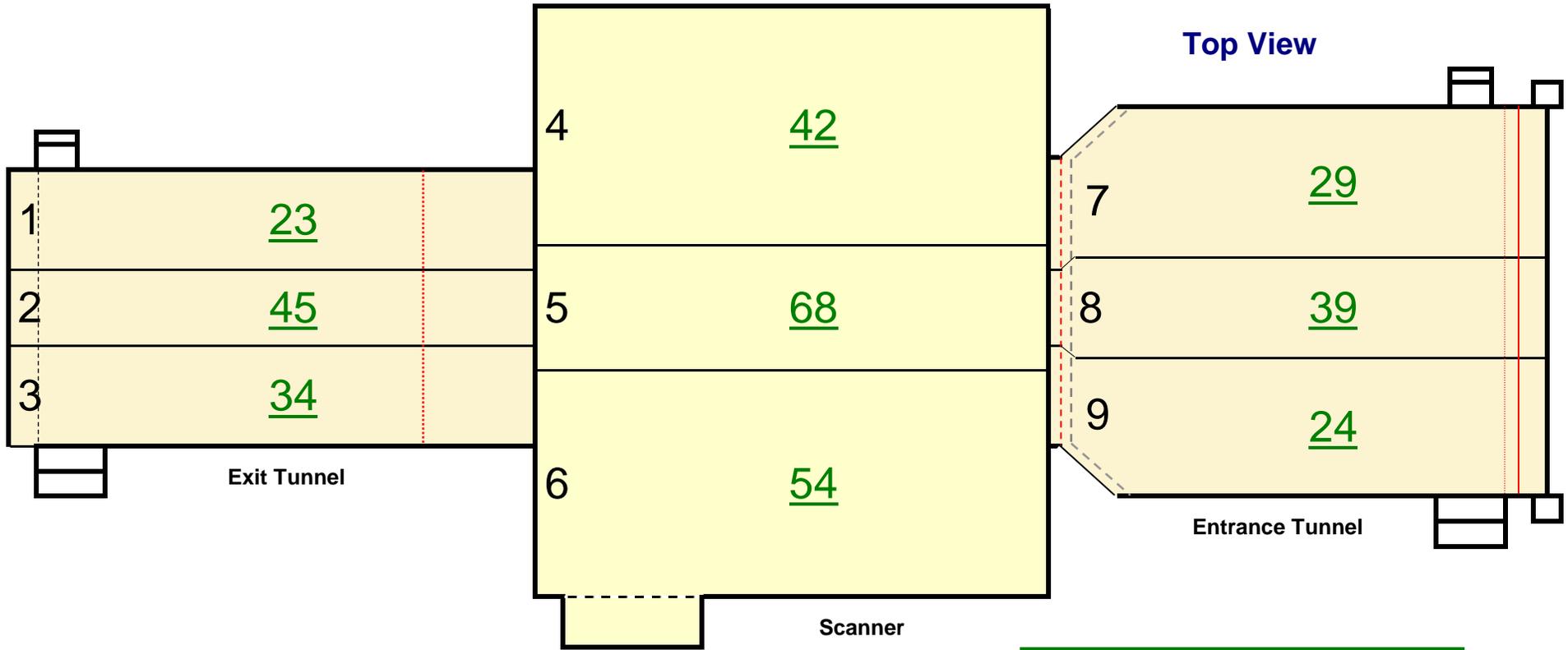


RADIATION SURVEY WORKSHEET

eXaminer Radiation Survey Information

Airport: Savannah International Airport	Scanner Location: Baggage Handling Room	Case#: SAV-357430
Personnel Performing Radiation Survey: XXXXXXXXXX		Date Survey Performed: 3/9/2011
Scanner Serial Number: 6294	Entrance Tunnel Serial Number: 2212A	Exit Tunnel Serial Number: 2212B
High Reading: 68	Average Reading: 37.94	Min. Reading: 14
High Reading: 189	Average Reading: 53.20	Min. Reading: 17
High Reading: 142	Average Reading: 49.13	Min. Reading: 21
Good	Good	Good
Radiation Meter: Type Meter: 451P	Meter Serial Number: 6331	Calibration Due Date: October 27, 2011
<div style="display: flex; justify-content: space-between;"> N O T E S </div>		
Complete Radiation Survey (CRS)	Record Voltage and Beam Current here:	
Rename this Document before starting the Survey to:	Voltage: 165 KV	Beam Current: 10.0 mA
SAV-CRS-9MAR2011-6294	Maximum Safe Readings	Scanner 350 Tunnels 350 Curtains 350
Step:	Procedure	Expected results
1.	Set Up: Obtain Inovision Ion Chamber Survey Meter and in an area away from the scanners, turn on the meter by pressing the On-Off key. Wait approx. 4 minutes for the meter to run through the initialization procedure.	The GUI will be visible and will indicate Standby. After the radiation meter initialization procedure is complete the meter will be reading less than 20 µR/hr and the meter will be ready for use.
2.	The scanner will be in Standby. Change the conveyor switch on the scanner to Stop. Change the exit tunnel conveyor switch to Off to stop the conveyor.	Both conveyors should be stopped.
3.	On the GUI dropdown screen, select diagnostic, followed by Radiation Survey. A radiation survey window will appear. Click "Turn On" button to turn x-rays on. Turn on x-rays prompt will say "Place survey bag on belt". Place IQTK bag on Entry Conveyor Belt.	A window indicating "Radiation Survey" will appear.
4.	When "Bag in survey position" appears, go to the FCC monitor and select "2" then <Enter>, verify and record the voltage and current in the displayed on the FCC screen in the planks provided above.	The high voltage is between 144KV and 176KV . The current is between 8.8mA and 10.6mA and the scanner X-ray indicator lights are on.
5.	Survey one of the areas indicated by the boxes in Appendix A2. Record the highest reading within the area. Repeat the process until all areas are surveyed and readings are recorded.	As the survey is conducted, the radiation meter indicates the degree of radiation emission.
6.	Review all radiation data sheets for high readings.	Readings shall not exceed 350 uR/hr in any box.
7.	After radiation survey is complete, click on "Start Conveyor" button on the GUI. Click the "Turn Off" button to turn off x-rays. Next click "Done". The IQTK bag will eject from exit tunnel. EDAC will reboot.	IQTK bag is ejected and scanner reboots.
7.	Visually inspect the entrance and exit of the system for X-ray caution hazard signs.	X-ray hazard signs reading "Do not insert any part of the body when system is energized" are posted at entrance and exit of system.
9.	Fill out the eXaminer radiation sticker and adhere to to the frame of the eXaminer under door #5 on the left side of the scanner.	Readings shall not exceed 350 uR/hr in any box.

RADIATION SURVEY WORKSHEET

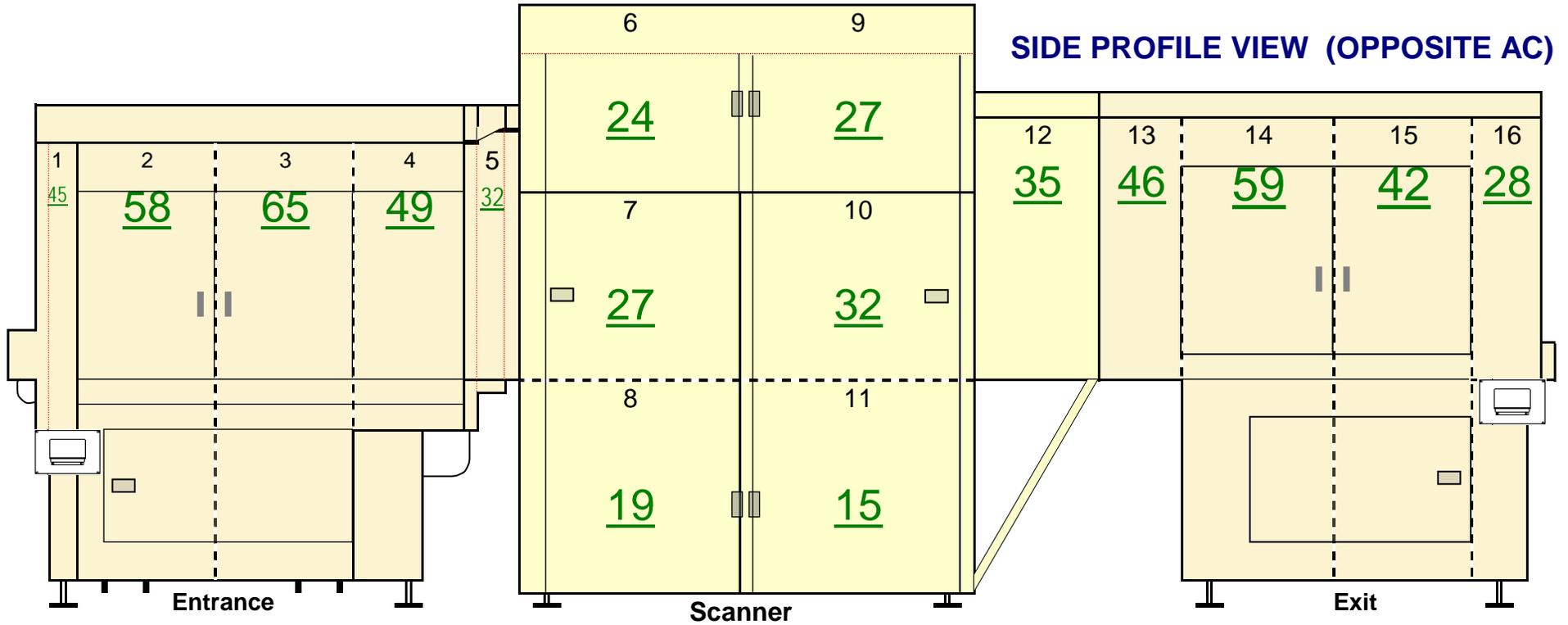


GOOD

Top View			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		μR/Hr	
1	Exit Conveyor Top Panel	23	
2	Exit Conveyor Top Panel	45	
3	Exit Conveyor Top Panel	34	
4	Scanner Conveyor Top Panel	42	
5	Scanner Conveyor Top Panel	68	
6	Scanner Conveyor Top Panel	54	
7	Entrance Conveyor Top Panel	29	
8	Entrance Conveyor Top Panel	39	
9	Entrance Conveyor Top Panel	24	

Highest Reading	68
Average Reading	40
Lowest Reading	23

RADIATION SURVEY WORKSHEET

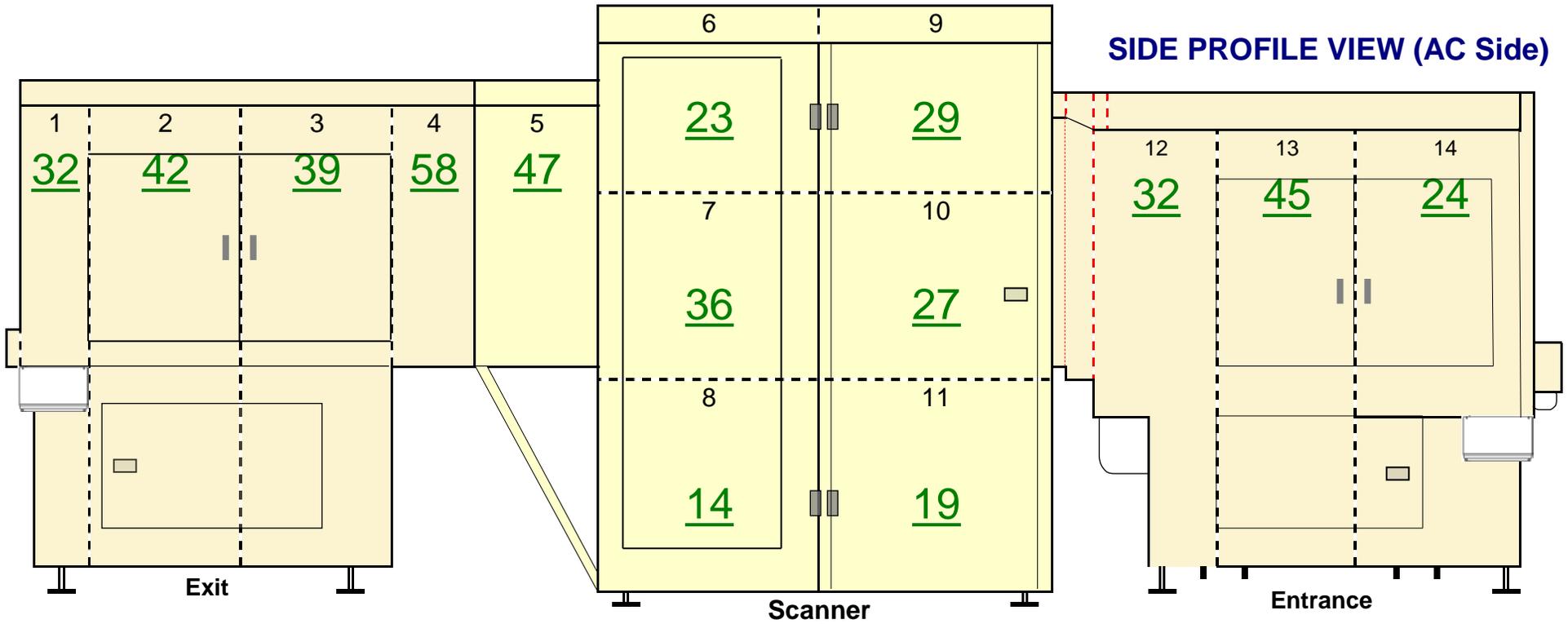


SYSTEM - SIDE PROFILE VIEW (Opposite AC Side)		
Scattered Radiation Measurement Points Worksheet		
	Record highest reading per panel	μR/Hr
1	Entrance Conveyor Panel	45
2	Entrance Conveyor Panel	58
3	Entrance Conveyor Panel	65
4	Entrance Conveyor Panel	49
5	Entrance Conveyor / Scanner Panel	32
6	Upper Scanner Panel	24
7	Middle Scanner Panel	27
8	Lower Scanner Panel	19
9	Upper Scanner Panel	27
10	Middle Scanner Panel	32
11	Lower Scanner Panel	15
12	Exit Conveyor / Scanner Panel	35
13	Exit Conveyor Panel	46
14	Exit Conveyor Panel	59
15	Exit Conveyor Panel	42
16	Exit Conveyor Panel	28

GOOD

Highest Reading	65
Average Reading	38
Low Reading	15

RADIATION SURVEY WORKSHEET



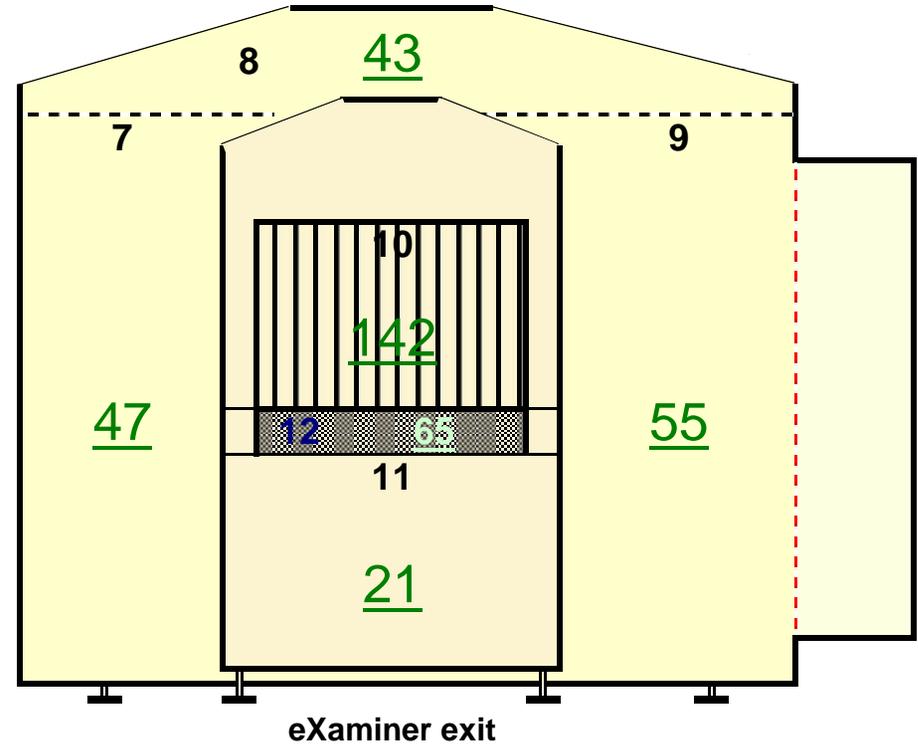
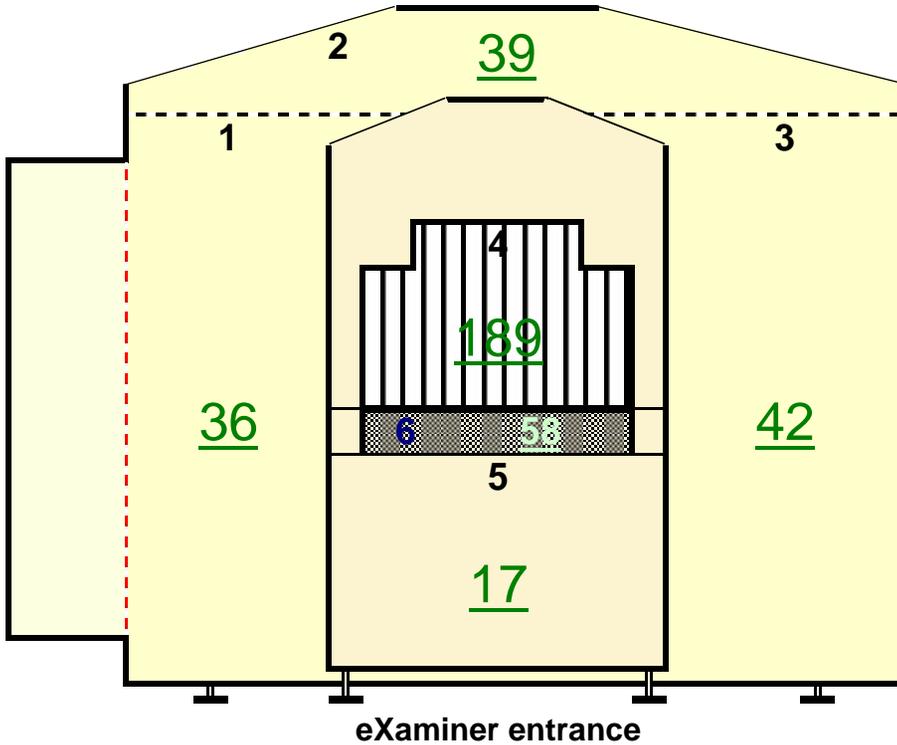
SYSTEM - SIDE PROFILE VIEW (AC Side)		
Scattered Radiation Measurement Points Worksheet		
Record highest reading per panel		μR/Hr
1	Exit Conveyor Panel	32
2	Exit Conveyor Panel	42
3	Exit Conveyor Panel	39
4	Exit Conveyor Panel	58
5	Exit Conveyor / Scanner Panel	47
6	Upper Scanner Pane	23
7	Middle Scanner Panel	36
8	Lower Scanner Panel	14
9	Upper Scanner Panel	29
10	Middle Scanner Panel	27
11	Lower Scanner Panel	19
12	Entrance Conveyor / Scanner Panel	32
13	Entrance Conveyor Panel	45
14	Entrance Conveyor Panel	24

GOOD

Highest Reading	58
Average Reading	33
Low Reading	14

RADIATION SURVEY WORKSHEET

SYSTEM - FACES (End Views)



SYSTEM - FACES (End Views)		
Scattered Radiation Measurement Points Worksheet		
Record highest reading per panel		$\mu\text{R}/\text{Hr}$
1	Scanner Panel	36
2	Scanner Top Panel	39
3	Scanner Panel	42
4	Belt Entrance	189
5	Entrance Lower Panel	17
6	Belt Lower Facia Cover Entrance	58
7	Scanner Panel	47
8	Scanner Top Panel	43
9	Scanner Panel	55
10	Belt Exit	142
11	Exit Lower Panel	21
12	Belt Lower Facia Cover Exit	65

GOOD

Highest Reading	189
Average Reading	63
Low Reading	17