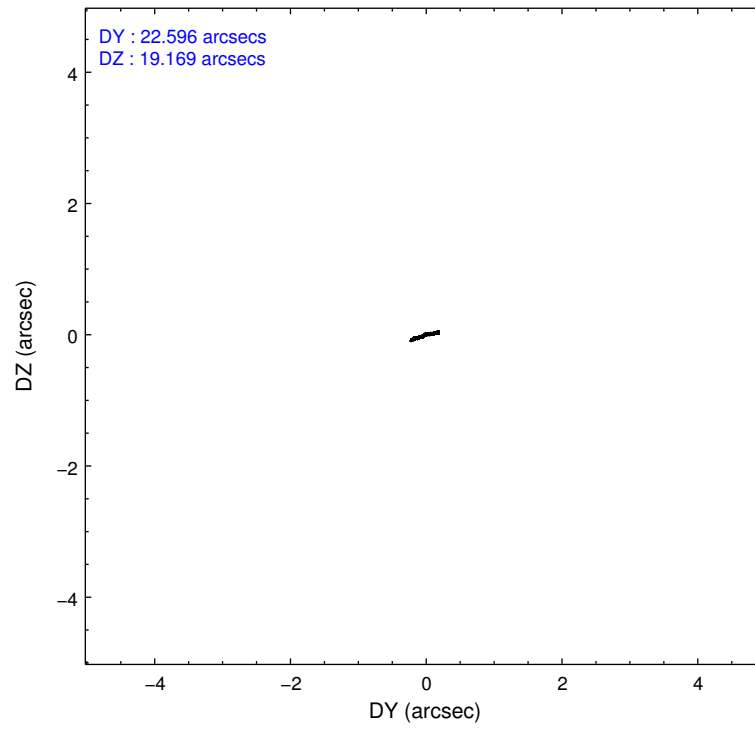
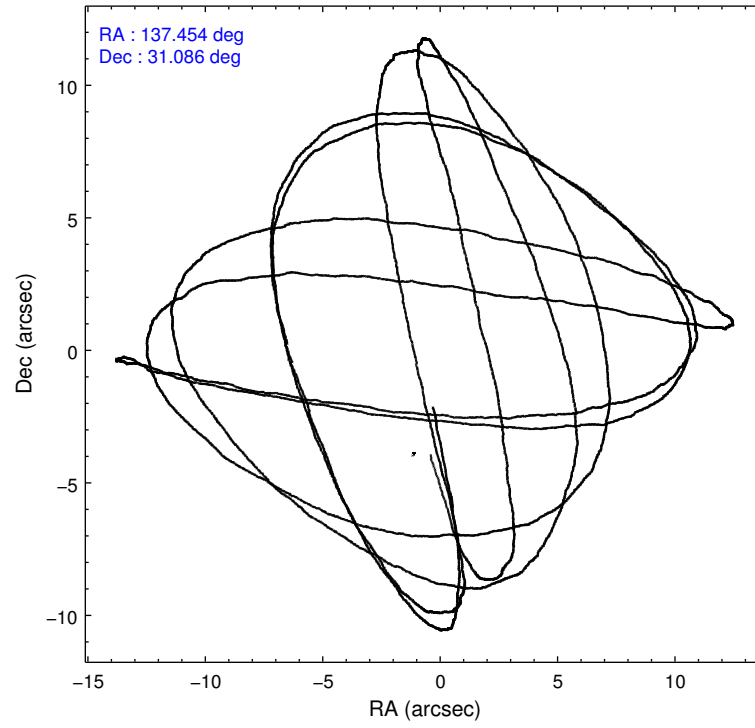
	ccd 3
grade 0 events	2181
	22%
grade 1 events	101
	1%
grade 2 events	416
	4%
grade 3 events	227
	2%
grade 4 events	211
	2%
grade 5 events	321
	3%
grade 6 events	168
	1%
grade 7 events	6112
	62%

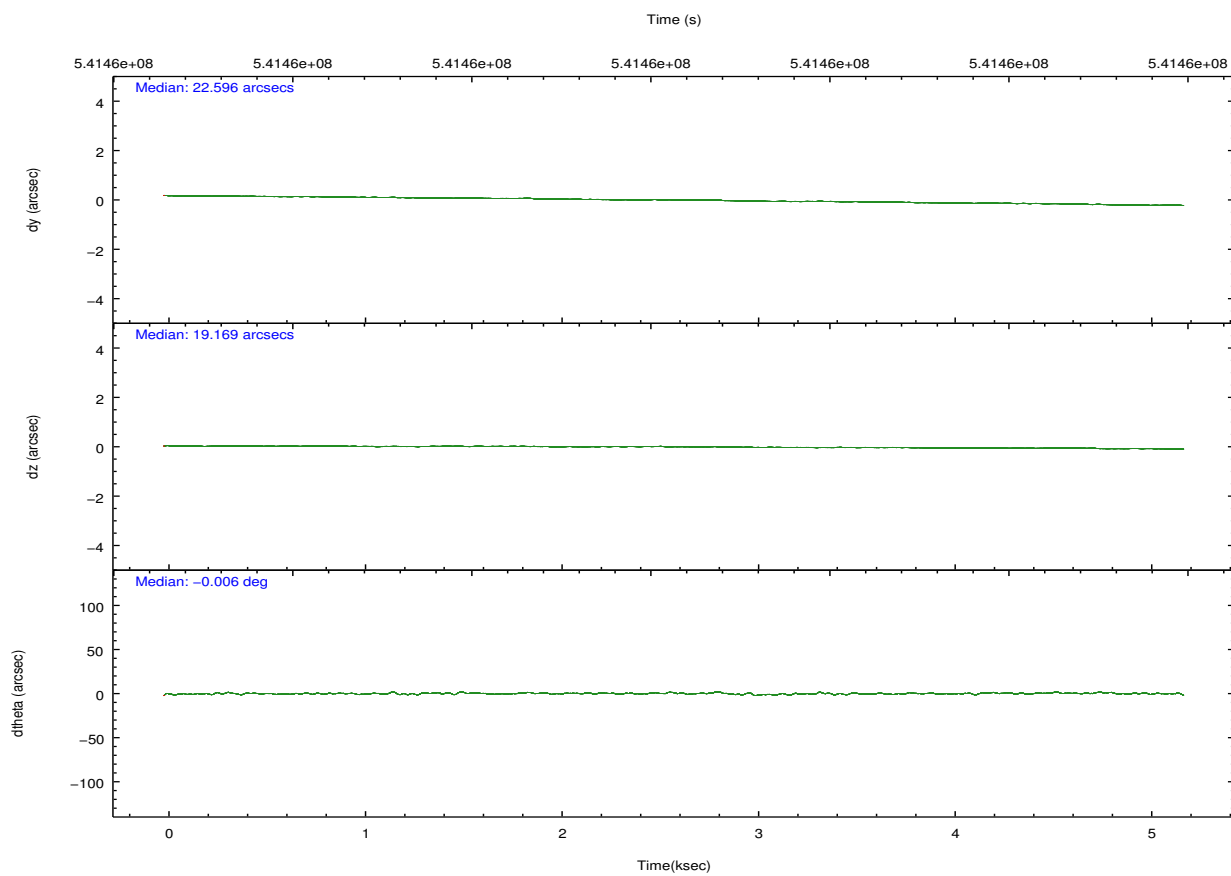
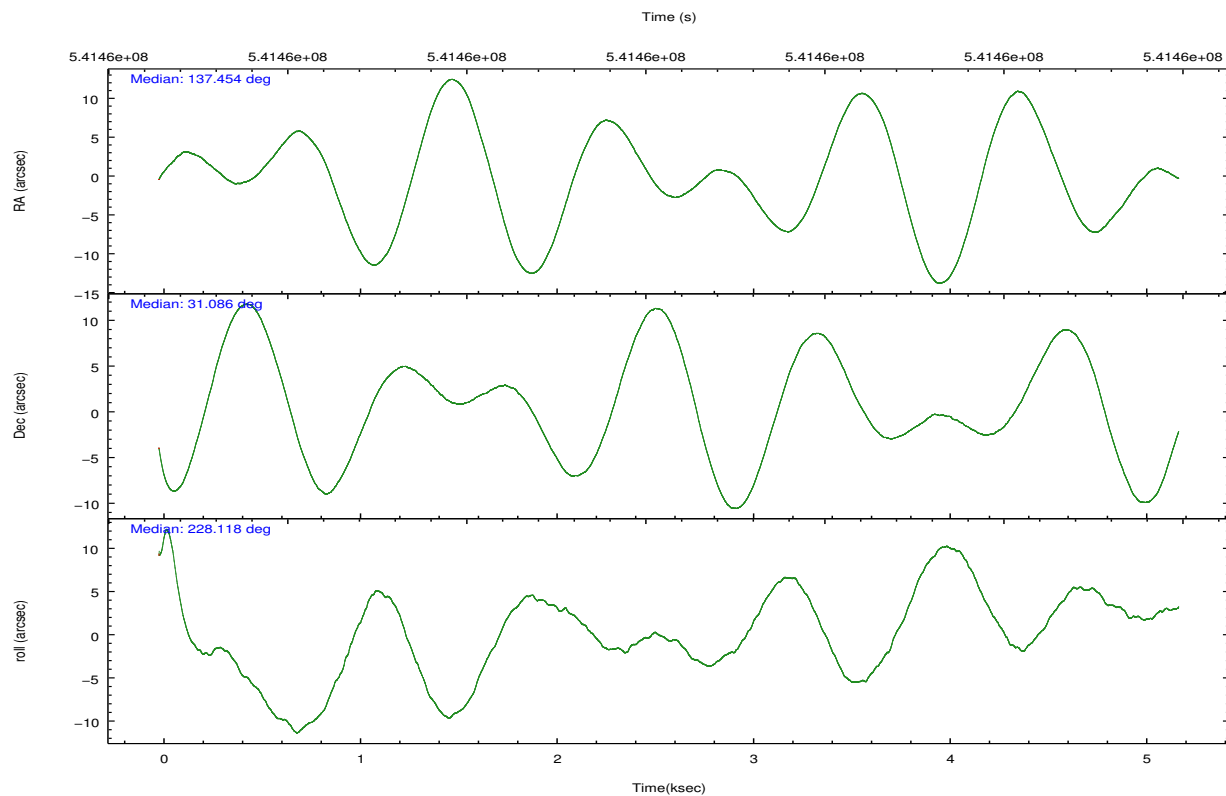
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3	ACIS-3
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	137.460587	137.4541273798379
[deg] Pointing Dec	31.113368	31.08623107956174
[deg] Pointing Roll	227.918046	228.1300751031448
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	541457699.184000	541456832.08119
Observation start date	2015-02-27T20:53:52	2015-02-27T20:40:32
[s] Observation end time (MET)	541462699.184000	541463484.8440599
Observation end date	2015-02-27T22:17:12	2015-02-27T22:31:24
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	769	769
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

2.3 Aspect



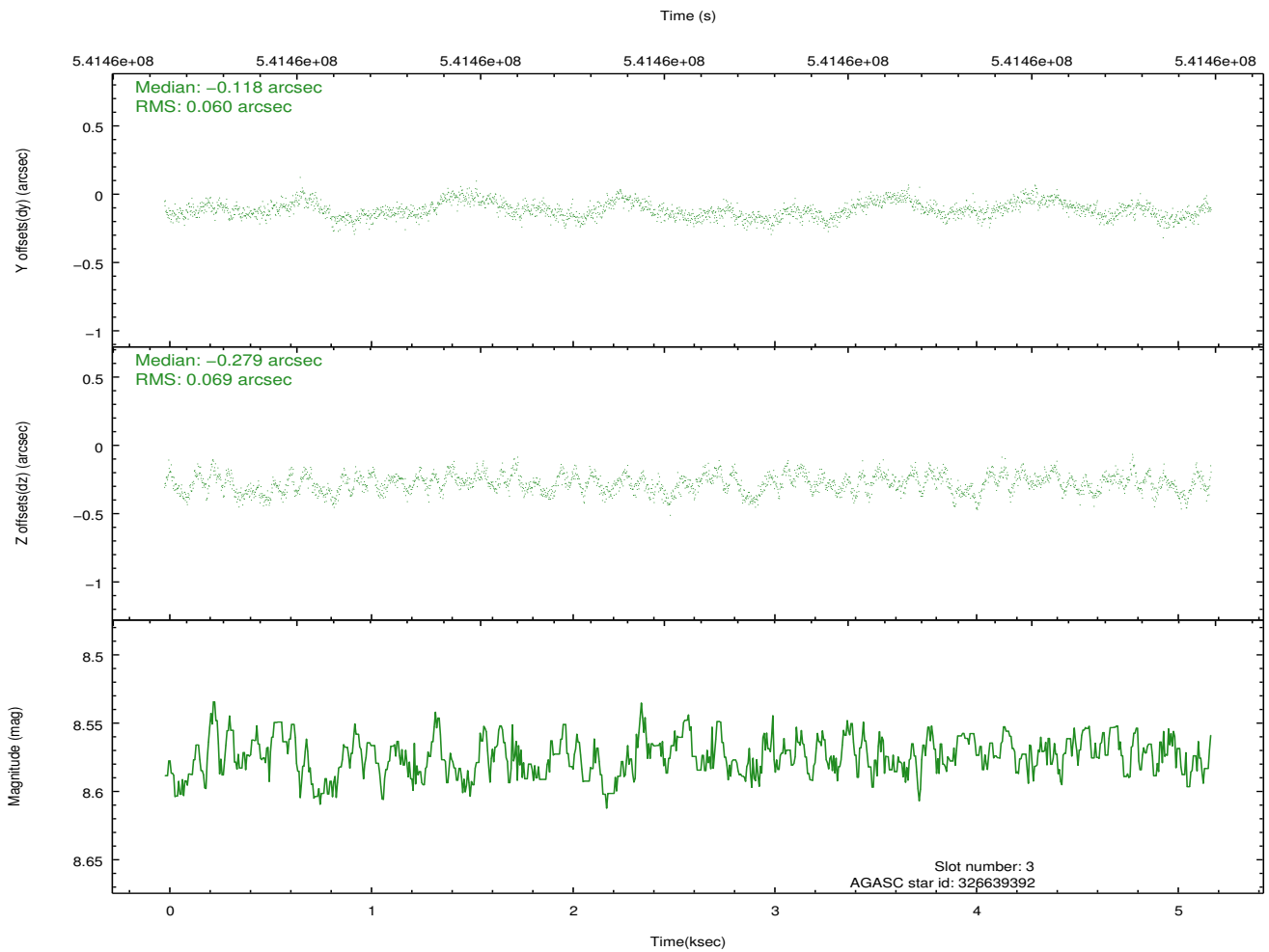
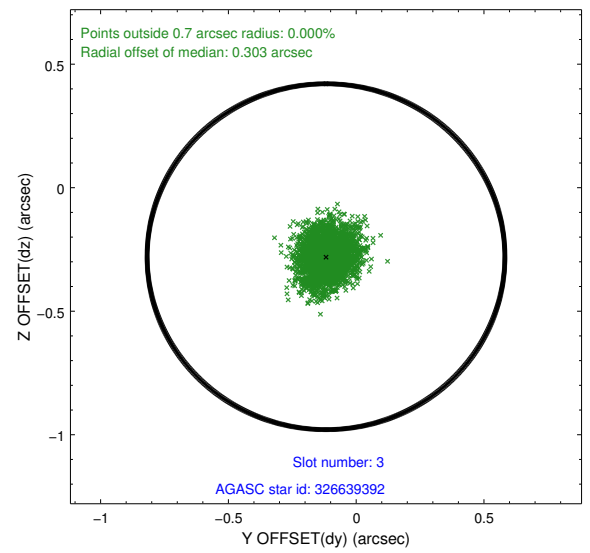
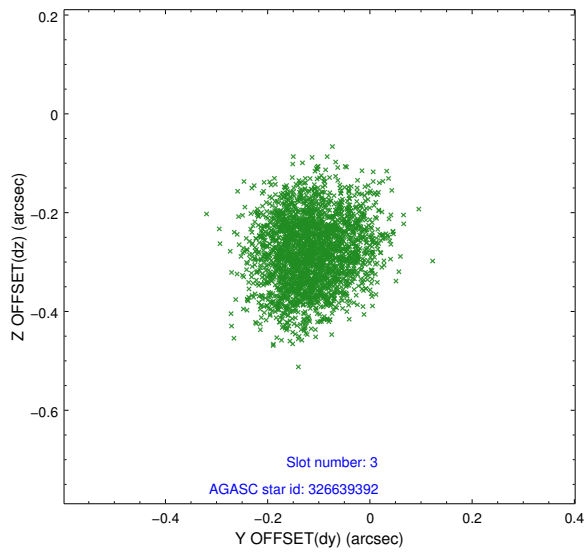


Slot Statistics

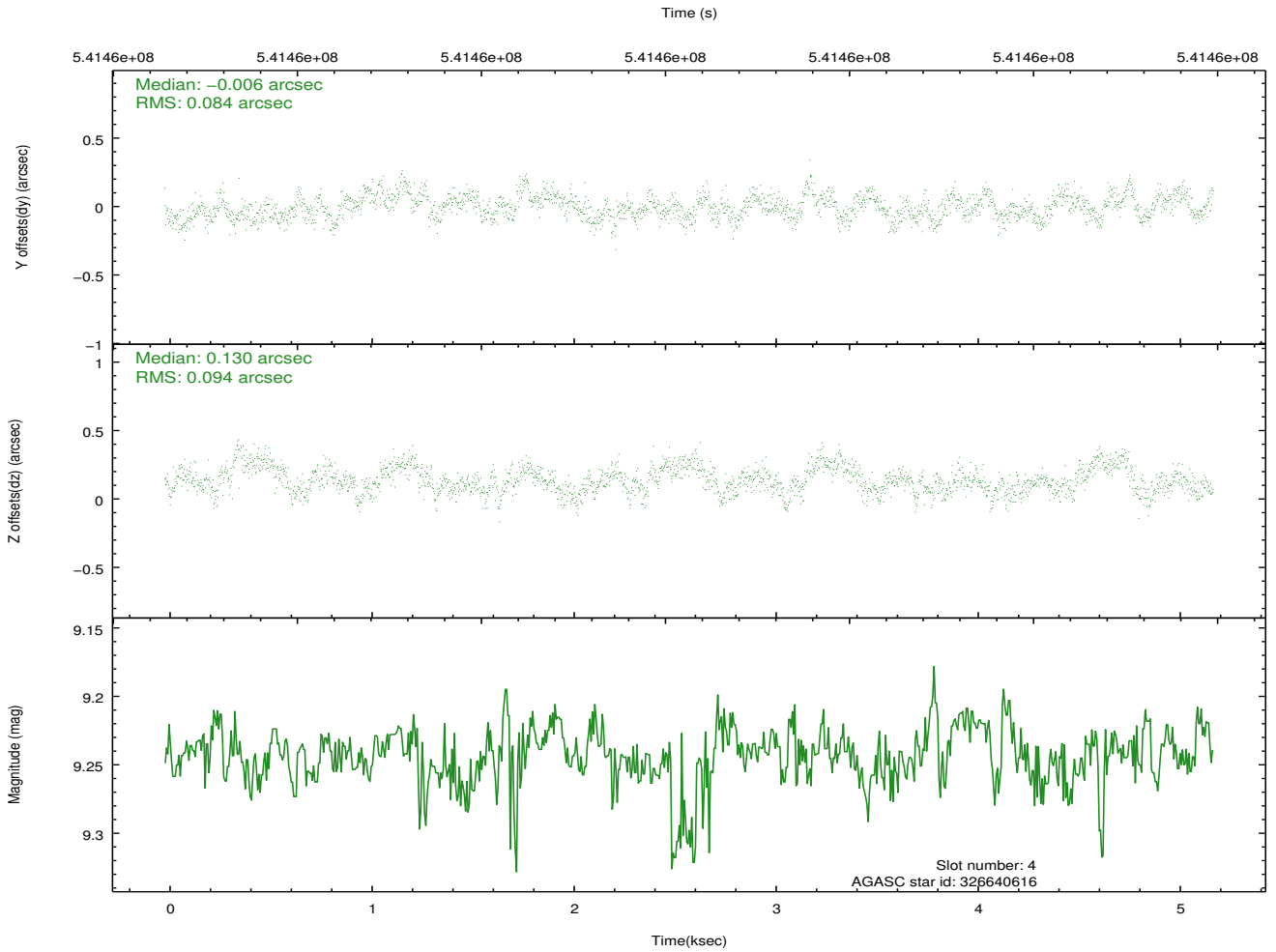
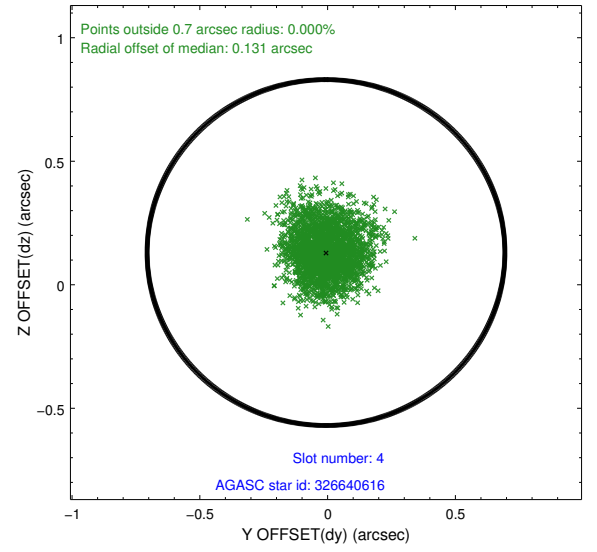
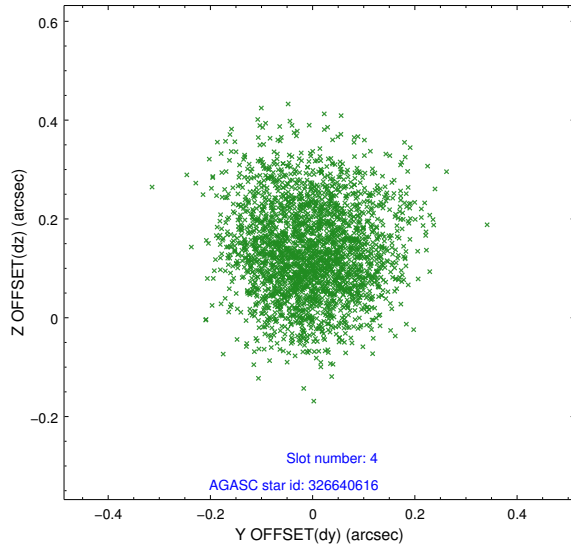
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-4	7.20	1266	0.317	0.046	0.007	0.012	0.000000	0.000000	2136.87	1057.22
1	FID		ACIS-I-5	7.25	1266	-0.459	0.024	0.006	0.010	0.000000	0.000000	-1830.37	1055.43
2	FID		ACIS-I-6	7.26	1266	0.042	-0.003	0.008	0.015	0.000000	0.000000	380.86	1699.89
3	GUIDE	used	326639392	8.57	2529	-0.118	-0.279	0.099	0.155	137.626996	30.361101	1663.05	2198.00
4	GUIDE	used	326640616	9.24	2530	-0.006	0.130	0.134	0.212	137.026322	31.074932	999.89	-901.94
5	GUIDE	used	326641080	9.14	2531	0.024	0.452	0.106	0.169	136.743258	31.397636	713.74	-2326.87
6	GUIDE	used	326643336	9.25	2530	0.105	-0.101	0.143	0.235	136.607782	30.913337	2293.31	-1480.14
7	GUIDE	used	326644336	8.25	2530	-0.015	-0.212	0.089	0.142	137.409185	30.712794	1178.63	847.53

2.4 Star Slots

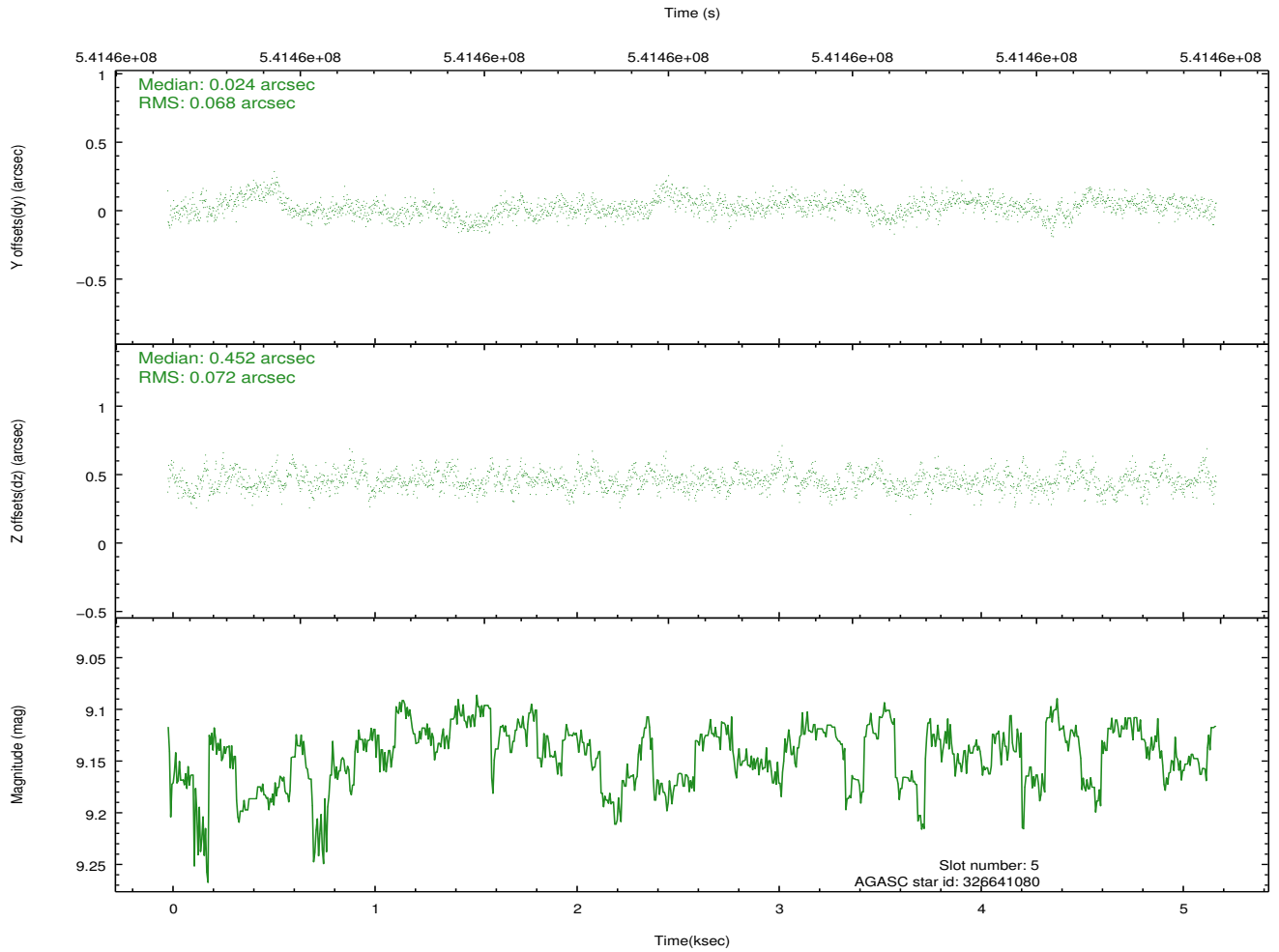
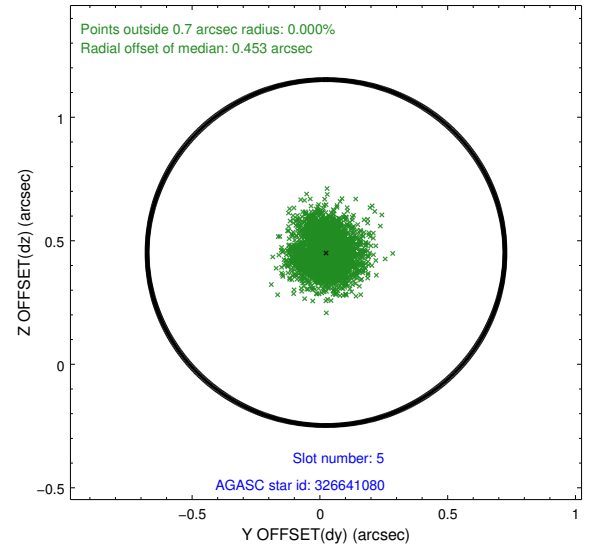
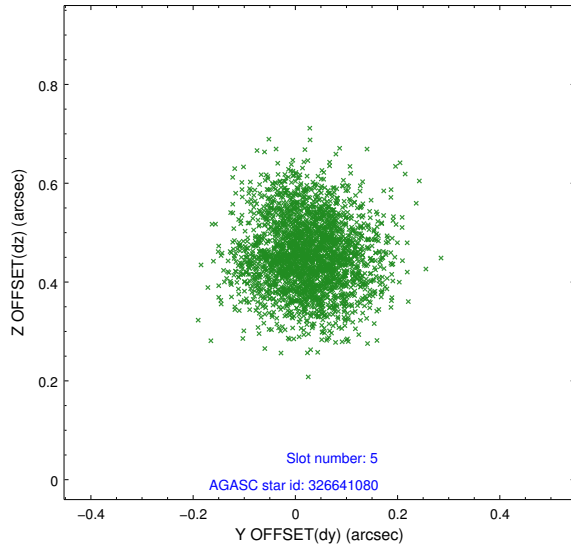
2.4.1 Slot 3



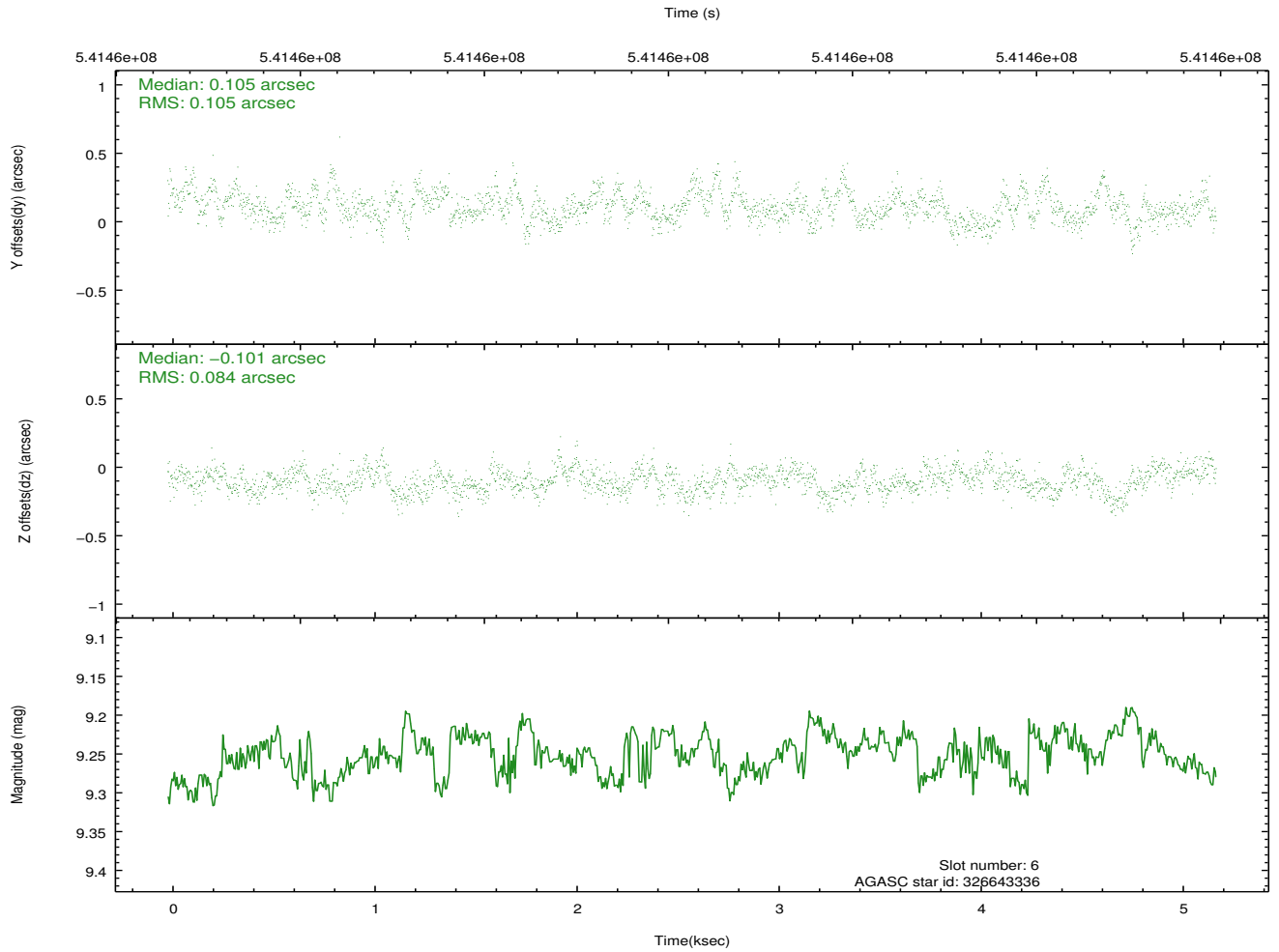
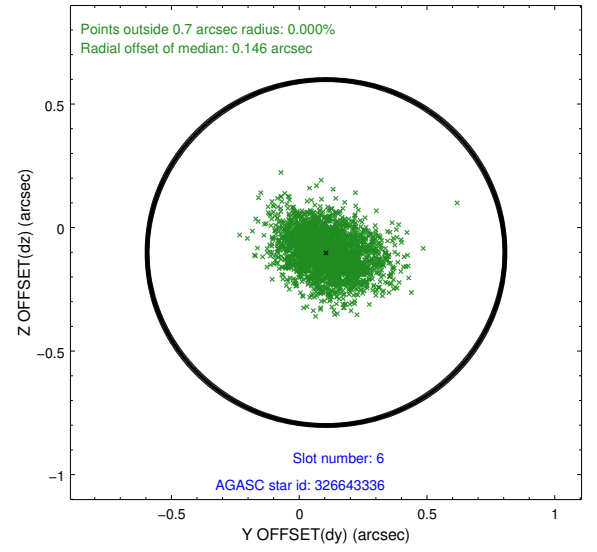
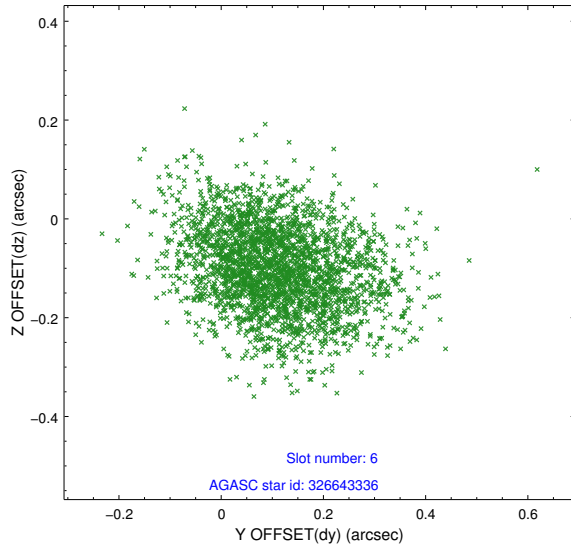
2.4.2 Slot 4



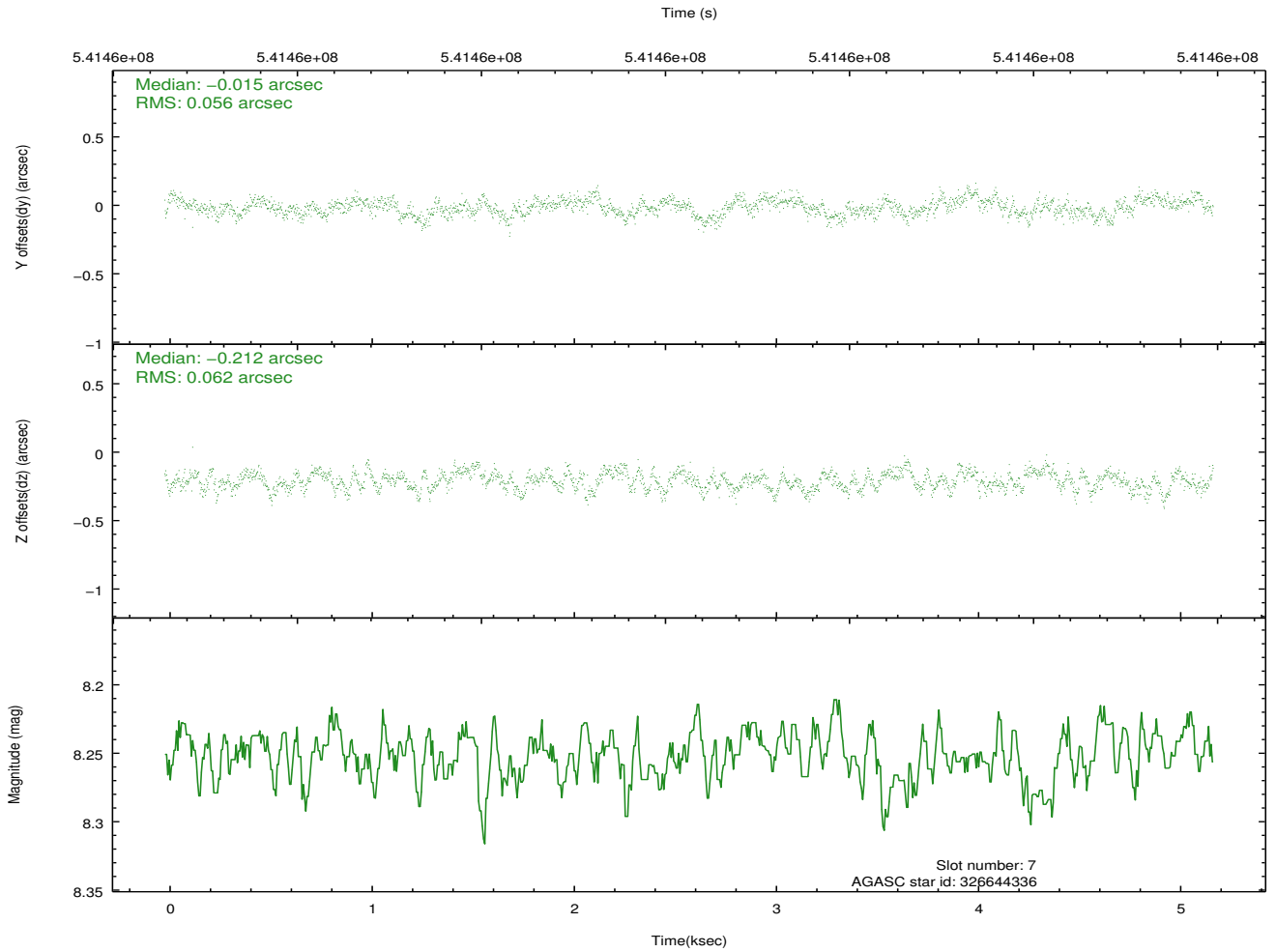
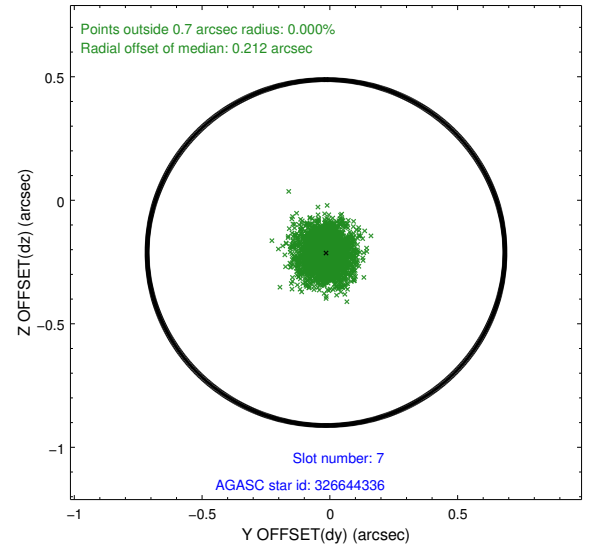
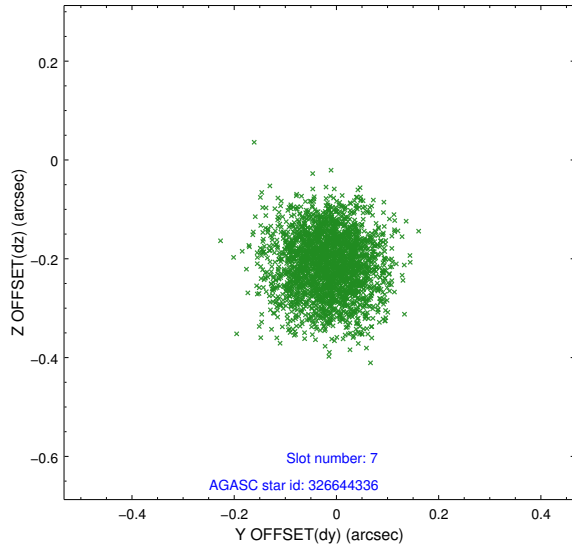
2.4.3 Slot 5



2.4.4 Slot 6

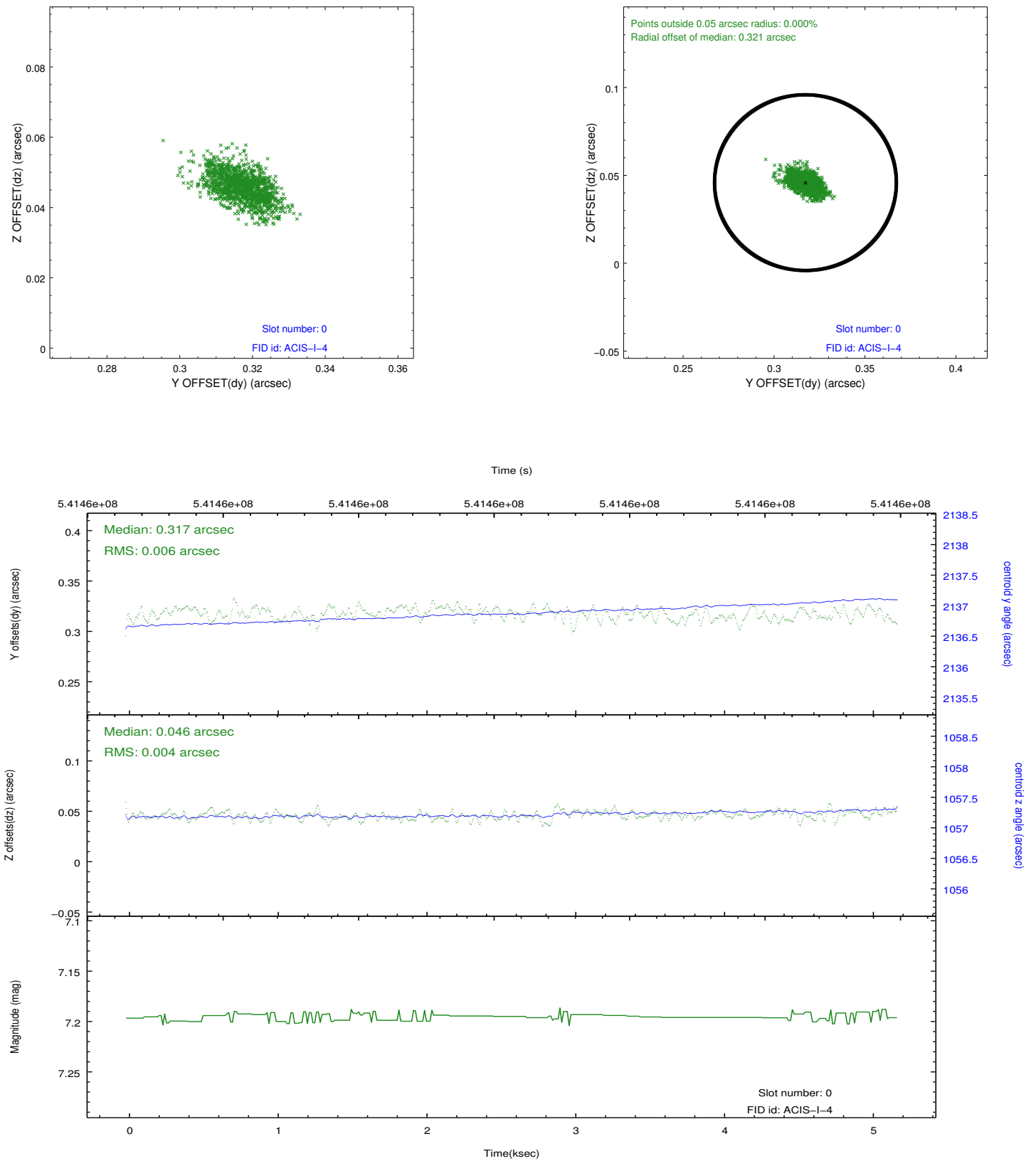


2.4.5 Slot 7

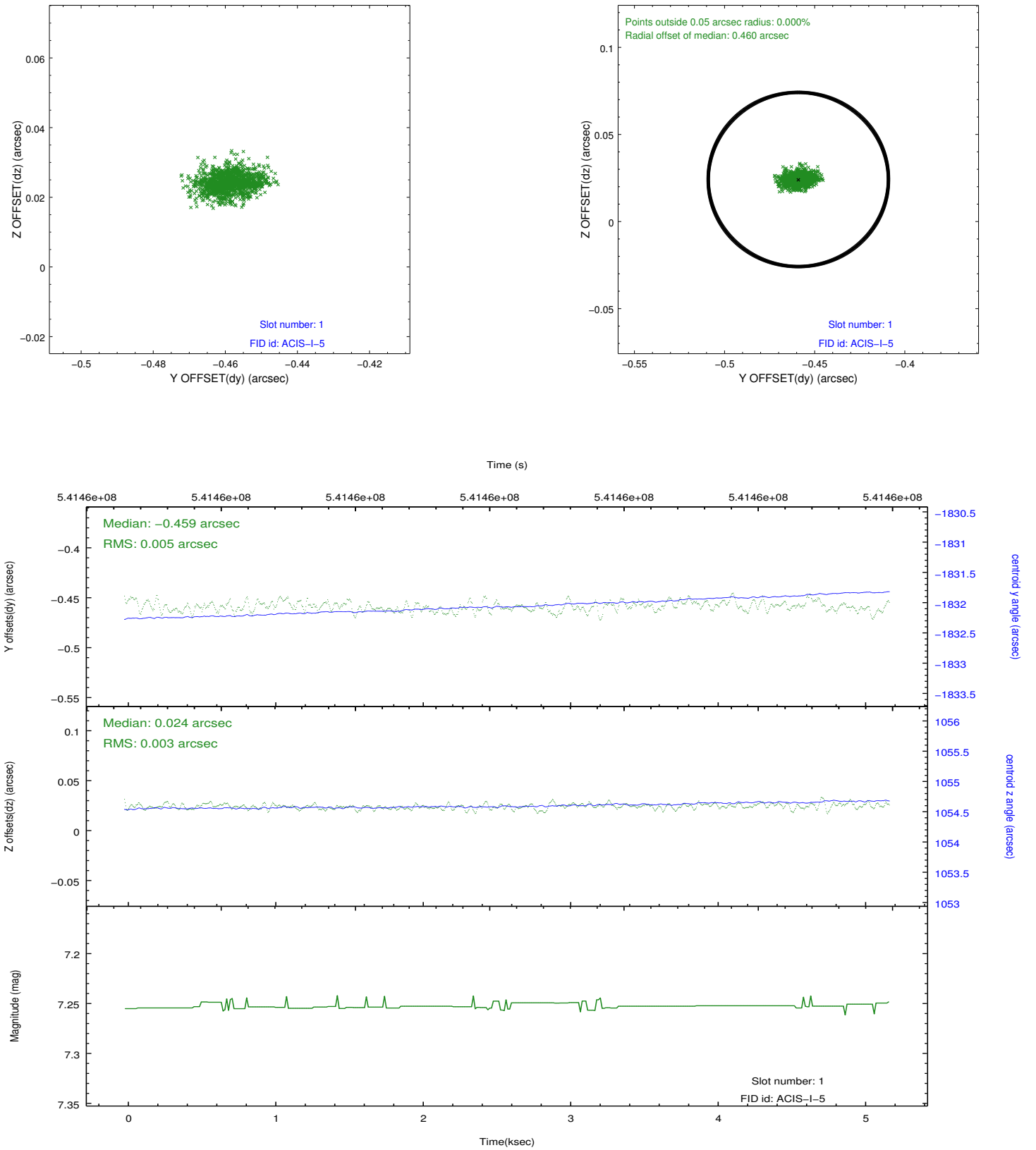


2.5 FID Slots

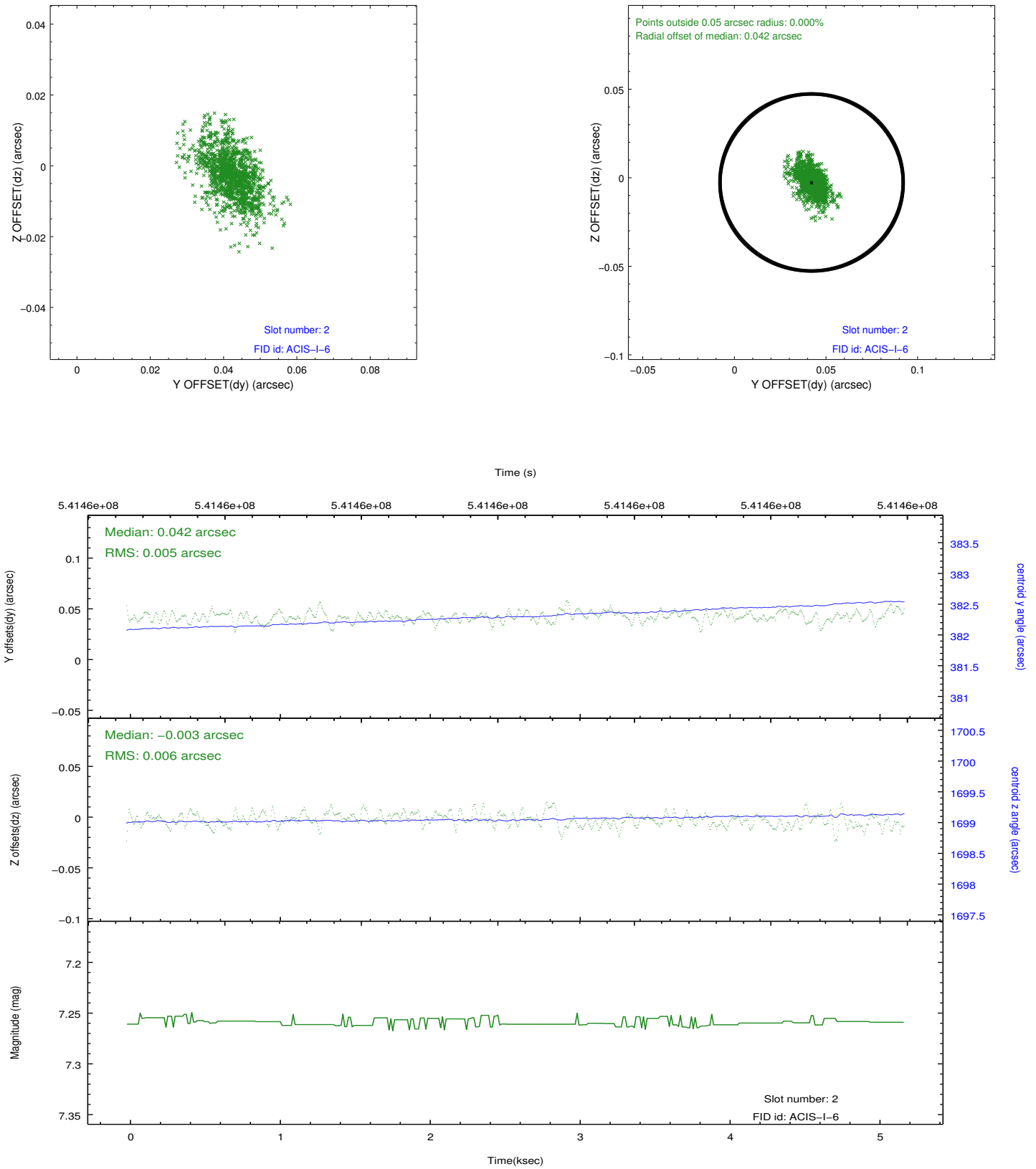
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0644942237139

A.2 Comments