



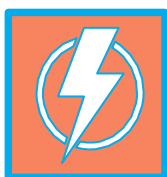
**Report of Drone Thermography 5MW DC
capacity,
Greentech Power PVT LTD.
Survey No. 52, Village Kishanayat Budhan,
Kolayat (Bikaner)**



OBJECTIVE OF IR INSPECTION

- The primary **objective of this IR/Thermal inspection is to find anomalies** which indicate specific types of defects of various components of a Solar PV Module, the cause of such types of defects to avoid further damage & ensure normal functioning of modules.
- **AI-powered drone inspections** of solar panels enable fast and cost-effective early detection of potential power losses and safety risks, helping to minimize operational downtime and protect your asset value.
- We also offer a **cloud-based platform** for secure storage and easy access to all inspection data. Our services help reduce operations and maintenance (O&M) costs by enabling more targeted, efficient on-ground inspections — particularly useful for tasks like **Technical Due Diligence**, where focus on key findings is essential.

SCOPE OF INSPECTION & METHODOLOGY



SCOPE

The scope of this project entails a non-contact infrared thermal inspection performed with the thermal sensor mounted on a UAV inspect thermal & visible anomalies on solar PV panels.



METHODOLOGY

This powerplant was divided into Multiple geographical blocks and each block is converted as a part of report.

DATA COLLECTION

The Block was covered in multiple flights using thermal sensor mounted on a UAV – the flight path was optimized to enable the creation of thermal Orthomosaic layer. The data collection process is explained in the following steps:

- The flight mission was designed for the specific layouts using compatible map files that contain the plants GPS boundaries.
- Image resolution & overlapped were specific at the time of mission planning. Less than 5cm Pixels is the GSD resolution. The degree of overlap between consecutive images is specified using frontal overlap & side overlap parameters. The values of these parameters are 80% & 80% respectively for thermal.
- Upon the receiving the confirmation that the environmental conditions were within satisfactory levels the scan was carried out. Some key parameters that were considered were irradiance, wind speed, cloud cover and time of the day. The parameters thresholds were considered as the prescribed by the IEC TS62446-3:2017.
- The UAV then embarked on a near autonomous flight with minimal inputs from the pilots.

FAULT CATEGORY

Faultcategory will helpyoudecide your next actions steps basedonseverityandimpact of findings.

REMEDIATIONRECOMMENDEDFAULTS

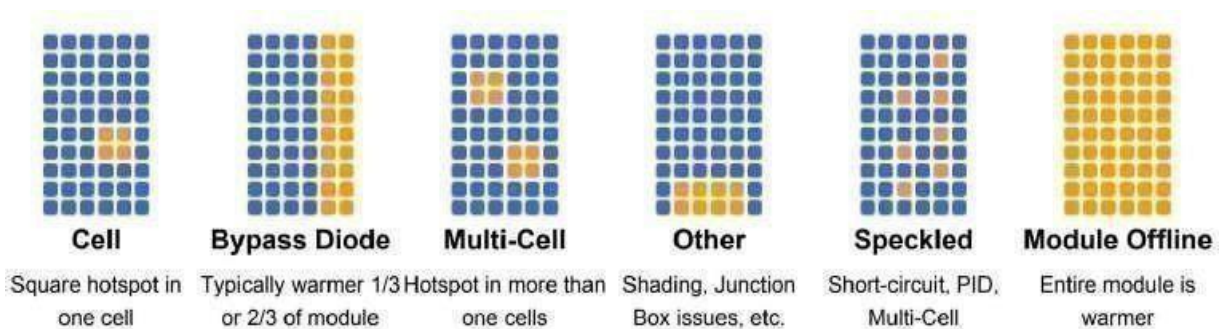
Modules with a high probability of causing system energy loss. The choice to remediate modules depends on anomaly density, replacement costs and replacement availability.

MONITOR & REMEDIATE FAULTS

Modules that pose a significant known energy loss or potential safety hazard on the site which require prioritized attention to recover energy loss and improve site safety

LONG-TERM MONITORING FAULTS

These modules have a low probability of causing extensive energy loss. Theses anomalies are unlikely to require remediation immediately but tracking the progression of anomalies over time is recommended.



EXAMPLE OF ANOMALIES

Below are visual examples of anomalies

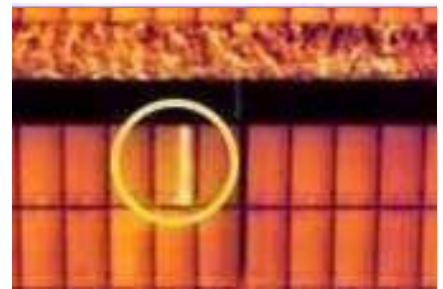
Cell Hotspot



Multi Cell Hotspot



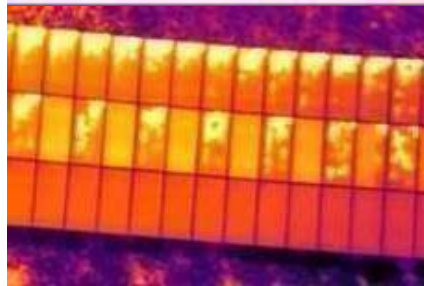
Bypass Diode



Power Mismatch



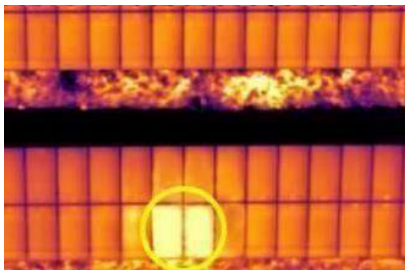
Speckled



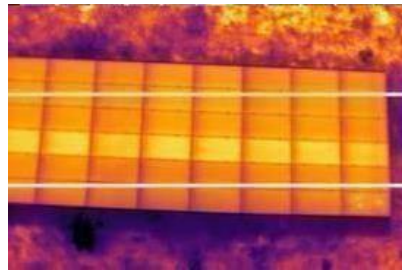
PID



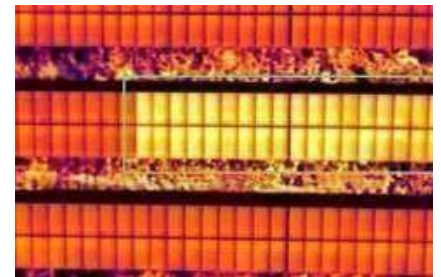
Module Offline



Partial String Offline



String Offline



1. Site Overview

1.1 Company Details

Company Name	Mitarsh Energy Pvt Ltd
Address	606-607, The Orion, Near Balaji temple, Vaishnodevi, Infront of Nirma University SG highway, Ahmedabad

1.2 Site Summary

Project Name	GREENTECH POWER PVT. LTD
Project Location	Village: SURVEY NO.52, VILLAGEKISHANAYATBUDHAN, KOLAYAT(BIKANER)
Total MW	5MW
Coordinates	70.6564458866946, 22.55814837089433
Type of Modules	Mono Crystalline, 280W and 320W
Tilt Angle	20 Degree
Total Module Installed	21,240
Total Area	25 Acres

1.3 Weather Details

Temperature	25.5 to 31.61 °C
Wind Speed	3.2 M/S
Irradiation during fly	900 to 939
Cloud Cover	Sunny

1.4 Sensor Details

Sensor Type	IR (Thermal)
Sensor Resolution	640 x 512
Frame Rate	30 Hz
Lense Model	40mm

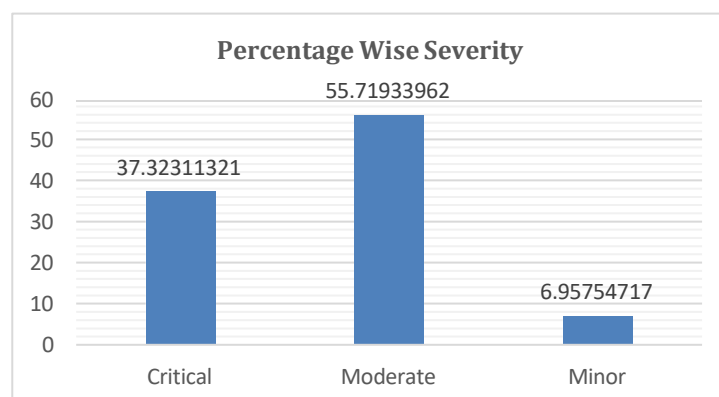
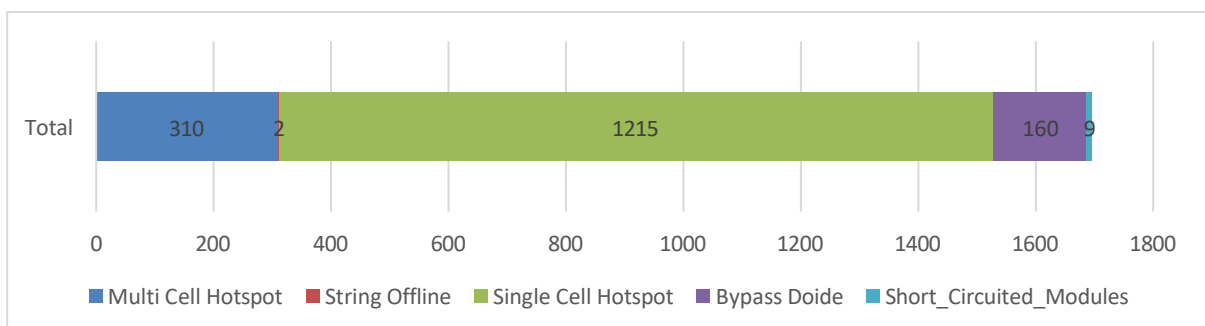
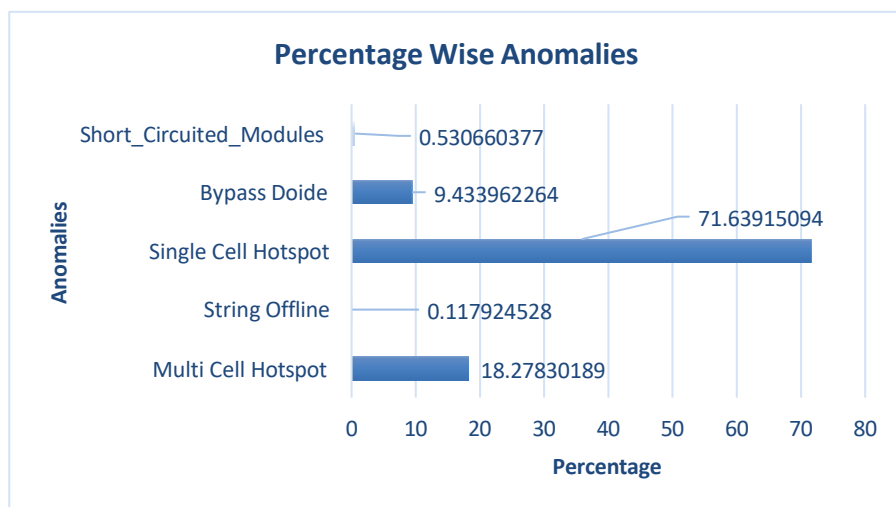
1.5 Data capture

GSD	2.8cm
Fly Height	30mtr
Front Overlap	80%
Side Overlap	80%

2. RESULTS& ANALYSIS

QUICKSUMMARY

Sr. No	Type of Defect	Total	Percentage
1	Multi Cell Hotspot	310	18.27830189
2	String Offline	2	0.117924528
3	Single Cell Hotspot	1215	71.63915094
4	Bypass Diode	160	9.433962264
5	Short_Circuited_Modules	9	0.530660377
		1696	100



ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1	Single Cell Hotspot	4	1	2	43.453701	70.7963028	27.3426628	5	Critical	IEC 2	U8	902	72.93350112	27.90229798
2	Single Cell Hotspot	4	1	2	43.9384	61.6873016	17.7489853	5	Moderate	IEC 2	U9	902	72.93351179	27.90229802
3	Single Cell Hotspot	4	1	2	48.4645	103.688004	55.2237892	4	Critical	IEC 2	U8	902	72.93339626	27.90229649
4	Single Cell Hotspot	5	1	2	44.18	95.4692993	51.2892952	5	Critical	IEC 2	U7	902	72.93352326	27.90223662
5	Single Cell Hotspot	4	1	2	47.908401	74.3611984	26.4527779	7	Critical	IEC 2	L6	902	72.93368909	27.90228375
6	Single Cell Hotspot	1	2	1	50.4314	73.4213028	22.9898453	4	Critical	IEC 2	U1	902	72.93338814	27.90217231
7	Single Cell Hotspot	1	2	1	49.7547	78.3852005	28.6305389	3	Critical	IEC 2	U7	902	72.93334665	27.90217192
8	Single Cell Hotspot	1	2	1	34.4673	70.7916031	36.3242912	3	Critical	IEC 2	U6	902	72.93333658	27.90217168
9	Single Cell Hotspot	1	2	1	40.347401	81.4436035	41.0962486	3	Critical	IEC 2	U5	902	72.93332627	27.9021716
10	Single Cell Hotspot	1	2	1	48.060699	68.8936997	20.8329125	1	Moderate	IEC 2	U9	902	72.93315878	27.9021687
11	Single Cell Hotspot	1	2	1	39.5896	69.9346008	30.3449631	1	Critical	IEC 2	U6	902	72.93312776	27.90216838
12	Single Cell Hotspot	1	2	1	33.543999	69.4468994	35.9029656	5	Critical	IEC 2	U1	902	72.93349301	27.90217371
13	Single Cell Hotspot	1	2	1	38.2771	66.1015015	27.8244362	5	Critical	IEC 2	U3	902	72.93351408	27.90217402
14	Single Cell Hotspot	1	2	1	46.031101	66.6573029	20.626194	8	Moderate	IEC 2	U3	902	72.93382627	27.9021787
15	Single Cell Hotspot	2	1	1	45.461601	60.4628983	15.0013428	11	Moderate	IEC 2	U8	902	72.93396807	27.90262061
16	Single Cell Hotspot	2	1	1	44.509399	58.8310013	14.3215179	11	Moderate	IEC 2	L5	902	72.93393766	27.90260272
17	Single Cell Hotspot	2	1	2	46.268902	85.2171021	38.9481697	6	Critical	IEC 2	U9	902	72.93355254	27.9024264
18	Single Cell Hotspot	2	1	2	45.138599	83.8426971	38.7041206	8	Critical	IEC 2	U1	902	72.93367819	27.90242894
19	Single Cell Hotspot	2	1	2	48.653702	64.3500977	15.6963997	9	Moderate	IEC 2	U9	902	72.93386617	27.9024309
20	Single Cell Hotspot	2	1	2	41.896702	62.7458992	20.8491898	13	Moderate	IEC 2	U8	902	72.93427323	27.90243685
21	Single Cell Hotspot	3	1	2	42.544498	65.4527969	22.9082108	16	Critical	IEC 2	U1	909	72.93454451	27.90237752
22	Single Cell Hotspot	3	1	2	44.167099	65.2073975	21.0402985	15	Critical	IEC 2	U9	909	72.9345236	27.90237735
23	Single Cell Hotspot	3	1	2	45.896999	69.2055969	23.308609	14	Critical	IEC 2	U2	902	72.93434592	27.90237489
24	Single Cell Hotspot	3	1	2	44.742298	82.1484985	37.4062805	12	Critical	IEC 2	U6	902	72.93417857	27.90237239
25	Single Cell Hotspot	3	1	2	44.859901	68.2069016	23.3470039	9	Critical	IEC 2	U2	902	72.9338248	27.90236713
26	Single Cell Hotspot	3	1	2	48.1647	75.7113037	27.5466423	7	Critical	IEC 2	U9	902	72.93368878	27.90236579
27	Single Cell Hotspot	3	1	2	46.582699	65.7194977	19.1367531	7	Moderate	IEC 2	U8	902	72.93367848	27.90236567
28	Single Cell Hotspot	3	1	2	46.209099	64.7834015	18.5742722	12	Moderate	IEC 2	U9	902	72.93420997	27.90237312
29	Single Cell Hotspot	3	1	2	48.478802	79.7490997	31.2703133	5	Critical	IEC 2	U5	902	72.9334388	27.90236273
30	Single Cell Hotspot	3	1	2	46.7383	63.6666985	16.9284058	4	Moderate	IEC 2	U7	902	72.93335441	27.9023611
31	Single Cell Hotspot	3	1	2	45.644901	73.3470001	27.7021179	4	Critical	IEC 2	U1	902	72.93329212	27.90236014
32	Single Cell Hotspot	3	1	2	41.431	68.7245026	27.2934418	3	Critical	IEC 2	U4	902	72.9332196	27.90235914
33	Single Cell Hotspot	3	1	2	44.0336	62.6102982	18.5766792	2	Moderate	IEC 2	U7	902	72.93314602	27.90235772

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
34	Single Cell Hotspot	3	1	2	41.728298	80.6430969	38.9147949	2	Critical	IEC 2	L6	902	72.93313575	27.90234067
35	Single Cell Hotspot	4	1	2	44.702801	91.2228012	46.5199928	3	Critical	IEC 2	L2	902	72.93323053	27.90227753
36	Single Cell Hotspot	4	1	2	45.2952	62.2100983	16.9148636	9	Moderate	IEC 2	L2	902	72.93385628	27.90228719
37	Single Cell Hotspot	4	1	2	36.874901	84.6323013	47.7574616	11	Critical	IEC 2	U1	902	72.93405438	27.90230625
38	Single Cell Hotspot	4	1	2	45.164398	88.0681	42.9036789	14	Critical	IEC 2	L7	902	72.93442984	27.90229397
39	Single Cell Hotspot	4	1	2	40.874699	95.0633011	54.1885605	15	Critical	IEC 2	U10	909	72.93456594	27.90231295
40	Single Cell Hotspot	5	1	2	43.526699	63.8474999	20.3207932	11	Moderate	IEC 2	U7	902	72.93414932	27.90224482
41	Single Cell Hotspot	1	2	1	37.8269	65.6156998	27.7888184	2	Critical	IEC 2	L9	902	72.93326278	27.90215385
42	Single Cell Hotspot	1	1	1	45.868099	57.4864006	11.6182671	10	Moderate	IEC 2	U5	902	72.93439409	27.90275433
43	Single Cell Hotspot	1	1	1	43.548401	61.7290993	18.1806984	10	Moderate	IEC 2	L1	902	72.93435332	27.90273658
44	Single Cell Hotspot	1	1	2	43.970001	62.3955002	18.4255409	15	Moderate	IEC 2	U6	902	72.93442888	27.90250129
45	Single Cell Hotspot	2	2	1	43.166401	69.8778992	26.7114945	1	Critical	IEC 2	L4	902	72.93313907	27.90208711
46	Single Cell Hotspot	2	2	1	46.4118	60.1147003	13.7028542	7	Moderate	IEC 2	U4	902	72.93376475	27.90211224
47	Single Cell Hotspot	2	2	1	47.7589	65.8694	18.1104736	9	Moderate	IEC 2	U5	902	72.93398363	27.90211632
48	Single Cell Hotspot	1	2	1	40.6633	66.0624008	25.3991661	11	Critical	IEC 2	L9	902	72.93420232	27.90216752
49	Single Cell Hotspot	1	2	1	50.732601	82.6477966	31.9151764	12	Critical	IEC 2	L4	902	72.93425412	27.90216826
50	Single Cell Hotspot	2	2	1	49.5924	63.8200989	14.2277298	11	Moderate	IEC 2	L8	902	72.93422386	27.90210394
51	Single Cell Hotspot	2	2	1	47.915699	73.1007004	25.1849976	12	Critical	IEC 2	L6	902	72.93430671	27.90210501
52	Single Cell Hotspot	1	2	1	44.395401	72.9550018	28.5595741	13	Critical	IEC 2	U3	902	72.93434896	27.90218627
53	Single Cell Hotspot	2	2	1	43.0457	63.2994003	20.2536888	13	Moderate	IEC 2	L1	902	72.93435984	27.90210518
54	Single Cell Hotspot	2	2	1	46.725201	63.9925003	17.2673912	13	Moderate	IEC 2	U3	902	72.93438029	27.90212253
55	Single Cell Hotspot	2	2	1	41.062099	64.2697983	23.2076798	14	Critical	IEC 2	U6	909	72.93451533	27.90212525
56	Single Cell Hotspot	2	2	1	42.664299	73.078598	30.4142838	14	Critical	IEC 2	L9	909	72.93454664	27.90210874
57	Single Cell Hotspot	2	2	1	44.9729	74.3744965	29.4015846	15	Critical	IEC 2	L2	909	72.93457926	27.90210818
58	Single Cell Hotspot	1	2	1	46.1063	78.3262024	32.2199287	15	Critical	IEC 2	L10	909	72.93463037	27.90217295
59	Single Cell Hotspot	1	2	1	46.729401	73.5122986	26.7828674	16	Critical	IEC 2	U8	909	72.93471315	27.90219089
60	Single Cell Hotspot	3	2	1	47.377899	69.5429993	22.1651573	13	Critical	IEC 2	U4	902	72.9344228	27.90206065
61	Single Cell Hotspot	3	2	1	43.234001	69.1041031	25.8700752	12	Critical	IEC 2	L10	902	72.93437992	27.90204306
62	Single Cell Hotspot	3	2	1	38.729198	65.6007004	26.8715286	11	Critical	IEC 2	U1	902	72.93418238	27.90205692
63	Single Cell Hotspot	3	2	1	48.396702	67.6549988	19.2583008	9	Moderate	IEC 2	L7	902	72.93403595	27.90203798
64	Single Cell Hotspot	3	2	1	48.623402	61.7142983	13.0908852	9	Moderate	IEC 2	L3	902	72.93399445	27.90203784
65	Single Cell Hotspot	3	2	1	47.649502	69.3728027	21.7232819	8	Critical	IEC 2	L8	902	72.93394152	27.90203732
66	Single Cell Hotspot	3	2	1	46.849499	70.2623978	23.4128723	6	Critical	IEC 2	U3	902	72.933681	27.90204916

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
67	Single Cell Hotspot	3	2	1	44.966599	77.0484009	32.0818138	3	Critical	IEC 2	U6	902	72.93339974	27.90204514
68	Single Cell Hotspot	3	2	1	46.144501	69.1116028	22.9671593	3	Critical	IEC 2	L6	902	72.93339997	27.90202808
69	Single Cell Hotspot	4	2	1	47.731998	64.588501	16.8564796	2	Moderate	IEC 2	L5	902	72.93331697	27.90196325
70	Single Cell Hotspot	4	2	1	49.449902	88.9850998	39.5352058	3	Critical	IEC 2	U7	902	72.93344276	27.90198157
71	Single Cell Hotspot	4	2	1	46.483601	95.2176971	48.7340546	3	Critical	IEC 2	U10	902	72.93347397	27.90198204
72	Single Cell Hotspot	4	2	1	47.7271	71.4652023	23.7381516	5	Critical	IEC 2	L3	902	72.93361031	27.90196829
73	Single Cell Hotspot	4	2	1	44.623299	81.6009979	36.9776993	5	Critical	IEC 2	L2	902	72.93360004	27.90196813
74	Single Cell Hotspot	4	2	1	43.382599	64.9625015	21.5799255	8	Critical	IEC 2	L3	902	72.93392253	27.90197305
75	Single Cell Hotspot	4	2	1	42.801601	63.6771011	20.8755646	9	Moderate	IEC 2	U2	902	72.93401691	27.90199171
76	Single Cell Hotspot	4	2	1	46.6106	58.9281006	12.3175316	10	Moderate	IEC 2	U8	902	72.93418293	27.90199446
77	Single Cell Hotspot	4	2	1	45.498402	63.5503998	18.0519562	12	Moderate	IEC 2	U4	902	72.93435056	27.90199636
78	Single Cell Hotspot	4	2	1	49.170399	61.0144005	11.8440781	12	Moderate	IEC 2	U6	902	72.93437127	27.90199674
79	Single Cell Hotspot	4	2	1	45.885399	65.3947983	19.5093689	13	Moderate	IEC 2	L2	902	72.93443491	27.9019808
80	Single Cell Hotspot	5	2	1	34.360001	62.7132988	28.3533249	3	Critical	IEC 2	U1	902	72.93341192	27.90191925
81	Single Cell Hotspot	5	2	1	45.392101	72.9904022	27.5983315	2	Critical	IEC 2	U2	902	72.93331755	27.90191815
82	Single Cell Hotspot	5	2	1	39.235001	64.7574997	25.5224762	2	Critical	IEC 2	L2	902	72.93331786	27.90190135
83	Single Cell Hotspot	5	2	1	42.7892	64.927803	22.1386528	1	Critical	IEC 2	U10	902	72.9332969	27.90191787
84	Single Cell Hotspot	5	2	1	44.809399	60.580101	15.7706871	1	Moderate	IEC 2	U7	902	72.93326567	27.9019174
85	Single Cell Hotspot	6	2	1	42.465599	74.9347992	32.4692535	1	Critical	IEC 2	U5	902	72.93327685	27.90185298
86	Single Cell Hotspot	6	2	1	43.034698	68.4440002	25.4092712	2	Critical	IEC 2	L1	902	72.93333975	27.90183715
87	Single Cell Hotspot	6	2	1	42.291599	66.6488037	24.3571816	2	Critical	IEC 2	L10	902	72.93343375	27.90183858
88	Single Cell Hotspot	6	2	1	46.382301	66.334198	19.9518662	3	Moderate	IEC 2	L10	902	72.93353768	27.90184033
89	Single Cell Hotspot	6	2	1	46.9921	69.8842011	22.8920937	4	Critical	IEC 2	L1	902	72.93354831	27.90184043
90	Single Cell Hotspot	6	2	1	41.1283	58.9393005	17.8110237	3	Moderate	IEC 2	U10	902	72.93353732	27.9018577
91	Single Cell Hotspot	6	2	1	43.070099	82.1820984	39.1120453	4	Critical	IEC 2	U4	902	72.93357921	27.9018583
92	Single Cell Hotspot	6	2	1	44.618599	95.3283997	50.7097359	6	Critical	IEC 2	U1	902	72.93375655	27.90186041
93	Single Cell Hotspot	6	2	1	50.343498	69.9449005	19.6014633	6	Moderate	IEC 2	U6	902	72.93380839	27.90186171
94	Single Cell Hotspot	6	2	1	46.343498	74.0519028	27.7083778	7	Critical	IEC 2	L10	902	72.93395527	27.9018469
95	Single Cell Hotspot	6	2	1	45.988098	78.3778	32.3897018	11	Critical	IEC 2	L8	902	72.93435216	27.90185246
96	Single Cell Hotspot	6	2	1	43.034199	71.4570999	28.4228706	12	Critical	IEC 2	U7	902	72.93444531	27.9018708
97	Single Cell Hotspot	6	2	1	45.397598	73.2797012	27.8821144	13	Critical	IEC 2	U3	909	72.93450874	27.90187162
98	Single Cell Hotspot	6	2	1	50.3946	73.1548004	22.7601624	15	Critical	IEC 2	L8	909	72.93477004	27.90185851
99	Single Cell Hotspot	3	2	1	49.049301	64.9330978	15.8838577	16	Moderate	IEC 2	L7	909	72.93476673	27.90204768

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
100	Single Cell Hotspot	3	2	1	50.120899	64.498703	14.3777657	13	Moderate	IEC 2	L3	902	72.93441251	27.90204389
101	Single Cell Hotspot	1	2	2	44.180099	65.0875015	20.9074326	14	Moderate	IEC 2	U9	909	72.93470703	27.90181079
102	Single Cell Hotspot	1	2	2	47.646599	66.2686997	18.622097	10	Moderate	IEC 2	U10	902	72.9342996	27.90180532
103	Single Cell Hotspot	1	2	2	49.5214	65.7154007	16.1939735	10	Moderate	IEC 2	L10	902	72.93429983	27.90178803
104	Single Cell Hotspot	1	2	2	46.3367	59.8964996	13.5597496	7	Moderate	IEC 2	L4	902	72.93392518	27.901782
105	Single Cell Hotspot	1	2	2	45.9506	63.5938988	17.6433678	4	Moderate	IEC 2	L6	902	72.93363257	27.90177832
106	Single Cell Hotspot	1	2	2	40.719601	67.2804031	26.5608292	3	Critical	IEC 2	U4	902	72.93350737	27.90179167
107	Single Cell Hotspot	1	2	2	44.8437	80.8619003	36.018219	2	Critical	IEC 2	L4	902	72.93340295	27.90177393
108	Single Cell Hotspot	1	2	2	45.8522	60.2904015	14.4381371	1	Moderate	IEC 2	U3	902	72.93328819	27.90178828
109	Single Cell Hotspot	2	2	2	38.871799	59.789299	20.9174423	1	Moderate	IEC 2	U1	902	72.93329951	27.90172512
110	Single Cell Hotspot	2	2	2	46.944199	77.9885025	31.0442963	1	Critical	IEC 2	U5	902	72.93334089	27.90172668
111	Single Cell Hotspot	2	2	2	46.727299	73.2375031	26.5102348	1	Critical	IEC 2	L7	902	72.93336219	27.90170938
112	Single Cell Hotspot	2	2	2	43.840099	71.1159973	27.2759094	1	Critical	IEC 2	U10	902	72.93339276	27.90172693
113	Single Cell Hotspot	2	2	2	43.266899	61.6646996	18.3977623	3	Moderate	IEC 2	L10	902	72.93360234	27.90171334
114	Single Cell Hotspot	2	2	2	44.056099	59.959301	15.9031754	4	Moderate	IEC 2	L4	902	72.93364394	27.90171357
115	Single Cell Hotspot	2	2	2	46.316799	60.3409004	14.0241356	5	Moderate	IEC 2	L4	902	72.93374869	27.90171535
116	Single Cell Hotspot	2	2	2	44.346901	78.7453995	34.3984604	6	Critical	IEC 2	U9	902	72.93390422	27.90173496
117	Single Cell Hotspot	2	2	2	47.510502	60.5876007	13.0771141	7	Moderate	IEC 2	L8	902	72.93399905	27.90171866
118	Single Cell Hotspot	2	2	2	47.352501	63.6948013	16.3422966	16	Moderate	IEC 2	L6	909	72.93491695	27.90173433
119	Single Cell Hotspot	3	2	2	45.778301	60.469799	14.6914787	16	Moderate	IEC 2	L10	909	72.93499206	27.90167316
120	Single Cell Hotspot	3	2	2	43.577499	57.8762016	14.2987175	16	Moderate	IEC 2	U3	909	72.93491904	27.90168774
121	Single Cell Hotspot	3	2	2	47.0037	62.8105011	15.8067169	14	Moderate	IEC 2	L10	909	72.93478295	27.90166837
122	Single Cell Hotspot	3	2	2	48.160702	63.2336006	15.0728264	14	Moderate	IEC 2	L9	909	72.93477281	27.90166812
123	Single Cell Hotspot	3	2	2	45.583099	76.9677963	31.3847847	14	Critical	IEC 2	L4	909	72.9347209	27.90166673
124	Single Cell Hotspot	3	2	2	50.214298	66.7154999	16.5012322	13	Moderate	IEC 2	L8	909	72.93465874	27.90166551
125	Single Cell Hotspot	3	2	2	46.6241	65.1865006	18.562355	13	Moderate	IEC 2	U3	909	72.93460651	27.9016809
126	Single Cell Hotspot	3	2	2	49.242802	64.2052994	14.962574	12	Moderate	IEC 2	L6	909	72.93453299	27.90166385
127	Single Cell Hotspot	3	2	2	46.545799	62.3106003	15.7647591	10	Moderate	IEC 2	L8	902	72.93434462	27.90166308
128	Single Cell Hotspot	3	2	2	48.225201	60.2831993	12.0580139	10	Moderate	IEC 2	L6	902	72.93432397	27.90166215
129	Single Cell Hotspot	3	2	2	46.6954	63.835701	17.1403275	4	Moderate	IEC 2	L3	902	72.93366642	27.90165192
130	Single Cell Hotspot	3	2	2	48.374901	67.1084976	18.7335777	3	Moderate	IEC 2	L5	902	72.93358334	27.90165034
131	Single Cell Hotspot	3	2	2	46.384399	61.3928986	15.0084801	2	Moderate	IEC 2	L10	902	72.93352984	27.90164979
132	Single Cell Hotspot	3	2	2	43.4856	59.2924995	15.8069153	2	Moderate	IEC 2	L8	902	72.93350927	27.90164936

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
133	Single Cell Hotspot	3	2	2	45.483299	61.1301003	15.6468506	1	Moderate	IEC 2	L7	902	72.93339512	27.90164713
134	Single Cell Hotspot	1	3	1	46.936699	62.9658012	16.0290413	6	Moderate	IEC 2	L3	902	72.93390729	27.90159112
135	Single Cell Hotspot	1	3	1	45.2705	63.4049988	18.134552	7	Moderate	IEC 2	L2	902	72.93400207	27.90159102
136	Single Cell Hotspot	1	3	1	41.778099	71.5671005	29.7890282	9	Critical	IEC 2	U4	902	72.93423131	27.90161349
137	Single Cell Hotspot	1	3	1	47.700199	96.5280991	48.8278961	9	Critical	IEC 2	L8	902	72.93427292	27.90159714
138	Single Cell Hotspot	1	3	1	50.332199	88.7274017	38.3952828	10	Critical	IEC 2	L3	902	72.93432492	27.9015978
139	Single Cell Hotspot	1	3	1	48.579102	58.0211983	9.44203949	12	Minor	IEC 2	L6	909	72.93456493	27.90160197
140	Single Cell Hotspot	1	3	1	47.021099	74.594902	27.5737305	13	Critical	IEC 2	U7	909	72.93467998	27.90162103
141	Single Cell Hotspot	1	3	1	45.166	71.6287994	26.4627991	13	Critical	IEC 2	L9	909	72.93470075	27.90160403
142	Single Cell Hotspot	1	3	1	49.346699	94.3051987	44.9585266	16	Critical	IEC 2	U10	909	72.935024	27.90162599
143	Single Cell Hotspot	1	3	1	47.6026	59.0321007	11.4295616	16	Moderate	IEC 2	U3	909	72.934951	27.90162484
144	Single Cell Hotspot	2	3	1	45.741901	80.4123001	34.6704025	16	Critical	IEC 2	U8	939	72.93503459	27.90156357
145	Single Cell Hotspot	2	3	1	48.340801	59.6985016	11.357708	16	Moderate	IEC 2	L2	909	72.93497279	27.90154556
146	Single Cell Hotspot	2	3	1	44.938599	78.8046036	33.8660507	14	Critical	IEC 2	U10	909	72.9348466	27.90155906
147	Single Cell Hotspot	2	3	1	48.916801	62.0273018	13.1104317	14	Moderate	IEC 2	L1	909	72.9347534	27.90154145
148	Single Cell Hotspot	2	3	1	47.429001	72.2988968	24.8698959	13	Critical	IEC 2	L5	909	72.9346911	27.90154106
149	Single Cell Hotspot	2	3	1	44.8797	63.221199	18.3414993	12	Moderate	IEC 2	U3	909	72.93456474	27.90155557
150	Single Cell Hotspot	2	3	1	45.350498	65.4162979	20.0657272	12	Moderate	IEC 2	U1	909	72.93454406	27.90155531
151	Single Cell Hotspot	2	3	1	44.939701	59.456501	14.5167885	11	Moderate	IEC 2	U8	909	72.93451289	27.90155445
152	Single Cell Hotspot	2	3	1	34.9081	58.9880981	24.0800018	9	Critical	IEC 2	U1	902	72.93423112	27.90154932
153	Single Cell Hotspot	2	3	1	44.452	59.0010986	14.5490265	8	Moderate	IEC 2	U10	902	72.93421979	27.9015502
154	Single Cell Hotspot	2	3	1	44.779598	57.6170998	12.8375359	8	Moderate	IEC 2	U7	902	72.93418863	27.90154979
155	Single Cell Hotspot	2	3	1	45.400398	82.0886002	36.688221	8	Critical	IEC 2	L4	902	72.93415774	27.90153208
156	Single Cell Hotspot	4	1	2	47.703999	62.4676018	14.7635536	16	Moderate	IEC 2	U10	909	72.93466966	27.9023148
157	Single Cell Hotspot	1	1	1	46.026299	58.2102013	12.18396	3	Moderate	IEC 2	U10	902	72.93431026	27.90281624
158	Single Cell Hotspot	2	3	1	41.9841	77.4372025	35.4530983	1	Critical	IEC 2	U5	902	72.93343795	27.90153904
159	Single Cell Hotspot	2	3	1	43.1875	76.3422012	33.1546402	1	Critical	IEC 2	U3	902	72.93341709	27.90153878
160	Single Cell Hotspot	3	3	1	44.978199	66.8787994	21.9005966	2	Critical	IEC 2	L10	902	72.93362603	27.90146108
161	Single Cell Hotspot	3	3	1	46.815399	78.2855988	31.4702377	3	Critical	IEC 2	U9	902	72.93372063	27.90147895
163	Single Cell Hotspot	3	3	1	41.892601	59.6879997	17.7953262	5	Moderate	IEC 2	U8	902	72.93391945	27.90148234
164	Single Cell Hotspot	3	3	1	41.7243	56.4379997	14.7137184	5	Moderate	IEC 2	U6	902	72.93389831	27.9014822
165	Single Cell Hotspot	3	3	1	48.228401	64.6255035	16.3971252	8	Moderate	IEC 2	L3	902	72.93418001	27.90146968
166	Single Cell Hotspot	3	3	1	44.515202	64.8226013	20.3073578	8	Moderate	IEC 2	U7	902	72.93422123	27.90148715

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
167	Single Cell Hotspot	3	3	1	47.768398	78.3988037	30.6303368	8	Critical	IEC 2	L9	902	72.93424243	27.90147065
168	Single Cell Hotspot	3	3	1	46.7864	88.5350037	41.7486191	9	Critical	IEC 2	U9	902	72.93434721	27.90148948
169	Single Cell Hotspot	3	3	1	47.128101	68.8386002	21.7104912	12	Critical	IEC 2	L6	909	72.93462888	27.90147651
170	Single Cell Hotspot	3	3	1	47.424	77.986702	30.5626831	12	Critical	IEC 2	U3	909	72.93459755	27.90149316
171	Single Cell Hotspot	3	3	1	44.558498	65.242897	20.6844177	13	Moderate	IEC 2	U3	909	72.9347025	27.90149449
172	Single Cell Hotspot	3	3	1	43.8349	63.4720001	19.6370964	13	Moderate	IEC 2	U5	909	72.93472343	27.90149489
173	Single Cell Hotspot	3	3	1	45.859901	63.1160011	17.2560997	13	Moderate	IEC 2	U8	909	72.93475461	27.90149522
174	Single Cell Hotspot	3	3	1	46.951099	60.8358994	13.8847733	14	Moderate	IEC 2	U6	909	72.93483759	27.90149661
175	Single Cell Hotspot	3	3	1	46.724098	75.8840027	29.1599083	14	Critical	IEC 2	U8	909	72.93485841	27.9014971
176	Single Cell Hotspot	3	3	1	48.290298	59.5956993	11.3054657	15	Moderate	IEC 2	L6	909	72.93494284	27.90148121
177	Single Cell Hotspot	3	3	1	44.601398	63.5737991	18.9723587	16	Moderate	IEC 2	L9	939	72.9350777	27.90148327
178	Single Cell Hotspot	4	3	1	48.824402	64.2218018	15.3973885	15	Moderate	IEC 2	U10	909	72.93501556	27.90143535
179	Single Cell Hotspot	4	3	1	44.9907	72.5145035	27.5237618	14	Critical	IEC 2	U5	909	72.93485887	27.90143339
180	Single Cell Hotspot	4	3	1	42.834099	59.9357987	17.1017304	14	Moderate	IEC 2	U3	909	72.9348379	27.90143317
181	Single Cell Hotspot	4	3	1	48.602299	64.7293015	16.1270065	12	Moderate	IEC 2	L6	909	72.93466042	27.90141468
182	Single Cell Hotspot	4	3	1	43.012001	82.4753037	39.4632912	12	Critical	IEC 2	U2	909	72.93461888	27.901431
183	Single Cell Hotspot	4	3	1	46.4688	94.0460968	47.5772438	7	Critical	IEC 2	U9	902	72.93416984	27.90142219
184	Single Cell Hotspot	4	3	1	45.577	70.388298	24.8113785	6	Critical	IEC 2	L6	902	72.93403395	27.90140344
185	Single Cell Hotspot	4	3	1	43.360699	66.6281967	23.2675438	5	Critical	IEC 2	U4	902	72.93390921	27.90141707
186	Single Cell Hotspot	4	3	1	45.650398	88.7550964	43.1047173	4	Critical	IEC 2	U8	902	72.9338458	27.90141722
187	Single Cell Hotspot	4	3	1	45.388599	59.3354988	13.9468536	4	Moderate	IEC 2	U3	902	72.93379407	27.90141574
188	Single Cell Hotspot	4	3	1	44.2939	62.4364014	18.1425514	3	Moderate	IEC 2	L3	902	72.93369088	27.90139619
189	Single Cell Hotspot	4	3	1	48.028301	64.1399994	16.1117401	3	Moderate	IEC 2	L5	902	72.93371152	27.90139675
190	Single Cell Hotspot	4	3	1	43.2029	70.7826996	27.5798264	2	Critical	IEC 2	U5	902	72.93360559	27.90141403
191	Single Cell Hotspot	4	3	1	44.809601	72.289299	27.4797363	1	Critical	IEC 2	U5	902	72.93350205	27.9014107
192	Single Cell Hotspot	5	3	1	42.400002	65.5000992	23.1000519	4	Critical	IEC 2	L5	902	72.93384732	27.90133921
193	Single Cell Hotspot	5	3	1	44.582298	60.1866989	15.6044655	4	Moderate	IEC 2	L7	902	72.93386811	27.90133956
194	Single Cell Hotspot	5	3	1	37.604301	67.2419968	29.6377068	5	Critical	IEC 2	U2	902	72.93392107	27.90135728
195	Single Cell Hotspot	5	3	1	39.1021	73.3832016	34.2810516	5	Critical	IEC 2	L3	902	72.93393155	27.90134091
196	Single Cell Hotspot	5	3	1	38.271801	58.514801	20.2429466	5	Moderate	IEC 2	U3	902	72.93393124	27.90135741
197	Single Cell Hotspot	5	3	1	42.748798	64.7201004	21.9712563	6	Critical	IEC 2	U5	902	72.93405584	27.90135918
198	Single Cell Hotspot	5	3	1	41.955399	78.6367035	36.6813736	6	Critical	IEC 2	U9	902	72.93409728	27.90136013
199	Single Cell Hotspot	5	3	1	42.291698	70.1397018	27.8479996	8	Critical	IEC 2	L7	902	72.93428596	27.90134629

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
200	Single Cell Hotspot	5	3	1	37.308899	82.8986969	45.5898132	9	Critical	IEC 2	U5	902	72.93436978	27.90136393
201	Single Cell Hotspot	5	3	1	41.2854	83.520401	42.2350426	9	Critical	IEC 2	U6	902	72.93438016	27.90136401
202	Single Cell Hotspot	5	3	1	44.014301	77.524498	33.5102043	11	Critical	IEC 2	U5	909	72.93457879	27.90136795
203	Single Cell Hotspot	5	3	1	41.281899	88.3525009	47.0706482	13	Critical	IEC 2	U3	909	72.93476675	27.90137046
204	Single Cell Hotspot	5	3	1	43.7197	72.8153	29.095562	14	Critical	IEC 2	U2	909	72.93486023	27.90136983
205	Single Cell Hotspot	5	3	1	44.638599	84.9573975	40.3187752	16	Critical	IEC 2	U7	939	72.93512082	27.90137454
206	Single Cell Hotspot	6	3	1	38.864899	62.2414017	23.3764725	16	Critical	IEC 2	U9	939	72.93517379	27.90131268
207	Single Cell Hotspot	6	3	1	46.188599	61.9207993	15.7321587	9	Moderate	IEC 2	U9	902	72.93444358	27.90129921
208	Single Cell Hotspot	6	3	1	35.0723	59.4732018	24.4009705	9	Critical	IEC 2	U2	902	72.93437109	27.90129714
209	Single Cell Hotspot	6	3	1	42.121201	60.4835014	18.362278	6	Moderate	IEC 2	U3	902	72.93406726	27.90129561
210	Single Cell Hotspot	6	3	1	42.279099	60.4295998	18.1504746	4	Moderate	IEC 2	U10	902	72.93393107	27.90129465
211	Single Cell Hotspot	6	3	1	38.0508	57.7616997	19.7108116	4	Moderate	IEC 2	U7	902	72.93389984	27.90129382
212	Single Cell Hotspot	6	3	1	39.874901	61.0549011	21.1800308	4	Critical	IEC 2	U1	902	72.93383764	27.90129283
213	Single Cell Hotspot	1	3	2	40.2103	59.9203987	19.7100906	13	Moderate	IEC 2	U5	909	72.93485173	27.9012457
214	Single Cell Hotspot	1	3	2	43.441002	62.1421013	18.7010994	15	Moderate	IEC 2	L4	939	72.93505069	27.90123157
215	Single Cell Hotspot	1	3	2	45.268501	57.3134003	12.0449028	15	Moderate	IEC 2	U7	939	72.93508133	27.90124896
216	Single Cell Hotspot	2	3	2	41.580002	79.8775024	38.2974472	16	Critical	IEC 2	U3	939	72.93517544	27.90118599
217	Single Cell Hotspot	2	3	2	46.481998	76.5835037	30.1015205	15	Critical	IEC 2	U10	939	72.93514431	27.9011856
218	Single Cell Hotspot	2	3	2	47.813999	69.0126038	21.1986351	3	Critical	IEC 2	U8	902	72.93387104	27.90116711
219	Single Cell Hotspot	2	3	2	30.733	60.7485008	30.0154572	4	Critical	IEC 2	U1	902	72.93390222	27.90116725
220	Single Cell Hotspot	2	3	2	42.842999	57.3527985	14.5098038	4	Moderate	IEC 2	U5	902	72.93394396	27.90116781
221	Single Cell Hotspot	2	3	2	37.479099	91.2615967	53.7825279	6	Critical	IEC 2	L5	902	72.93415303	27.90115375
222	Single Cell Hotspot	2	3	2	32.692799	72.1675034	39.474762	7	Critical	IEC 2	U1	902	72.93421565	27.90117128
223	Single Cell Hotspot	2	3	2	41.605099	61.2701988	19.6651154	8	Moderate	IEC 2	U10	902	72.93441355	27.90117448
224	Single Cell Hotspot	2	3	2	43.014099	70.9042969	27.8901367	10	Critical	IEC 2	U4	909	72.93455997	27.90117729
225	Single Cell Hotspot	2	3	2	46.183498	67.1479034	20.9643936	11	Moderate	IEC 2	U9	909	72.93471676	27.90117941
226	Single Cell Hotspot	2	3	2	40.746899	66.3058014	25.5588799	12	Critical	IEC 2	U9	909	72.93482081	27.9011813
227	Single Cell Hotspot	3	3	2	48.260101	61.9866982	13.7266045	16	Moderate	IEC 2	U10	939	72.93528208	27.90112544
228	Single Cell Hotspot	3	3	2	46.212299	54.9327011	8.72034454	16	Minor	IEC 2	U8	939	72.93526141	27.90112489
229	Single Cell Hotspot	3	3	2	43.204201	60.8981018	17.6938515	16	Moderate	IEC 2	L2	939	72.93519938	27.90110681
230	Single Cell Hotspot	3	3	2	44.476898	67.8010025	23.3240547	15	Critical	IEC 2	U6	939	72.93513651	27.90112183
231	Single Cell Hotspot	3	3	2	45.2108	78.0513001	32.8404579	14	Critical	IEC 2	L8	909	72.93505235	27.90110328
232	Single Cell Hotspot	3	3	2	45.555099	65.8504028	20.2952614	14	Moderate	IEC 2	L6	909	72.93503157	27.90110295

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
233	Single Cell Hotspot	3	3	2	47.588299	64.3153992	16.7271042	13	Moderate	IEC 2	L9	909	72.93495885	27.9011014
234	Single Cell Hotspot	3	3	2	44.189899	60.3557015	16.1658249	12	Moderate	IEC 2	U4	909	72.93480121	27.90111662
235	Single Cell Hotspot	3	3	2	45.1469	67.8902969	22.7434578	10	Critical	IEC 2	U6	909	72.93461328	27.90111351
236	Single Cell Hotspot	3	3	2	47.024899	65.4543991	18.4294891	9	Moderate	IEC 2	U10	909	72.93455079	27.90111216
237	Single Cell Hotspot	3	3	2	45.423	58.9796982	13.5566979	8	Moderate	IEC 2	U10	902	72.93444587	27.90111059
238	Single Cell Hotspot	3	3	2	43.746601	59.4006996	15.6541214	8	Moderate	IEC 2	L2	902	72.9343629	27.90109245
239	Single Cell Hotspot	3	3	2	45.8559	75.9719009	30.116024	5	Critical	IEC 2	L2	902	72.93404986	27.90108873
240	Single Cell Hotspot	3	3	2	41.952202	59.9239006	17.9717064	3	Moderate	IEC 2	U8	902	72.93390334	27.90110342
241	Single Cell Hotspot	3	3	2	44.274899	62.1397018	17.8647652	2	Moderate	IEC 2	L9	902	72.9338093	27.9010846
242	Single Cell Hotspot	3	3	2	43.385502	73.038002	29.6525497	2	Critical	IEC 2	U6	902	72.93377767	27.90110073
243	Single Cell Hotspot	3	3	2	44.0714	63.5932999	19.5218773	1	Moderate	IEC 2	U8	902	72.93369449	27.90109771
244	Single Cell Hotspot	3	3	2	42.663898	60.5903015	17.9263229	1	Moderate	IEC 2	U4	902	72.93365268	27.90109678
245	Single Cell Hotspot	1	4	1	44.8494	71.1365967	26.2871704	16	Critical	IEC 2	U3	939	72.93527288	27.90099698
246	Single Cell Hotspot	1	4	1	47.488899	66.4394989	18.9505425	16	Moderate	IEC 2	L8	939	72.93532486	27.90097964
247	Single Cell Hotspot	1	4	1	45.287899	61.2639008	15.9759407	15	Moderate	IEC 2	L5	939	72.93518951	27.90097928
248	Single Cell Hotspot	1	4	1	40.769299	60.5214996	19.7521668	15	Moderate	IEC 2	U2	939	72.93515858	27.90099699
250	Single Cell Hotspot	1	4	1	46.793999	71.1420975	24.3480797	13	Critical	IEC 2	U10	909	72.93503265	27.90099278
252	Single Cell Hotspot	1	4	1	43.3606	59.4870987	16.1264954	12	Moderate	IEC 2	L6	909	72.93488659	27.90097337
253	Single Cell Hotspot	1	4	1	46.588001	64.1776962	17.589695	12	Moderate	IEC 2	L1	909	72.93483471	27.90097225
254	Single Cell Hotspot	1	4	1	46.6245	82.3636017	35.7390633	11	Critical	IEC 2	L9	909	72.93481399	27.90097191
255	Single Cell Hotspot	1	4	1	44.991901	67.6760025	22.6840935	10	Critical	IEC 2	L4	909	72.93465699	27.9009706
256	Single Cell Hotspot	1	4	1	44.232899	63.7602997	19.5273933	10	Moderate	IEC 2	U2	909	72.93463614	27.90098807
257	Single Cell Hotspot	1	4	1	45.777401	60.422699	14.6452675	9	Moderate	IEC 2	L10	909	72.93461537	27.90097016
258	Single Cell Hotspot	1	4	1	42.655899	57.6403008	14.9843979	9	Moderate	IEC 2	U3	909	72.93454237	27.90098687
259	Single Cell Hotspot	1	4	1	42.225899	60.6264992	18.4005776	8	Moderate	IEC 2	U10	902	72.93451028	27.90098647
260	Single Cell Hotspot	1	4	1	45.880798	61.7601013	15.8793221	7	Moderate	IEC 2	L9	902	72.93439612	27.90096627
261	Single Cell Hotspot	1	4	1	45.391998	57.4385986	12.0466461	7	Moderate	IEC 2	L8	902	72.93438573	27.90096607
262	Single Cell Hotspot	1	4	1	46.345001	79.6883011	33.3432999	6	Critical	IEC 2	L7	902	72.93427053	27.90096518
263	Single Cell Hotspot	1	4	1	44.597801	61.8451996	17.2474175	5	Moderate	IEC 2	L9	902	72.93418718	27.90096282
264	Single Cell Hotspot	1	4	1	42.424599	60.3894005	17.9648056	3	Moderate	IEC 2	L10	902	72.93398886	27.90095992
265	Single Cell Hotspot	1	4	1	42.080101	59.9179993	17.8378983	2	Moderate	IEC 2	U4	902	72.93382129	27.90097388
266	Single Cell Hotspot	1	4	1	42.146702	58.4201012	16.273346	2	Moderate	IEC 2	U2	902	72.93380042	27.90097365
267	Single Cell Hotspot	1	4	1	43.815601	58.4445	14.6288834	2	Moderate	IEC 2	L2	902	72.9338007	27.90095569

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
268	Single Cell Hotspot	2	4	1	44.651501	63.2340012	18.5825615	1	Moderate	IEC 2	L7	902	72.93378108	27.90089266
269	Single Cell Hotspot	2	4	1	43.230701	95.7188034	52.488121	2	Critical	IEC 2	U3	902	72.93384304	27.9009107
270	Single Cell Hotspot	2	4	1	45.778	65.5821991	19.8042107	2	Moderate	IEC 2	L7	902	72.93388511	27.90089453
271	Single Cell Hotspot	2	4	1	41.563202	56.1977005	14.6345215	2	Moderate	IEC 2	U10	902	72.93391594	27.90091218
272	Single Cell Hotspot	2	4	1	45.2201	70.1648026	24.9446411	3	Critical	IEC 2	U7	902	72.93398929	27.90091236
274	Single Cell Hotspot	2	4	1	42.9034	62.887001	19.983654	4	Moderate	IEC 2	L1	902	72.9340311	27.90089609
275	Single Cell Hotspot	2	4	1	43.7332	61.7489014	18.0156937	4	Moderate	IEC 2	L4	902	72.93406232	27.90089683
276	Single Cell Hotspot	2	4	1	41.793598	63.5741005	21.78051	5	Critical	IEC 2	L3	902	72.9341568	27.90089761
277	Single Cell Hotspot	2	4	1	43.852402	59.2616997	15.4092941	5	Moderate	IEC 2	L4	902	72.9341673	27.90089773
278	Single Cell Hotspot	2	4	1	45.280701	65.4561997	20.1755714	9	Moderate	IEC 2	U5	909	72.93459498	27.90092279
279	Single Cell Hotspot	2	4	1	49.0961	68.7154999	19.6193962	9	Moderate	IEC 2	L6	909	72.93460572	27.90090602
280	Single Cell Hotspot	2	4	1	46.958801	63.9715996	17.0127525	10	Moderate	IEC 2	L3	909	72.93467864	27.90090729
281	Single Cell Hotspot	2	4	1	48.719601	74.3154984	25.5958672	13	Critical	IEC 2	L5	909	72.93501308	27.90091116
282	Single Cell Hotspot	2	4	1	46.812698	61.0821991	14.2695427	13	Moderate	IEC 2	U10	939	72.93506465	27.90092919
283	Single Cell Hotspot	3	4	1	46.780899	59.9897995	13.208889	16	Moderate	IEC 2	L9	939	72.93539958	27.90085472
284	Single Cell Hotspot	3	4	1	43.9813	66.3687973	22.3875122	14	Critical	IEC 2	U3	939	72.93512812	27.90086676
285	Single Cell Hotspot	3	4	1	44.436901	92.6104965	48.1736107	13	Critical	IEC 2	U3	909	72.93502429	27.90086525
286	Single Cell Hotspot	3	4	1	39.316299	71.0864029	31.7701683	13	Critical	IEC 2	L1	909	72.93500323	27.90084827
287	Single Cell Hotspot	3	4	1	45.7822	75.5214996	29.7393265	12	Critical	IEC 2	L1	909	72.93489896	27.90084736
288	Single Cell Hotspot	3	4	1	44.0061	64.1667023	20.1606522	12	Moderate	IEC 2	L6	909	72.93495073	27.90084867
289	Single Cell Hotspot	3	4	1	45.715698	68.7279968	23.0122757	11	Critical	IEC 2	L3	909	72.9348155	27.90084656
290	Single Cell Hotspot	3	4	1	44.380901	63.2645989	18.8836975	9	Moderate	IEC 2	U4	909	72.93461677	27.90085852
291	Single Cell Hotspot	3	4	1	41.037899	64.2601013	23.2222214	7	Critical	IEC 2	U7	902	72.93443941	27.90085503
292	Single Cell Hotspot	3	4	1	43.673302	62.0489006	18.3755837	7	Moderate	IEC 2	L6	902	72.93442936	27.90083769
293	Single Cell Hotspot	3	4	1	46.095798	60.7918015	14.695919	5	Moderate	IEC 2	L10	902	72.93426202	27.90083788
294	Single Cell Hotspot	3	4	1	45.513901	70.302002	24.7880859	5	Critical	IEC 2	L7	902	72.93423081	27.9008369
296	Single Cell Hotspot	3	4	1	41.3438	65.4853973	24.1416092	2	Critical	IEC 2	U2	902	72.93386472	27.90084719
297	Single Cell Hotspot	3	4	1	37.3368	61.2061005	23.8693047	1	Critical	IEC 2	L1	902	72.93375086	27.90082799
298	Single Cell Hotspot	4	4	1	43.506802	62.2596016	18.7527809	1	Moderate	IEC 2	L4	902	72.9338142	27.90076364
299	Single Cell Hotspot	4	4	1	43.299599	62.5103989	19.2108536	2	Moderate	IEC 2	L10	902	72.9339805	27.9007692
300	Single Cell Hotspot	4	4	1	43.533501	64.3412018	20.8076477	4	Moderate	IEC 2	L7	902	72.93415818	27.90077407
301	Single Cell Hotspot	4	4	1	44.9007	59.3581009	14.4574051	10	Moderate	IEC 2	U1	909	72.93472152	27.9007982
302	Single Cell Hotspot	4	4	1	37.9123	76.4637985	38.5515747	11	Critical	IEC 2	U1	909	72.93482603	27.90079813

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
303	Single Cell Hotspot	4	4	1	45.268299	83.1552963	37.8870163	12	Critical	IEC 2	L10	909	72.93502439	27.90078744
304	Single Cell Hotspot	4	4	1	44.534401	63.3602982	18.8258934	13	Moderate	IEC 2	L9	939	72.93511837	27.90078805
305	Single Cell Hotspot	4	4	1	47.009701	68.5710983	21.5613594	14	Critical	IEC 2	U6	939	72.93519089	27.90080667
306	Single Cell Hotspot	4	4	1	44.028702	86.0661011	42.0373535	16	Critical	IEC 2	L1	939	72.93534779	27.90079096
307	Single Cell Hotspot	4	4	1	42.865799	99.7044983	56.8387108	16	Critical	IEC 2	L9	939	72.93543097	27.90079256
308	Single Cell Hotspot	5	4	1	39.693901	65.9103012	26.216362	15	Critical	IEC 2	U9	939	72.93535936	27.90074488
309	Single Cell Hotspot	5	4	1	42.365101	67.8380966	25.4729729	15	Critical	IEC 2	L8	939	72.93534959	27.90072763
310	Single Cell Hotspot	5	4	1	46.0145	66.4411011	20.4265709	13	Moderate	IEC 2	U2	939	72.93507809	27.90074006
311	Single Cell Hotspot	5	4	1	39.4505	66.1965027	26.7460518	11	Critical	IEC 2	U8	909	72.93493161	27.90073763
312	Single Cell Hotspot	5	4	1	43.203899	66.1216965	22.9178276	11	Critical	IEC 2	L7	909	72.9349217	27.90072064
313	Single Cell Hotspot	5	4	1	48.2752	73.2352982	24.9600868	10	Critical	IEC 2	L10	909	72.93484815	27.90072
314	Single Cell Hotspot	5	4	1	41.930901	69.3730011	27.4421349	10	Critical	IEC 2	L3	909	72.93477542	27.90071801
315	Single Cell Hotspot	5	4	1	47.513599	63.0924988	15.5788193	9	Moderate	IEC 2	L10	909	72.93474408	27.90071729
316	Single Cell Hotspot	5	4	1	44.940399	60.1302986	15.1899338	9	Moderate	IEC 2	L8	909	72.93472334	27.90071651
317	Single Cell Hotspot	5	4	1	45.3092	62.4384995	17.1293106	9	Moderate	IEC 2	U6	909	72.9347016	27.90073272
318	Single Cell Hotspot	5	4	1	41.0425	65.8463974	24.803833	9	Critical	IEC 2	L2	909	72.93466071	27.90071457
319	Single Cell Hotspot	5	4	1	46.659599	62.4452019	15.7856636	7	Moderate	IEC 2	L6	902	72.93449369	27.90071296
320	Single Cell Hotspot	5	4	1	34.916901	72.1585999	37.2417069	7	Critical	IEC 2	L2	902	72.93445202	27.9007113
321	Single Cell Hotspot	5	4	1	44.963001	85.7572022	40.7942543	3	Critical	IEC 2	U9	902	72.93410649	27.90072726
322	Single Cell Hotspot	5	4	1	42.555401	73.3082962	30.7529068	2	Critical	IEC 2	U3	902	72.9339393	27.90072251
324	Single Cell Hotspot	6	4	1	44.320702	61.9875984	17.6668778	2	Moderate	IEC 2	L9	902	72.93403382	27.90064465
325	Single Cell Hotspot	6	4	1	44.727001	67.064003	22.3369751	5	Critical	IEC 2	U3	902	72.93428474	27.90066674
326	Single Cell Hotspot	6	4	1	47.002998	69.0743027	22.0713539	7	Critical	IEC 2	L7	902	72.93453569	27.90065161
327	Single Cell Hotspot	6	4	1	46.300098	66.1112976	19.8111725	8	Moderate	IEC 2	U2	909	72.93458732	27.90066957
328	Single Cell Hotspot	6	4	1	47.617599	67.4468002	19.8291168	8	Moderate	IEC 2	L6	909	72.93462937	27.90065361
329	Single Cell Hotspot	6	4	1	45.7239	59.3069	13.583065	8	Moderate	IEC 2	L10	909	72.93467111	27.90065481
330	Single Cell Hotspot	6	4	1	43.854401	64.2673035	20.4129105	9	Moderate	IEC 2	L3	909	72.93470285	27.90065527
331	Single Cell Hotspot	6	4	1	47.943401	65.3876038	17.4441948	9	Moderate	IEC 2	L5	909	72.93472371	27.90065552
332	Single Cell Hotspot	6	4	1	44.264198	64.1555023	19.8913002	9	Moderate	IEC 2	U5	909	72.93472363	27.9006728
333	Single Cell Hotspot	6	4	1	45.807999	68.764801	22.9567604	10	Critical	IEC 2	L4	909	72.9348174	27.90065624
334	Single Cell Hotspot	6	4	1	50.4198	61.8745995	11.4548531	12	Moderate	IEC 2	L9	939	72.93507868	27.9006606
335	Single Cell Hotspot	6	4	1	44.162102	61.9033012	17.7411194	13	Moderate	IEC 2	U9	939	72.93518273	27.90067874
336	Single Cell Hotspot	6	4	1	44.414101	60.0545998	15.6405296	14	Moderate	IEC 2	L4	939	72.93523532	27.90066348

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
337	Single Cell Hotspot	6	4	1	44.747299	58.6805	13.9331627	14	Moderate	IEC 2	L7	939	72.93526659	27.9006642
338	Single Cell Hotspot	6	4	1	39.757	58.2528992	18.4958801	14	Moderate	IEC 2	U8	939	72.9352763	27.90068124
339	Single Cell Hotspot	6	4	1	42.855999	66.1759033	23.319912	15	Critical	IEC 2	U5	939	72.93535011	27.90068062
340	Single Cell Hotspot	6	4	1	40.883202	59.3983994	18.5152397	15	Moderate	IEC 2	U8	939	72.93538099	27.90068108
341	Single Cell Hotspot	6	4	1	40.192799	57.4375	17.2446823	15	Moderate	IEC 2	L8	939	72.93538134	27.90066447
342	Single Cell Hotspot	6	4	1	44.5341	57.9645996	13.4304047	16	Moderate	IEC 2	U1	939	72.93541254	27.90068184
343	Single Cell Hotspot	6	4	1	44.085499	56.5077019	12.4221802	16	Moderate	IEC 2	L8	939	72.93548561	27.90066694
344	Single Cell Hotspot	1	4	2	45.369999	59.2522011	13.8821907	16	Moderate	IEC 2	L10	939	72.93553881	27.90060427
346	Single Cell Hotspot	1	4	2	43.7728	59.1936989	15.4209137	16	Moderate	IEC 2	U4	939	72.93547605	27.90061987
347	Single Cell Hotspot	1	4	2	43.527401	59.7286987	16.2012749	16	Moderate	IEC 2	U3	939	72.93546563	27.90061971
348	Single Cell Hotspot	1	4	2	40.5952	63.3053017	22.7100716	15	Critical	IEC 2	U7	939	72.93540355	27.90061878
349	Single Cell Hotspot	1	4	2	42.975201	67.9178009	24.942543	15	Critical	IEC 2	U2	939	72.93535131	27.90061781
350	Single Cell Hotspot	1	4	2	44.762901	59.4686012	14.7056427	14	Moderate	IEC 2	L10	939	72.93532985	27.9006009
351	Single Cell Hotspot	1	4	2	39.956501	59.4440002	19.4875908	13	Moderate	IEC 2	L1	939	72.93513221	27.90059687
352	Single Cell Hotspot	1	4	2	43.359299	94.6156998	51.2563934	11	Critical	IEC 2	L2	909	72.93493391	27.90059439
353	Single Cell Hotspot	1	4	2	44.6161	57.2873001	12.6712647	10	Moderate	IEC 2	U1	909	72.93481845	27.90060927
354	Single Cell Hotspot	1	4	2	43.746899	57.8061981	14.0593643	9	Moderate	IEC 2	U8	909	72.93478709	27.90060891
355	Single Cell Hotspot	1	4	2	45.481602	70.2548981	24.773262	9	Critical	IEC 2	L4	909	72.93474598	27.90059097
356	Single Cell Hotspot	1	4	2	45.227699	71.5384979	26.3107681	8	Critical	IEC 2	U7	909	72.93467217	27.90060716
357	Single Cell Hotspot	1	4	2	45.8862	62.8084984	16.9222336	7	Moderate	IEC 2	L7	909	72.93456794	27.90058935
358	Single Cell Hotspot	1	4	2	43.6381	69.6018982	25.9638176	6	Critical	IEC 2	L10	902	72.93449435	27.90058747
359	Single Cell Hotspot	1	4	2	47.955502	75.4449997	27.4895287	5	Critical	IEC 2	L10	902	72.93439013	27.90058713
360	Single Cell Hotspot	1	4	2	47.4776	65.1660996	17.6884766	4	Moderate	IEC 2	L5	902	72.93423368	27.90058607
361	Single Cell Hotspot	1	4	2	43.979	83.9324036	39.9533196	3	Critical	IEC 2	U10	902	72.93418152	27.90060244
362	Single Cell Hotspot	1	4	2	43.959202	63.4085007	19.449337	3	Moderate	IEC 2	L3	902	72.93410875	27.90058412
363	Single Cell Hotspot	1	4	2	42.228802	59.3981018	17.1693306	2	Moderate	IEC 2	U2	902	72.93399344	27.90060008
364	Single Cell Hotspot	2	4	2	44.998402	62.7286987	17.7303352	2	Moderate	IEC 2	L9	902	72.93409852	27.90051691
365	Single Cell Hotspot	4	4	2	37.5369	66.8229981	29.2861023	1	Critical	IEC 2	U8	902	72.93404857	27.90040864
366	Single Cell Hotspot	1	5	1	42.167702	77.5165024	35.3487968	1	Critical	IEC 2	L6	902	72.93405971	27.90032651
367	Single Cell Hotspot	2	5	1	47.699001	69.8200989	22.121109	2	Critical	IEC 2	L10	902	72.93423822	27.90026715
368	Single Cell Hotspot	3	5	1	41.644901	70.9194031	29.2745667	2	Critical	IEC 2	U4	902	72.93420745	27.90022172
369	Single Cell Hotspot	3	5	1	41.495899	64.8497009	23.3537712	1	Critical	IEC 2	L10	902	72.93416618	27.90020369
370	Single Cell Hotspot	2	5	1	43.794899	61.7476006	17.9526291	2	Moderate	IEC 2	U3	902	72.93416501	27.90028353

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
371	Single Cell Hotspot	2	5	1	44.044201	61.5633011	17.5190468	2	Moderate	IEC 2	L4	902	72.93417568	27.9002665
372	Single Cell Hotspot	2	5	1	44.615299	72.5701981	27.9549255	2	Critical	IEC 2	L5	902	72.93418627	27.90026669
373	Single Cell Hotspot	3	5	1	44.173401	59.0979996	14.9245911	1	Moderate	IEC 2	L3	902	72.93409335	27.90020233
374	Single Cell Hotspot	5	5	1	44.180599	71.1266022	26.9459839	2	Critical	IEC 2	U2	902	72.93425126	27.90009394
375	Single Cell Hotspot	6	5	1	44.680901	67.0164032	22.3354225	1	Critical	IEC 2	U4	902	72.93420039	27.9000312
376	Single Cell Hotspot	6	5	1	42.0919	63.8172989	21.725399	1	Critical	IEC 2	U5	902	72.93421058	27.90003133
377	Single Cell Hotspot	6	5	1	45.697201	65.1672974	19.4701614	2	Moderate	IEC 2	L10	902	72.93436689	27.90001564
378	Single Cell Hotspot	1	5	2	42.731098	65.8443985	23.1132927	2	Critical	IEC 2	L6	902	72.9343578	27.89995266
379	Single Cell Hotspot	1	5	2	46.519798	61.7048988	15.185112	2	Moderate	IEC 2	L8	902	72.93437865	27.89995311
380	Single Cell Hotspot	2	5	2	42.969601	66.1213989	23.1518135	1	Critical	IEC 2	U4	902	72.93426541	27.89990325
381	Single Cell Hotspot	2	5	2	41.202599	63.7478981	22.5452232	2	Critical	IEC 2	U10	902	72.93443211	27.89990904
382	Single Cell Hotspot	3	5	2	44.861401	74.4097977	29.5483475	2	Critical	IEC 2	U2	902	72.93438142	27.89984273
383	Single Cell Hotspot	3	5	2	43.846199	64.2423019	20.3961067	1	Moderate	IEC 2	U10	902	72.93436054	27.89984239
384	Single Cell Hotspot	3	5	2	35.720501	65.4541016	29.7335739	1	Critical	IEC 2	L1	902	72.93426679	27.899823
385	Single Cell Hotspot	3	5	2	45.5839	66.7154007	21.1315193	2	Critical	IEC 2	L5	902	72.93441306	27.89982652
386	Single Cell Hotspot	3	5	2	44.387901	56.6209984	12.2330589	2	Moderate	IEC 2	L9	902	72.93445479	27.89982757
387	Single Cell Hotspot	3	5	2	42.6353	94.8125992	52.1772919	3	Critical	IEC 2	U8	902	72.9345486	27.89984603
388	Single Cell Hotspot	3	5	2	42.1973	61.3240013	19.1266365	3	Moderate	IEC 2	U10	902	72.9345695	27.89984631
389	Single Cell Hotspot	2	5	2	45.065899	63.5990982	18.5332298	3	Moderate	IEC 2	U3	902	72.93446404	27.89990687
390	Single Cell Hotspot	2	5	2	45.7187	60.485199	14.7664948	3	Moderate	IEC 2	U6	902	72.93449548	27.8999077
391	Single Cell Hotspot	2	5	2	44.8209	68.3339996	23.5131111	3	Critical	IEC 2	L9	902	72.93452728	27.89989171
392	Single Cell Hotspot	2	5	2	47.169498	63.8709984	16.7014465	4	Moderate	IEC 2	U6	909	72.93459938	27.89991089
393	Single Cell Hotspot	1	5	2	42.4505	67.2099991	24.7594833	3	Critical	IEC 2	L7	902	72.93447327	27.89995289
394	Single Cell Hotspot	1	5	2	44.6311	66.3024979	21.6714211	4	Critical	IEC 2	L3	902	72.93453601	27.89995491
395	Single Cell Hotspot	1	5	2	42.6478	60.6537018	18.0058785	4	Moderate	IEC 2	U5	902	72.93455609	27.89997239
396	Single Cell Hotspot	6	5	1	42.400398	63.0923996	20.6919899	4	Moderate	IEC 2	L10	902	72.93457577	27.90002006
397	Single Cell Hotspot	6	5	1	46.699299	70.8901978	24.1908341	4	Critical	IEC 2	L9	902	72.9345655	27.90001994
398	Single Cell Hotspot	6	5	1	43.1488	57.6091003	14.4603958	4	Moderate	IEC 2	U9	902	72.93456518	27.90003684
399	Single Cell Hotspot	6	5	1	35.3148	63.2204018	27.9056053	5	Critical	IEC 2	L1	909	72.93458668	27.9000202
400	Single Cell Hotspot	5	5	1	47.5382	71.9722977	24.434021	3	Critical	IEC 2	L5	902	72.93438778	27.90008006
401	Single Cell Hotspot	5	5	1	45.9403	69.5776978	23.6374474	3	Critical	IEC 2	L3	902	72.93436684	27.90007981
402	Single Cell Hotspot	4	5	1	43.3335	67.8100967	24.4765434	3	Critical	IEC 2	U8	902	72.93438637	27.9001587
403	Single Cell Hotspot	4	5	1	44.469101	76.7307968	32.2617073	4	Critical	IEC 2	U4	902	72.93444887	27.90016005

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
404	Single Cell Hotspot	3	5	1	42.870499	69.4337997	26.5633583	3	Critical	IEC 2	U2	902	72.93429136	27.90022192
405	Single Cell Hotspot	3	5	1	37.270599	78.7390976	41.4684944	3	Critical	IEC 2	L7	902	72.93434394	27.90020474
406	Single Cell Hotspot	3	5	1	36.193501	66.6568985	30.4634018	3	Critical	IEC 2	L8	902	72.93435467	27.9002049
407	Single Cell Hotspot	1	5	1	44.567699	67.3458023	22.778122	3	Critical	IEC 2	U4	902	72.93424751	27.90034631
408	Single Cell Hotspot	1	5	1	45.8256	69.2654038	23.4398041	3	Critical	IEC 2	L7	902	72.93427897	27.90033003
409	Single Cell Hotspot	1	5	1	47.2719	59.9632988	12.6913872	3	Moderate	IEC 2	U10	902	72.93431003	27.90034743
410	Single Cell Hotspot	1	5	1	44.787601	64.6296997	19.8421898	4	Moderate	IEC 2	U2	902	72.93433088	27.90034789
411	Single Cell Hotspot	1	5	1	45.2644	62.5353012	17.2709465	4	Moderate	IEC 2	U3	902	72.9343414	27.90034799
412	Single Cell Hotspot	1	5	1	46.368599	62.5567017	16.1881332	3	Moderate	IEC 2	L10	902	72.93431025	27.90033073
413	Single Cell Hotspot	1	5	1	42.949402	63.1431007	20.193718	4	Moderate	IEC 2	U9	902	72.93440371	27.9003495
414	Single Cell Hotspot	1	5	1	44.824699	78.6452026	33.8204651	5	Critical	IEC 2	L7	902	72.9344879	27.90033334
415	Single Cell Hotspot	1	5	1	44.4207	83.3429031	38.9221573	6	Critical	IEC 2	L1	902	72.93452983	27.90033409
416	Single Cell Hotspot	1	5	1	46.158501	59.2265015	13.0680847	5	Moderate	IEC 2	L10	902	72.93451934	27.90033396
417	Single Cell Hotspot	1	5	1	44.598999	69.6369019	25.0378876	6	Critical	IEC 2	L2	902	72.93454031	27.90033418
418	Single Cell Hotspot	1	5	1	46.1842	64.3031006	18.1188736	6	Moderate	IEC 2	L4	902	72.9345611	27.9003345
419	Single Cell Hotspot	3	5	1	44.7342	59.9835014	15.2492752	6	Moderate	IEC 2	U6	909	72.9346464	27.90022662
420	Single Cell Hotspot	3	5	1	45.4254	65.5155029	20.0901032	5	Moderate	IEC 2	L8	902	72.93456327	27.90020814
421	Single Cell Hotspot	4	5	1	43.6707	97.6108017	53.9401207	6	Critical	IEC 2	L2	909	72.93463735	27.90014808
422	Single Cell Hotspot	5	5	1	44.5312	69.3532028	24.8219757	5	Critical	IEC 2	U7	909	72.93461734	27.90009998
423	Single Cell Hotspot	5	5	1	45.779999	61.5390015	15.7589722	5	Moderate	IEC 2	L7	909	72.93461757	27.90008308
424	Single Cell Hotspot	6	5	1	43.389702	93.4487991	50.0591126	6	Critical	IEC 2	U1	909	72.93469134	27.90003872
425	Single Cell Hotspot	6	5	1	47.313599	62.7092018	15.3955879	5	Moderate	IEC 2	L7	909	72.9346498	27.90002095
426	Single Cell Hotspot	1	5	2	45.594399	73.950798	28.356411	6	Critical	IEC 2	L4	909	72.93475465	27.89995914
427	Single Cell Hotspot	2	5	2	44.628399	90.4857025	45.8572846	5	Critical	IEC 2	U10	909	72.93474575	27.89991322
428	Single Cell Hotspot	3	5	2	44.444099	67.8227997	23.3787804	6	Critical	IEC 2	L10	909	72.93488266	27.89983431
429	Single Cell Hotspot	3	5	2	42.527901	93.1688995	50.6409607	8	Critical	IEC 2	U6	909	72.93504953	27.89985418
430	Single Cell Hotspot	3	5	2	39.037201	58.8791008	19.8418388	8	Moderate	IEC 2	U5	909	72.93503877	27.89985398
431	Single Cell Hotspot	3	5	2	46.700699	63.7621002	17.0614586	7	Moderate	IEC 2	U6	909	72.9349454	27.89985153
432	Single Cell Hotspot	2	5	2	44.651299	82.1295013	37.4781685	8	Critical	IEC 2	U4	909	72.93499637	27.89991718
433	Single Cell Hotspot	2	5	2	46.444099	58.8974991	12.4534683	8	Moderate	IEC 2	L3	909	72.934986	27.89990001
434	Single Cell Hotspot	3	5	2	45.8895	75.3447037	29.455143	10	Critical	IEC 2	L3	939	72.93522735	27.89984048
435	Single Cell Hotspot	3	5	2	44.922901	55.0821991	10.1592293	10	Moderate	IEC 2	U4	939	72.93523771	27.89985774
436	Single Cell Hotspot	3	5	2	37.965	55.0952988	17.1302872	10	Moderate	IEC 2	L10	939	72.93530048	27.89984154

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
437	Single Cell Hotspot	2	5	2	46.229301	62.1393013	15.9100113	9	Moderate	IEC 2	U5	909	72.93511149	27.89991796
438	Single Cell Hotspot	2	5	2	48.220001	62.2947998	14.0748291	9	Moderate	IEC 2	U6	939	72.93512204	27.89991805
439	Single Cell Hotspot	1	5	2	43.3536	82.5764999	39.2229271	9	Critical	IEC 2	U10	939	72.93513055	27.89998155
440	Single Cell Hotspot	1	5	2	42.809898	62.6683998	19.8585815	9	Moderate	IEC 2	L6	909	72.93508928	27.89996346
441	Single Cell Hotspot	6	5	1	41.811401	64.191597	22.3801575	9	Critical	IEC 2	U5	909	72.93504639	27.90004414
442	Single Cell Hotspot	6	5	1	39.1693	65.3749008	26.2056656	9	Critical	IEC 2	U7	909	72.93506746	27.90004443
443	Single Cell Hotspot	6	5	1	43.919601	64.3225021	20.402916	10	Moderate	IEC 2	U10	939	72.93520246	27.90004775
444	Single Cell Hotspot	1	5	2	47.711399	61.6722984	13.9609184	7	Moderate	IEC 2	L4	909	72.93485943	27.89996091
445	Single Cell Hotspot	5	5	1	41.549702	93.9460983	52.3963623	7	Critical	IEC 2	L7	909	72.93482668	27.90008407
446	Single Cell Hotspot	4	5	1	44.821999	82.2815018	37.4594841	7	Critical	IEC 2	U9	909	72.93481478	27.90016855
447	Single Cell Hotspot	4	5	1	45.928799	65.6511993	19.7223892	8	Moderate	IEC 2	L2	909	72.93484612	27.9001519
448	Single Cell Hotspot	3	5	1	45.5909	68.2362976	22.6454086	8	Critical	IEC 2	L6	909	72.93485561	27.9002138
449	Single Cell Hotspot	2	5	1	45.479198	93.8001022	48.3208656	8	Critical	IEC 2	L9	909	72.93485422	27.90027808
450	Single Cell Hotspot	1	5	1	44.355301	66.8466034	22.4912605	7	Critical	IEC 2	L5	909	72.93467662	27.90033571
451	Single Cell Hotspot	4	4	2	45.3913	62.2052994	16.8139343	7	Moderate	IEC 2	U5	909	72.93464397	27.90041721
452	Single Cell Hotspot	3	4	2	45.2812	104.619003	59.3373222	7	Critical	IEC 2	U4	909	72.93460192	27.90047816
453	Single Cell Hotspot	2	5	1	49.130901	73.3135986	24.182663	9	Critical	IEC 2	L6	909	72.93492784	27.90027915
454	Single Cell Hotspot	2	5	1	47.657398	62.8830986	15.2256737	10	Moderate	IEC 2	L9	909	72.93506308	27.90028228
455	Single Cell Hotspot	2	5	1	37.395	64.889801	27.4948616	11	Critical	IEC 2	U1	909	72.93508381	27.90030062
456	Single Cell Hotspot	4	5	1	44.342899	61.4035988	17.0606995	10	Moderate	IEC 2	U8	939	72.93511704	27.90017178
457	Single Cell Hotspot	4	5	1	47.786598	59.839901	12.0532112	9	Moderate	IEC 2	L3	909	72.93496119	27.900152
458	Single Cell Hotspot	5	5	1	37.392601	66.4113998	29.0188179	9	Critical	IEC 2	U3	909	72.93499317	27.90010361
459	Single Cell Hotspot	5	5	1	40.707901	67.0768967	26.3689919	9	Critical	IEC 2	L6	909	72.93502518	27.90008776
460	Single Cell Hotspot	3	5	2	42.373501	59.4253998	17.0518799	12	Moderate	IEC 2	U3	939	72.93543623	27.89986058
461	Single Cell Hotspot	3	5	2	41.308102	58.9547997	17.6466713	12	Moderate	IEC 2	U2	939	72.93542565	27.89986041
462	Single Cell Hotspot	2	5	2	44.810398	66.6691971	21.8587837	11	Critical	IEC 2	L5	939	72.93532094	27.89990446
463	Single Cell Hotspot	2	5	2	43.167198	65.2055969	22.0384331	11	Critical	IEC 2	U10	939	72.93537235	27.89992281
464	Single Cell Hotspot	2	5	2	39.658401	72.1902008	32.5318527	12	Critical	IEC 2	U1	939	72.93538287	27.89992294
465	Single Cell Hotspot	1	5	2	45.101002	61.9211006	16.8201714	12	Moderate	IEC 2	U1	939	72.93534979	27.89998524
466	Single Cell Hotspot	1	5	2	44.180199	65.7723007	21.5921745	11	Critical	IEC 2	U5	939	72.93528736	27.89998438
467	Single Cell Hotspot	6	5	1	45.759701	68.9120026	23.1522865	12	Critical	IEC 2	L8	939	72.93539119	27.90003445
468	Single Cell Hotspot	6	5	1	45.110298	60.5752983	15.4649696	11	Moderate	IEC 2	L6	939	72.93526636	27.90003136
469	Single Cell Hotspot	6	5	1	46.638	63.9723015	17.3342552	11	Moderate	IEC 2	L2	939	72.93522466	27.90002993

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
470	Single Cell Hotspot	5	5	1	43.979	62.9133987	18.9344139	11	Moderate	IEC 2	U6	939	72.93523299	27.90010973
471	Single Cell Hotspot	4	5	1	44.9944	64.3312988	19.3369598	12	Moderate	IEC 2	L8	939	72.93532611	27.90015776
472	Single Cell Hotspot	4	5	1	45.083302	61.0399017	15.9566574	12	Moderate	IEC 2	L3	939	72.93527403	27.90015707
473	Single Cell Hotspot	4	5	1	43.882301	59.577301	15.695034	12	Moderate	IEC 2	U1	939	72.93525274	27.90017318
474	Single Cell Hotspot	4	5	1	38.843601	58.5326996	19.6891022	11	Moderate	IEC 2	U1	939	72.93514885	27.90017088
475	Single Cell Hotspot	3	5	1	46.3797	61.3440018	14.9643784	12	Moderate	IEC 2	L8	939	72.93529407	27.90022181
476	Single Cell Hotspot	3	5	1	44.258701	63.6060982	19.3474274	11	Moderate	IEC 2	U10	939	72.93521031	27.90023714
477	Single Cell Hotspot	2	5	1	45.016201	62.7080994	17.6918945	12	Moderate	IEC 2	L1	939	72.93518838	27.90028465
478	Single Cell Hotspot	2	4	2	41.930599	55.3302994	13.3997459	16	Moderate	IEC 2	U1	939	72.93547702	27.9005579
479	Single Cell Hotspot	1	5	1	40.921501	62.1381989	21.2166405	13	Critical	IEC 2	L3	939	72.93528216	27.90034601
480	Single Cell Hotspot	1	5	1	44.4711	69.6799011	25.2087097	13	Critical	IEC 2	L10	939	72.93535485	27.90034853
481	Single Cell Hotspot	1	5	1	42.9021	58.0512009	15.1491089	13	Moderate	IEC 2	U6	939	72.93531288	27.90036484
482	Single Cell Hotspot	2	5	1	41.181	61.7456017	20.5646172	13	Moderate	IEC 2	L4	939	72.93532449	27.90028602
483	Single Cell Hotspot	2	5	1	42.325001	77.2450028	34.9199295	13	Critical	IEC 2	U9	939	72.93537607	27.90030392
484	Single Cell Hotspot	2	5	1	41.873798	63.1076012	21.2337265	14	Critical	IEC 2	U3	939	72.93541779	27.90030427
485	Single Cell Hotspot	2	5	1	41.268799	63.3429985	22.0742493	14	Critical	IEC 2	U5	939	72.93543868	27.90030458
486	Single Cell Hotspot	2	5	1	41.2407	64.7388001	23.4981422	14	Critical	IEC 2	U7	939	72.93545923	27.90030489
487	Single Cell Hotspot	2	5	1	41.5812	61.0681	19.4869194	14	Moderate	IEC 2	L10	939	72.9354909	27.90028791
488	Single Cell Hotspot	2	5	1	41.023899	63.3728981	22.3489647	15	Critical	IEC 2	U2	939	72.93551172	27.90030497
489	Single Cell Hotspot	2	5	1	42.497299	63.9325981	21.4353447	15	Critical	IEC 2	U4	939	72.93553271	27.90030522
490	Single Cell Hotspot	2	5	1	42.041401	58.6759987	16.6346474	15	Moderate	IEC 2	U5	939	72.93554304	27.90030537
491	Single Cell Hotspot	2	5	1	42.292301	63.4438019	21.1514664	16	Critical	IEC 2	U7	919	72.93566786	27.90030725
492	Single Cell Hotspot	3	5	1	45.233101	59.9389	14.7058182	13	Moderate	IEC 2	L2	939	72.93533606	27.90022159
493	Single Cell Hotspot	3	5	1	45.959	72.4904022	26.5314331	14	Critical	IEC 2	L2	939	72.93544033	27.90022287
494	Single Cell Hotspot	3	5	1	44.391102	60.4645996	16.0734596	14	Moderate	IEC 2	U6	939	72.93548151	27.90024042
495	Single Cell Hotspot	3	5	1	42.800301	61.0685005	18.2681503	15	Moderate	IEC 2	L8	919	72.93560747	27.9002252
496	Single Cell Hotspot	3	5	1	43.396599	63.0772018	19.6805382	16	Moderate	IEC 2	L3	919	72.93565946	27.90022674
497	Single Cell Hotspot	3	5	1	40.0732	60.7271996	20.6540031	16	Moderate	IEC 2	U4	919	72.93566923	27.90024391
498	Single Cell Hotspot	3	5	1	46.753799	60.2911987	13.5373917	16	Moderate	IEC 2	L9	919	72.93572161	27.90022828
499	Single Cell Hotspot	4	5	1	41.473301	61.2168007	19.7434502	16	Moderate	IEC 2	U9	919	72.93575327	27.90018264
500	Single Cell Hotspot	4	5	1	42.9002	61.9169998	19.0168381	15	Moderate	IEC 2	L10	919	72.93566021	27.90016382
501	Single Cell Hotspot	4	5	1	44.530399	61.7075005	17.1770554	15	Moderate	IEC 2	L4	919	72.93559773	27.90016265
502	Single Cell Hotspot	4	5	1	46.015301	75.074997	29.0596886	13	Critical	IEC 2	L8	939	72.93543067	27.90015882

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
503	Single Cell Hotspot	5	5	1	41.6217	65.3135986	23.6919479	14	Critical	IEC 2	U8	939	72.93556695	27.9001166
504	Single Cell Hotspot	5	5	1	41.642101	62.7731018	21.131073	14	Critical	IEC 2	U6	939	72.93554606	27.90011597
505	Single Cell Hotspot	5	5	1	38.959801	69.6882019	30.7284393	14	Critical	IEC 2	L7	939	72.93555709	27.90009947
506	Single Cell Hotspot	5	5	1	46.431702	75.8234024	29.391655	14	Critical	IEC 2	L10	939	72.9355881	27.90009962
507	Single Cell Hotspot	6	5	1	43.471802	73.2789993	29.8072052	13	Critical	IEC 2	L9	939	72.93550633	27.90003467
508	Single Cell Hotspot	6	5	1	47.5518	63.3728981	15.8211327	14	Moderate	IEC 2	L5	939	72.93556834	27.9000362
509	Single Cell Hotspot	1	5	2	43.82	67.1327972	23.3127937	14	Critical	IEC 2	L6	919	72.93561086	27.89997271
510	Single Cell Hotspot	1	5	2	38.4552	62.8959007	24.4407005	14	Critical	IEC 2	L10	919	72.93565255	27.89997433
511	Single Cell Hotspot	2	5	2	41.907398	76.1128998	34.2055664	13	Critical	IEC 2	L7	939	72.93555047	27.89990995
512	Single Cell Hotspot	3	5	2	43.225101	62.1418991	18.9168396	13	Moderate	IEC 2	L10	939	72.93561386	27.89984716
513	Single Cell Hotspot	3	5	2	43.329899	69.9357987	26.6058998	14	Critical	IEC 2	U5	919	72.93566561	27.89986479
514	Single Cell Hotspot	3	5	2	41.930801	65.5466995	23.6158943	14	Critical	IEC 2	U6	919	72.93567596	27.89986493
515	Single Cell Hotspot	3	5	2	41.513302	73.4826965	31.9693756	14	Critical	IEC 2	U9	919	72.93570715	27.89986548
516	Single Cell Hotspot	3	5	2	39.0737	66.5478973	27.4741287	14	Critical	IEC 2	U10	919	72.93571754	27.89986561
517	Single Cell Hotspot	3	5	2	38.083	69.3992996	31.3163338	15	Critical	IEC 2	U5	919	72.93576994	27.89986566
518	Single Cell Hotspot	3	5	2	40.259102	65.7506027	25.4914703	15	Critical	IEC 2	U9	919	72.93581179	27.89986669
519	Single Cell Hotspot	3	5	2	44.418301	64.6629028	20.2445526	16	Moderate	IEC 2	U10	919	72.93592606	27.89986696
520	Single Cell Hotspot	2	5	2	43.337502	88.3971024	45.0595818	16	Critical	IEC 2	L1	919	72.93580077	27.89991355
521	Single Cell Hotspot	1	5	2	45.7285	71.9660034	26.237442	15	Critical	IEC 2	L5	919	72.93570481	27.89997408
522	Single Cell Hotspot	1	5	2	44.9786	65.4487	20.4700775	15	Moderate	IEC 2	L9	919	72.93574643	27.89997547
523	Single Cell Hotspot	1	5	2	42.724098	64.0615006	21.3373604	16	Critical	IEC 2	L8	919	72.93584005	27.89997713
524	Single Cell Hotspot	6	5	1	43.8451	75.7249985	31.8799591	16	Critical	IEC 2	L7	919	72.93579768	27.90004071
525	Single Cell Hotspot	6	5	1	47.2635	66.4731979	19.2097015	15	Moderate	IEC 2	U7	919	72.93569308	27.90005516
526	Single Cell Hotspot	6	5	1	43.101299	74.8705978	31.7692528	15	Critical	IEC 2	U4	919	72.93566221	27.90005454
527	Single Cell Hotspot	5	5	1	42.254299	74.1024017	31.8481522	15	Critical	IEC 2	L10	919	72.93569304	27.9001003
528	Single Cell Hotspot	5	5	1	42.499802	76.7488022	34.2489395	16	Critical	IEC 2	L7	919	72.93576556	27.90010319
529	Single Cell Hotspot	5	5	1	46.6604	79.0485992	32.3881645	16	Critical	IEC 2	L10	919	72.9357973	27.90010354
530	Single Cell Hotspot	7	5	2	38.743301	82.4047012	43.6613388	13	Critical	IEC 2	U2	914	72.9360751	27.89987398
531	Single Cell Hotspot	7	5	2	40.867599	62.3734016	21.5058136	14	Critical	IEC 2	U1	914	72.93616872	27.89987541
532	Single Cell Hotspot	7	5	2	41.1273	79.131897	38.0045929	14	Critical	IEC 2	U9	914	72.93625192	27.89987686
533	Single Cell Hotspot	7	5	2	39.214001	59.6941986	20.480175	14	Moderate	IEC 2	U8	914	72.93624148	27.89987666
534	Single Cell Hotspot	7	5	2	38.076199	67.6664963	29.5903816	15	Critical	IEC 2	U8	914	72.93634647	27.89987793
535	Single Cell Hotspot	7	5	2	41.5741	59.8658981	18.2918015	16	Moderate	IEC 2	L6	914	72.93642995	27.89986202

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
536	Single Cell Hotspot	7	5	2	37.0509	56.415699	19.3648224	5	Moderate	IEC 2	U2	914	72.93604145	27.89993499
537	Single Cell Hotspot	7	5	2	45.3568	95.7649002	50.4081192	7	Critical	IEC 2	L8	914	72.93631323	27.89992218
538	Single Cell Hotspot	7	5	2	42.3689	67.1766968	24.8077698	11	Critical	IEC 2	L8	914	72.93673048	27.89992973
539	Single Cell Hotspot	7	5	2	39.603901	60.9202004	21.3162842	12	Critical	IEC 2	U4	914	72.93679237	27.8999476
540	Single Cell Hotspot	7	5	2	37.854698	67.4011993	29.5464554	12	Critical	IEC 2	U5	914	72.93680301	27.89994776
541	Single Cell Hotspot	6	5	2	47.088001	66.9263992	19.8384438	16	Moderate	IEC 2	L9	914	72.93681335	27.89999633
542	Single Cell Hotspot	7	5	2	44.136902	67.6894989	23.5525894	3	Critical	IEC 2	L7	914	72.93627143	27.89998607
543	Single Cell Hotspot	7	5	2	46.111801	73.0053024	26.8934631	3	Critical	IEC 2	L3	914	72.9362297	27.89998577
544	Single Cell Hotspot	7	5	2	46.496101	77.1809006	30.6847572	2	Critical	IEC 2	L8	914	72.93617708	27.89998328
545	Single Cell Hotspot	7	5	2	42.738499	79.1692963	36.4307289	2	Critical	IEC 2	L4	914	72.93613524	27.89998331
546	Single Cell Hotspot	7	5	2	36.951599	57.5685997	20.6169968	1	Moderate	IEC 2	L1	914	72.93600017	27.89998147
547	Single Cell Hotspot	6	5	2	44.517101	61.6833992	17.1663322	5	Moderate	IEC 2	L5	914	72.93600991	27.90004331
548	Single Cell Hotspot	6	5	2	43.803398	94.8534012	51.0499687	5	Critical	IEC 2	L10	914	72.93606177	27.90004427
549	Single Cell Hotspot	6	5	2	41.9757	83.8068008	41.8310623	7	Critical	IEC 2	L9	914	72.93626029	27.90004752
550	Single Cell Hotspot	6	5	2	42.695702	65.9553986	23.259716	8	Critical	IEC 2	U2	914	72.93629095	27.90006565
551	Single Cell Hotspot	6	5	2	47.0872	71.9336014	24.8464699	8	Critical	IEC 2	L7	914	72.93634345	27.90004992
552	Single Cell Hotspot	6	5	2	41.943501	67.3923035	25.4487152	8	Critical	IEC 2	U10	914	72.93637407	27.90006756
553	Single Cell Hotspot	6	5	2	43.585499	67.4027023	23.8172531	10	Critical	IEC 2	U10	914	72.93658253	27.90007129
554	Single Cell Hotspot	6	5	2	44.692501	66.5354004	21.8428955	12	Critical	IEC 2	L2	914	72.93670882	27.90005701
555	Single Cell Hotspot	6	5	2	40.790401	71.4766007	30.6861992	12	Critical	IEC 2	U7	914	72.93675968	27.90007569
556	Single Cell Hotspot	5	5	2	45.452999	84.2557983	38.8028183	8	Critical	IEC 2	L2	914	72.93636312	27.90011327
557	Single Cell Hotspot	6	5	2	47.171398	68.0177994	20.8463364	3	Moderate	IEC 2	U9	914	72.93622732	27.90012609
558	Single Cell Hotspot	6	5	2	45.675499	71.2033997	25.527916	3	Critical	IEC 2	L4	914	72.93617566	27.90010991
559	Single Cell Hotspot	6	5	2	44.874298	68.8332977	23.9589806	2	Critical	IEC 2	L8	914	72.93611227	27.90010882
560	Single Cell Hotspot	6	5	2	41.571899	63.6323013	22.0604324	1	Critical	IEC 2	U9	914	72.9360186	27.90012382
561	Single Cell Hotspot	6	5	2	39.946899	54.0397987	14.0929146	1	Moderate	IEC 2	U3	914	72.93595629	27.90012251
562	Single Cell Hotspot	5	5	2	47.043499	84.4506989	37.4072495	6	Critical	IEC 2	L9	914	72.9366125	27.90018026
563	Single Cell Hotspot	5	5	2	42.758598	93.4143982	50.6557503	1	Critical	IEC 2	L9	914	72.93647541	27.90024159
564	Single Cell Hotspot	7	5	1	44.055401	61.172699	17.1172905	10	Moderate	IEC 2	L5	914	72.93661027	27.90030709
565	Single Cell Hotspot	4	5	2	42.9133	60.3095017	17.3961716	16	Moderate	IEC 2	L8	914	72.93598302	27.90035945
566	Single Cell Hotspot	4	5	2	41.509899	64.1889038	22.6790352	16	Critical	IEC 2	L5	914	72.93595216	27.90035855
567	Single Cell Hotspot	4	5	2	42.952499	66.0309982	23.0785065	15	Critical	IEC 2	U9	919	72.93588949	27.90037436
568	Single Cell Hotspot	4	5	2	43.0298	65.4424973	22.4127884	15	Critical	IEC 2	L4	919	72.93583773	27.90035686

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
569	Single Cell Hotspot	4	4	2	41.444099	68.1595993	26.7154656	8	Critical	IEC 2	U9	914	72.93596082	27.90043786
570	Single Cell Hotspot	4	5	2	42.067001	64.7587967	22.691803	8	Critical	IEC 2	U10	914	72.93597128	27.90043799
571	Single Cell Hotspot	4	5	2	41.639599	59.6841011	18.044548	9	Moderate	IEC 2	U5	914	72.93602384	27.90043907
572	Single Cell Hotspot	7	4	2	31.698	55.8081017	24.1101036	15	Critical	IEC 2	U1	919	72.9357418	27.90049817
573	Single Cell Hotspot	7	4	2	40.962898	75.3647003	34.4018326	7	Critical	IEC 2	U6	919	72.93576212	27.90056008
574	Single Cell Hotspot	4	4	2	40.981998	60.395401	19.4134216	1	Moderate	IEC 2	U4	914	72.93598149	27.9005014
575	Single Cell Hotspot	4	4	2	42.7085	55.780201	13.0717239	1	Moderate	IEC 2	U5	914	72.93599207	27.90050163
576	Single Cell Hotspot	4	4	2	44.812	59.2366982	14.4247208	1	Moderate	IEC 2	L3	914	72.9359717	27.90048402
577	Single Cell Hotspot	4	5	2	42.7626	66.1123962	23.3497505	13	Critical	IEC 2	L3	914	72.93642056	27.90043098
578	Single Cell Hotspot	4	5	2	43.5634	82.2298966	38.6665077	11	Critical	IEC 2	L8	914	72.93626395	27.90042751
579	Single Cell Hotspot	4	4	2	44.175301	75.7739029	31.5986519	4	Critical	IEC 2	L1	914	72.93626336	27.90049054
580	Single Cell Hotspot	4	4	2	45.418499	70.5559998	25.1374664	5	Critical	IEC 2	L10	914	72.93646173	27.90049439
581	Single Cell Hotspot	7	4	2	47.969502	69.0008011	21.0312882	5	Moderate	IEC 2	L7	914	72.93615737	27.90061468
583	Single Cell Hotspot	7	4	2	43.567501	63.4884987	19.9210014	4	Moderate	IEC 2	U7	914	72.93605233	27.90062947
584	Single Cell Hotspot	6	4	2	47.173302	75.9947968	28.8215141	10	Critical	IEC 2	L3	914	72.93632463	27.90061765
585	Single Cell Hotspot	6	4	2	45.754501	60.8694	15.1149063	11	Moderate	IEC 2	L7	914	72.93646996	27.90061964
586	Single Cell Hotspot	6	4	2	43.354698	60.6957016	17.3410034	2	Moderate	IEC 2	L4	919	72.93567643	27.90067249
587	Single Cell Hotspot	6	4	2	46.612598	56.7913017	10.1787529	2	Moderate	IEC 2	L8	919	72.93571817	27.90067267
588	Single Cell Hotspot	6	4	2	42.951401	56.1184006	13.1669998	4	Moderate	IEC 2	U6	919	72.93590582	27.90069225
589	Single Cell Hotspot	7	4	1	46.303101	66.9869003	20.6837387	11	Moderate	IEC 2	L1	914	72.93634279	27.90074349
590	Single Cell Hotspot	7	4	1	38.439899	68.2500992	29.8101807	10	Critical	IEC 2	L5	914	72.93628053	27.90074224
591	Single Cell Hotspot	6	4	2	43.830002	81.4713974	37.6414032	1	Critical	IEC 2	L3	914	72.93605086	27.9007381
592	Single Cell Hotspot	7	4	1	29.899599	89.7898026	59.8901901	5	Critical	IEC 2	U1	914	72.93599803	27.90081836
593	Single Cell Hotspot	7	4	1	43.218498	77.0958023	33.8772812	5	Critical	IEC 2	U7	914	72.9360605	27.90081906
594	Single Cell Hotspot	7	4	1	41.169201	57.5629997	16.3937607	5	Moderate	IEC 2	U6	914	72.93605012	27.90081885
595	Single Cell Hotspot	7	4	1	43.228901	73.5990982	30.3701592	7	Critical	IEC 2	U7	914	72.93626915	27.90082308
596	Single Cell Hotspot	7	4	1	45.825699	89.7421036	43.9163551	8	Critical	IEC 2	U3	914	72.93633174	27.90082376
597	Single Cell Hotspot	7	4	1	45.352699	67.9151001	22.562439	3	Critical	IEC 2	U5	914	72.93621608	27.90088382
598	Single Cell Hotspot	7	4	1	43.630699	77.0538025	33.4231072	2	Critical	IEC 2	L2	914	72.93608064	27.90086453
599	Single Cell Hotspot	7	4	1	37.947102	80.7137985	42.7667046	1	Critical	IEC 2	U4	914	72.93599703	27.90087957
600	Single Cell Hotspot	5	4	2	42.877499	77.6622009	34.7847214	12	Critical	IEC 2	U4	919	72.93586025	27.90094099
601	Single Cell Hotspot	5	4	2	40.448101	58.4291992	17.9810371	13	Moderate	IEC 2	U8	914	72.93600632	27.90094345
602	Single Cell Hotspot	5	4	2	41.6278	57.0788994	15.4510956	13	Moderate	IEC 2	L8	914	72.93600674	27.90092637

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
603	Single Cell Hotspot	5	4	2	46.275002	67.1222	20.8472061	16	Moderate	IEC 2	U6	914	72.93629834	27.90094972
604	Single Cell Hotspot	5	4	2	42.247898	55.2229996	12.9750862	1	Moderate	IEC 2	L10	919	72.935578	27.90098626
605	Single Cell Hotspot	6	3	2	45.4898	61.3345985	15.8447304	16	Moderate	IEC 2	L9	914	72.93623332	27.90112258
606	Single Cell Hotspot	6	3	2	45.865799	62.7579002	16.8920746	15	Moderate	IEC 2	L8	914	72.936119	27.90112044
607	Single Cell Hotspot	6	3	2	45.304199	66.5220032	21.217804	14	Critical	IEC 2	U7	919	72.93600337	27.90113483
609	Single Cell Hotspot	6	3	2	41.843498	61.4995003	19.655983	13	Moderate	IEC 2	L6	919	72.93588915	27.90111608
610	Single Cell Hotspot	6	3	2	42.677898	65.8705978	23.1926918	9	Critical	IEC 2	U6	919	72.93585759	27.90119412
611	Single Cell Hotspot	6	3	2	43.623299	63.3451004	19.7218056	10	Moderate	IEC 2	L6	919	72.93596179	27.90117915
612	Single Cell Hotspot	6	3	2	42.825298	71.1197968	28.2944298	10	Critical	IEC 2	L9	919	72.9359932	27.90117975
613	Single Cell Hotspot	6	3	2	47.301498	90.6296005	43.3280678	12	Critical	IEC 2	L4	914	72.93615014	27.90118285
614	Single Cell Hotspot	6	3	2	37.922298	67.0840988	29.1617889	6	Critical	IEC 2	U2	919	72.93588744	27.90125928
615	Single Cell Hotspot	6	3	2	41.433601	63.5237007	22.090107	5	Critical	IEC 2	U5	919	72.93581472	27.90125819
616	Single Cell Hotspot	6	3	2	41.236401	73.4636002	32.227211	5	Critical	IEC 2	L6	919	72.93582562	27.90124181
617	Single Cell Hotspot	7	3	2	39.618401	64.2559967	24.6376534	8	Critical	IEC 2	U2	939	72.93533447	27.90131372
618	Single Cell Hotspot	7	3	2	41.629902	70.0904007	28.4605103	9	Critical	IEC 2	U6	939	72.93547984	27.90131632
619	Single Cell Hotspot	7	3	2	37.9119	60.5036011	22.5916443	10	Critical	IEC 2	U1	919	72.93553219	27.90131742
620	Single Cell Hotspot	7	3	2	43.34	62.1964989	18.8564339	10	Moderate	IEC 2	U2	919	72.93554282	27.9013175
621	Single Cell Hotspot	7	3	2	40.719799	67.3227005	26.6028519	11	Critical	IEC 2	L3	919	72.93565766	27.901303
622	Single Cell Hotspot	6	3	2	44.514099	62.5172005	18.0031014	1	Moderate	IEC 2	L10	919	72.93583513	27.90130537
623	Single Cell Hotspot	6	3	2	43.843399	61.0470009	17.2036476	2	Moderate	IEC 2	L4	919	72.93587655	27.90130637
624	Single Cell Hotspot	6	3	2	41.541401	63.6169014	22.0755119	3	Critical	IEC 2	L6	919	72.93600198	27.90130833
625	Single Cell Hotspot	6	3	2	43.698002	65.0077972	21.3098488	4	Critical	IEC 2	L1	919	72.93605408	27.90130871
626	Single Cell Hotspot	6	3	2	43.167702	62.8092995	19.6416054	4	Moderate	IEC 2	L10	914	72.93614787	27.90131049
628	Single Cell Hotspot	7	3	2	43.672199	62.1099014	18.437645	4	Moderate	IEC 2	L2	919	72.93571949	27.90136462
629	Single Cell Hotspot	7	3	2	44.908798	63.7610016	18.8521919	3	Moderate	IEC 2	U4	919	72.93563504	27.90138139
630	Single Cell Hotspot	7	3	2	39.809898	61.2709999	21.4610443	2	Critical	IEC 2	U5	919	72.93554171	27.9013787
631	Single Cell Hotspot	7	3	1	40.469898	74.2109985	33.7410355	11	Critical	IEC 2	L2	939	72.9353028	27.90135724
632	Single Cell Hotspot	7	3	1	45.411301	58.6455994	13.2343254	4	Moderate	IEC 2	L7	939	72.93542599	27.90142488
633	Single Cell Hotspot	7	3	1	44.567501	61.3186989	16.7512741	5	Moderate	IEC 2	L3	939	72.93548948	27.90142482
634	Single Cell Hotspot	7	3	1	46.217899	75.1569977	28.9390602	5	Critical	IEC 2	U7	919	72.93553024	27.90144256
635	Single Cell Hotspot	7	3	1	42.3671	56.6731987	14.3061638	5	Moderate	IEC 2	U9	919	72.93555113	27.90144334
636	Single Cell Hotspot	7	3	1	44.436298	60.8759003	16.4396515	5	Moderate	IEC 2	U10	919	72.93556147	27.90144347
637	Single Cell Hotspot	7	3	1	44.080898	60.7905006	16.7095184	5	Moderate	IEC 2	L10	919	72.93556186	27.9014266

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
638	Single Cell Hotspot	7	3	1	47.065899	69.0529022	21.9869728	7	Critical	IEC 2	L8	919	72.93574969	27.90142956
639	Single Cell Hotspot	7	3	1	45.865299	61.8069992	15.9417152	8	Moderate	IEC 2	L10	919	72.93587382	27.90143317
640	Single Cell Hotspot	7	3	1	43.164101	73.3728027	30.2087097	10	Critical	IEC 2	U4	919	72.93601966	27.90145329
641	Single Cell Hotspot	7	3	1	47.666599	62.5592995	14.8927612	2	Moderate	IEC 2	L9	919	72.93603989	27.90149743
642	Single Cell Hotspot	7	3	1	43.952702	64.3535004	20.4008827	1	Moderate	IEC 2	U9	919	72.93593573	27.90151313
643	Single Cell Hotspot	7	3	1	40.742001	60.1417999	19.3997994	1	Moderate	IEC 2	U7	919	72.93591509	27.90151296
644	Single Cell Hotspot	5	3	2	40.280399	78.0712967	37.7909012	16	Critical	IEC 2	U4	919	72.93577939	27.90151119
645	Single Cell Hotspot	5	3	2	45.810398	73.2469025	27.4364777	15	Critical	IEC 2	L10	919	72.93573815	27.90149335
646	Single Cell Hotspot	5	3	2	45.701	68.6575012	22.9564476	11	Critical	IEC 2	L8	939	72.93529995	27.90148685
647	Single Cell Hotspot	5	3	2	45.6166	59.3446999	13.728035	6	Moderate	IEC 2	L9	919	72.93559089	27.90155403
648	Single Cell Hotspot	5	3	2	45.711601	59.8740006	14.1623764	8	Moderate	IEC 2	L1	919	72.93571646	27.90155589
650	Single Cell Hotspot	5	3	2	44.291401	86.4208984	42.1295013	9	Critical	IEC 2	L6	919	72.93587305	27.90155821
651	Single Cell Hotspot	5	3	2	46.538399	73.3076019	26.7691612	2	Critical	IEC 2	U10	919	72.93609022	27.90164233
652	Single Cell Hotspot	5	3	2	44.1231	61.4487	17.3256531	1	Moderate	IEC 2	L3	919	72.93591337	27.90162261
653	Single Cell Hotspot	4	3	2	45.389999	67.4561997	22.0661469	16	Critical	IEC 2	L10	919	72.9358823	27.90162206
654	Single Cell Hotspot	4	3	2	43.5364	63.7681999	20.2317696	16	Moderate	IEC 2	U4	919	72.93581972	27.90163765
655	Single Cell Hotspot	4	3	2	42.713402	99.3012009	56.5877457	14	Critical	IEC 2	L7	919	72.93564238	27.90161823
656	Single Cell Hotspot	4	3	2	44.202099	74.9172974	30.7151604	12	Critical	IEC 2	U5	919	72.93551694	27.90163119
657	Single Cell Hotspot	4	3	2	43.132801	59.8084984	16.6757546	10	Moderate	IEC 2	U10	939	72.93525626	27.90162918
658	Single Cell Hotspot	4	3	2	45.308601	91.7658997	46.4572792	2	Critical	IEC 2	L6	939	72.93539113	27.90167785
659	Single Cell Hotspot	4	3	2	41.542801	63.9103012	22.367527	3	Critical	IEC 2	U9	919	72.93552661	27.90169428
660	Single Cell Hotspot	4	3	2	41.331001	59.0834007	17.7524643	4	Moderate	IEC 2	U2	919	72.93555852	27.90169834
661	Single Cell Hotspot	4	3	2	45.535599	67.388298	21.8526039	5	Critical	IEC 2	L1	919	72.93565195	27.90168167
662	Single Cell Hotspot	4	3	2	46.041302	62.6579018	16.6165962	6	Moderate	IEC 2	L2	919	72.93576694	27.90168537
663	Single Cell Hotspot	7	2	2	46.576401	69.1576004	22.5812264	10	Critical	IEC 2	U10	919	72.93613025	27.90176944
664	Single Cell Hotspot	7	2	2	49.299999	74.623497	25.3235512	10	Critical	IEC 2	U5	919	72.93607768	27.90176865
665	Single Cell Hotspot	7	2	2	49.9137	67.6876984	17.7740135	10	Moderate	IEC 2	U3	919	72.93605699	27.90176861
666	Single Cell Hotspot	7	2	2	43.599998	59.4367981	15.8367844	9	Moderate	IEC 2	U10	919	72.93602555	27.90176819
667	Single Cell Hotspot	7	2	2	41.893299	72.5768967	30.6835899	9	Critical	IEC 2	U6	919	72.93598428	27.90176742
668	Single Cell Hotspot	7	2	2	48.435101	74.9126968	26.4775696	6	Critical	IEC 2	L10	919	72.93571277	27.90174449
669	Single Cell Hotspot	7	2	2	48.5522	62.0834007	13.5311241	5	Moderate	IEC 2	L8	919	72.93558859	27.90174296
670	Single Cell Hotspot	7	2	2	47.2547	60.4292984	13.1745224	5	Moderate	IEC 2	L6	919	72.93556779	27.9017427
671	Single Cell Hotspot	7	2	2	44.0177	76.6019974	32.5842629	4	Critical	IEC 2	U9	939	72.93549408	27.90175913

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
672	Single Cell Hotspot	7	2	2	45.010799	86.1119995	41.1011963	3	Critical	IEC 2	L10	939	72.93540085	27.90174138
673	Single Cell Hotspot	6	2	2	44.382198	61.0326004	16.6504211	8	Moderate	IEC 2	L5	939	72.93521226	27.90180177
674	Single Cell Hotspot	6	2	2	46.614201	70.8836975	24.269577	10	Critical	IEC 2	U7	939	72.93544155	27.90182147
675	Single Cell Hotspot	6	2	2	44.984299	64.6424027	19.658123	11	Moderate	IEC 2	U6	919	72.93553606	27.90182345
676	Single Cell Hotspot	6	2	2	45.713799	63.6469002	17.9331551	14	Moderate	IEC 2	U2	919	72.93580652	27.90182765
677	Single Cell Hotspot	6	2	2	44.646999	62.3359985	17.6889725	14	Moderate	IEC 2	U5	919	72.93583762	27.90182812
678	Single Cell Hotspot	6	2	2	51.5056	88.9321976	37.4266357	16	Critical	IEC 2	L6	919	72.93605684	27.9018147
679	Single Cell Hotspot	6	2	2	44.610802	70.8307037	26.2199097	6	Critical	IEC 2	U5	919	72.93601422	27.90189378
680	Single Cell Hotspot	6	2	2	45.9953	72.7331009	26.7378273	2	Critical	IEC 2	L7	919	72.93561822	27.90187108
681	Single Cell Hotspot	6	2	2	44.700802	87.3890991	42.6883774	1	Critical	IEC 2	L4	939	72.93548347	27.90186852
682	Single Cell Hotspot	5	2	2	46.7369	80.5848007	33.8479347	16	Critical	IEC 2	L4	939	72.93537834	27.90186741
683	Single Cell Hotspot	5	2	2	46.536201	86.4357987	39.8995857	14	Critical	IEC 2	U5	939	72.93518003	27.90188213
684	Single Cell Hotspot	3	1	1	46.8074	65.0075989	18.2001572	9	Moderate	IEC 2	U2	939	72.9353348	27.90295908
685	Single Cell Hotspot	3	1	1	49.027	79.7988968	30.7719917	9	Critical	IEC 2	L2	939	72.935335	27.90294231
686	Single Cell Hotspot	3	1	1	39.8479	71.4430008	31.5951271	10	Critical	IEC 2	U10	919	72.93552212	27.9029615
687	Single Cell Hotspot	4	1	1	45.206799	65.5363007	20.3294258	4	Moderate	IEC 2	U4	919	72.93549129	27.90289737
688	Single Cell Hotspot	4	1	1	46.0415	64.7242966	18.6828423	14	Moderate	IEC 2	L1	919	72.93549227	27.90281696
689	Single Cell Hotspot	5	1	1	51.4646	66.259697	14.7951126	10	Moderate	IEC 2	U10	919	72.93561689	27.90277339
690	Single Cell Hotspot	5	1	1	48.537899	76.0544968	27.5166359	10	Critical	IEC 2	L8	919	72.93559669	27.90275646
691	Single Cell Hotspot	5	1	1	45.9007	66.663002	20.7622986	9	Moderate	IEC 2	U9	919	72.93550301	27.90277203
692	Single Cell Hotspot	6	1	1	45.727001	61.4076004	15.6806374	14	Moderate	IEC 2	L4	919	72.93561902	27.90262963
693	Single Cell Hotspot	7	1	1	44.6777	58.8889999	14.211277	9	Moderate	IEC 2	L4	919	72.93558076	27.90250274
694	Single Cell Hotspot	7	1	1	44.274899	58.9883995	14.7134628	10	Moderate	IEC 2	L5	919	72.93569472	27.90250407
695	Single Cell Hotspot	7	1	1	44.087799	59.0419006	14.9541016	16	Moderate	IEC 2	U6	919	72.93573645	27.90245877
696	Single Cell Hotspot	6	1	2	43.830799	69.8656006	26.0347443	7	Critical	IEC 2	L6	939	72.93545772	27.90237452
697	Single Cell Hotspot	6	1	2	42.246799	63.0224991	20.7757301	7	Moderate	IEC 2	U6	939	72.93545728	27.90239147
698	Single Cell Hotspot	6	1	2	43.3783	66.3029022	22.9245911	8	Critical	IEC 2	U1	919	72.93550897	27.90239253
699	Single Cell Hotspot	6	1	2	46.527802	63.3959007	16.868103	8	Moderate	IEC 2	L9	919	72.93559232	27.90237756
700	Single Cell Hotspot	7	2	2	45.4072	59.5060005	14.0988541	11	Moderate	IEC 2	U4	919	72.93570856	27.9022681
701	Single Cell Hotspot	4	2	2	45.5951	72.0073013	26.4121475	1	Critical	IEC 2	L5	919	72.93582316	27.90225344
702	Single Cell Hotspot	4	2	2	47.2621	66.7783966	19.5163231	1	Moderate	IEC 2	L6	919	72.9358335	27.90225363
703	Single Cell Hotspot	4	2	2	45.193699	70.0195999	24.8258858	1	Critical	IEC 2	U7	919	72.93584349	27.90227053
704	Single Cell Hotspot	4	2	2	47.5075	67.357399	19.8499107	10	Moderate	IEC 2	L7	919	72.93577095	27.90218916

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
705	Single Cell Hotspot	4	2	2	46.220501	60.7630997	14.5426369	10	Moderate	IEC 2	U7	919	72.93577065	27.90220586
706	Single Cell Hotspot	7	2	1	47.914799	61.0666008	13.1518021	5	Moderate	IEC 2	L1	919	72.93584455	27.90212841
707	Single Cell Hotspot	7	2	1	46.976601	61.7406998	14.7640915	4	Moderate	IEC 2	L9	919	72.93582377	27.90212801
708	Single Cell Hotspot	7	2	1	45.1166	64.8571014	19.7404518	4	Moderate	IEC 2	U9	919	72.9358232	27.90214484
709	Single Cell Hotspot	7	2	1	47.914799	68.4096985	20.4948273	11	Moderate	IEC 2	L5	919	72.93591816	27.9020649
710	Single Cell Hotspot	7	2	1	47.194698	62.3358002	15.1410637	11	Moderate	IEC 2	L7	919	72.93593883	27.90206514
711	Single Cell Hotspot	7	2	1	46.589199	61.8344002	15.245182	10	Moderate	IEC 2	L5	919	72.93581454	27.90206281
712	Single Cell Hotspot	5	2	2	47.479099	67.0406036	19.56147	5	Moderate	IEC 2	U3	919	72.93582554	27.90201794
713	Single Cell Hotspot	5	2	2	47.584099	63.5105019	15.9264145	5	Moderate	IEC 2	L5	919	72.9358465	27.90200158
714	Single Cell Hotspot	5	2	2	46.1814	62.4275017	16.2460442	5	Moderate	IEC 2	U7	919	72.93586696	27.90201839
715	Single Cell Hotspot	5	2	2	46.099701	67.4132004	21.313446	6	Critical	IEC 2	U7	919	72.93597057	27.90201951
716	Single Cell Hotspot	5	2	2	43.9133	66.5963974	22.6830406	12	Critical	IEC 2	U4	919	72.93597164	27.90195539
717	Single Cell Hotspot	5	2	2	43.595798	61.4017983	17.8060722	12	Moderate	IEC 2	U3	919	72.93596106	27.90195526
718	Single Cell Hotspot	5	2	2	45.3111	73.8172989	28.5061493	11	Critical	IEC 2	U9	919	72.93591969	27.90195548
719	Single Cell Hotspot	5	2	2	44.738499	67.0050964	22.2666283	11	Critical	IEC 2	U8	919	72.93590922	27.90195535
720	Single Cell Hotspot	5	2	2	43.688702	74.703598	31.0149345	11	Critical	IEC 2	U3	919	72.93585738	27.9019553
721	Single Cell Hotspot	5	2	2	42.7785	86.129097	43.3506584	10	Critical	IEC 2	U8	919	72.93580427	27.9019534
722	Single Cell Hotspot	5	2	2	42.951099	69.1601028	26.2090797	10	Critical	IEC 2	U3	919	72.93575273	27.90195265
723	Single Cell Hotspot	5	2	2	43.335098	61.6273003	18.2922287	9	Moderate	IEC 2	U10	919	72.93572149	27.90195222
724	Single Cell Hotspot	5	2	2	47.5737	65.4781036	17.9043427	4	Moderate	IEC 2	L1	919	72.93569988	27.90200064
725	Single Cell Hotspot	5	2	2	46.125702	79.0455017	32.9198151	3	Critical	IEC 2	L5	919	72.93563793	27.90199814
726	Single Cell Hotspot	5	2	2	42.914902	83.7043991	40.7895622	3	Critical	IEC 2	U2	919	72.93560738	27.90201546
727	Single Cell Hotspot	5	2	2	46.0061	61.3852005	15.3790321	3	Moderate	IEC 2	L3	919	72.93561723	27.90199818
728	Single Cell Hotspot	7	2	1	47.59	63.4594002	15.8694038	9	Moderate	IEC 2	L10	919	72.93576127	27.9020618
729	Single Cell Hotspot	7	2	1	44.681801	60.8465996	16.1647873	8	Moderate	IEC 2	L7	919	72.93562658	27.90206042
730	Single Cell Hotspot	7	2	1	46.835999	82.4451981	35.6092148	2	Critical	IEC 2	L5	919	72.9355738	27.90212328
731	Single Cell Hotspot	4	2	2	43.4767	79.5009003	36.0241547	9	Critical	IEC 2	U8	919	72.93567628	27.90220513
732	Single Cell Hotspot	4	2	2	45.723099	68.7360001	23.0128861	9	Critical	IEC 2	L7	919	72.93566613	27.90218758
733	Single Cell Hotspot	4	2	2	41.993599	82.7689972	40.775383	9	Critical	IEC 2	U1	919	72.93560356	27.90220377
734	Single Cell Hotspot	4	2	2	46.337101	60.7098999	14.3728523	8	Moderate	IEC 2	U3	919	72.93552067	27.90220239
735	Single Cell Hotspot	7	1	2	44.887901	71.8983002	27.0103912	10	Critical	IEC 2	L5	919	72.93561467	27.90224997
736	Single Cell Hotspot	7	1	2	46.465801	84.9852982	38.5195503	10	Critical	IEC 2	L8	919	72.93564575	27.90224995
737	Single Cell Hotspot	6	1	2	35.317799	70.9858017	35.6680145	15	Critical	IEC 2	U1	939	72.93543687	27.90232825

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
738	Single Cell Hotspot	6	1	2	46.045502	77.1781998	31.1327057	15	Critical	IEC 2	U4	919	72.93546826	27.90232855
739	Single Cell Hotspot	6	1	2	46.550499	89.7154007	43.1648674	16	Critical	IEC 2	U3	919	72.93556158	27.90232933
740	Single Cell Hotspot	7	1	1	41.3619	79.1304016	37.768467	13	Critical	IEC 2	U5	939	72.93541378	27.90245245
741	Single Cell Hotspot	7	1	1	47.040298	69.8226013	22.7823257	13	Critical	IEC 2	L7	939	72.93543515	27.90243676
742	Single Cell Hotspot	7	1	1	43.9687	59.5281982	15.5595131	13	Moderate	IEC 2	U8	939	72.9354448	27.90245389
743	Single Cell Hotspot	7	1	1	43.584099	74.302803	30.7186928	8	Critical	IEC 2	U4	919	72.93547535	27.90251728
744	Single Cell Hotspot	7	1	1	47.103901	68.1656036	21.0617905	7	Critical	IEC 2	L6	939	72.93539233	27.90250005
745	Single Cell Hotspot	6	1	1	43.3339	66.2357025	22.9017906	11	Critical	IEC 2	L10	939	72.93536896	27.90262731
746	Single Cell Hotspot	5	1	1	47.661098	88.0649033	40.4037857	8	Critical	IEC 2	U10	939	72.93540808	27.90277014
747	Single Cell Hotspot	5	1	1	46.500099	70.1905975	23.6904678	7	Critical	IEC 2	U4	939	72.93524232	27.90276819
748	Single Cell Hotspot	4	1	1	46.454601	83.4019013	36.9472885	12	Critical	IEC 2	U10	939	72.93537646	27.90283251
749	Single Cell Hotspot	4	1	1	46.4426	64.2067032	17.7640533	12	Moderate	IEC 2	U9	939	72.93536571	27.90283243
750	Single Cell Hotspot	3	1	1	48.166	63.8527985	15.6867905	8	Moderate	IEC 2	L7	939	72.93528174	27.90294129
751	Single Cell Hotspot	3	1	1	42.838799	60.4625015	17.623764	7	Moderate	IEC 2	U3	939	72.93513631	27.90295647
752	Single Cell Hotspot	3	1	1	44.8992	58.0704002	13.1711121	7	Moderate	IEC 2	L8	939	72.93518837	27.90294017
753	Single Cell Hotspot	3	1	1	40.567299	72.8479996	32.2806587	7	Critical	IEC 2	L1	939	72.93511548	27.90293895
754	Single Cell Hotspot	3	1	1	47.0476	72.3350983	25.2874527	6	Critical	IEC 2	L3	939	72.93503169	27.90293735
755	Single Cell Hotspot	3	1	1	46.155998	60.6652985	14.5093041	6	Moderate	IEC 2	L1	939	72.93501079	27.90293705
756	Single Cell Hotspot	3	1	1	42.658501	60.1996002	17.5410957	5	Moderate	IEC 2	U8	939	72.93497953	27.90295313
758	Single Cell Hotspot	3	1	1	43.7929	58.4081001	14.6151733	4	Moderate	IEC 2	L4	909	72.93483307	27.90293343
759	Single Cell Hotspot	3	1	1	46.203899	63.0121994	16.8083038	4	Moderate	IEC 2	L1	909	72.93480219	27.90293269
760	Single Cell Hotspot	3	1	1	38.640701	81.8964996	43.2558022	3	Critical	IEC 2	L1	909	72.93469797	27.90292989
761	Single Cell Hotspot	3	1	1	46.4058	79.1838989	32.7781067	2	Critical	IEC 2	L9	909	72.93467634	27.90293289
762	Single Cell Hotspot	3	1	1	45.852299	89.2807999	43.4285049	2	Critical	IEC 2	U3	909	72.93461349	27.9029476
763	Single Cell Hotspot	3	1	1	42.537498	63.4636993	20.9261322	1	Moderate	IEC 2	U7	909	72.93455132	27.90294564
764	Single Cell Hotspot	3	1	1	42.3899	68.3881989	25.99823	11	Critical	IEC 2	L4	909	72.93455215	27.90286854
765	Single Cell Hotspot	3	1	1	45.754902	64.9813995	19.2265205	11	Moderate	IEC 2	U9	909	72.93460442	27.90288489
766	Single Cell Hotspot	3	1	1	46.095001	62.7369995	16.6419792	12	Moderate	IEC 2	U10	909	72.93471852	27.90288491
767	Single Cell Hotspot	3	1	1	43.025902	66.637497	23.6115952	15	Critical	IEC 2	U4	939	72.93496982	27.9028917
768	Single Cell Hotspot	4	1	1	46.1632	62.233799	16.0705528	1	Moderate	IEC 2	L4	939	72.93517858	27.9028765
769	Single Cell Hotspot	4	1	1	48.410099	79.3219986	30.911911	9	Critical	IEC 2	L9	939	72.93505365	27.90281193
770	Single Cell Hotspot	5	1	1	47.643101	64.5534973	16.9103775	6	Moderate	IEC 2	L9	939	72.93518919	27.90274986
771	Single Cell Hotspot	5	1	1	47.0872	62.9976997	15.9105072	6	Moderate	IEC 2	U8	939	72.93517872	27.90276617

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
772	Single Cell Hotspot	5	1	1	45.736401	69.2446976	23.5083046	4	Critical	IEC 2	U6	909	72.93494936	27.90276399
773	Single Cell Hotspot	5	1	1	44.835499	70.3142014	25.4786568	3	Critical	IEC 2	U5	909	72.9348352	27.90276267
774	Single Cell Hotspot	5	1	1	49.989498	67.653801	17.6642876	3	Moderate	IEC 2	L2	909	72.93480413	27.90274535
775	Single Cell Hotspot	5	1	1	44.6143	82.1480026	37.5337067	1	Critical	IEC 2	L7	909	72.93464714	27.90274234
776	Single Cell Hotspot	5	1	1	42.712898	92.4741974	49.7612724	1	Critical	IEC 2	L4	909	72.93461626	27.9027427
777	Single Cell Hotspot	5	1	1	47.310699	79.2805023	31.9697533	11	Critical	IEC 2	L9	909	72.93469959	27.90267938
778	Single Cell Hotspot	5	1	1	42.728802	62.8903008	20.1615372	11	Moderate	IEC 2	U10	909	72.93470977	27.90269664
779	Single Cell Hotspot	5	1	1	46.099201	74.4848023	28.3855972	12	Critical	IEC 2	L2	909	72.93473091	27.90268024
780	Single Cell Hotspot	5	1	1	46.290699	70.3022995	24.0115356	13	Critical	IEC 2	L10	909	72.93491913	27.90268261
781	Single Cell Hotspot	5	1	1	46.793201	63.3040009	16.5108185	14	Moderate	IEC 2	U2	909	72.93493944	27.90269989
782	Single Cell Hotspot	5	1	1	46.411098	66.2734985	19.8624001	16	Moderate	IEC 2	U3	939	72.93515874	27.90270301
783	Single Cell Hotspot	6	1	1	42.827	94.8076019	51.9805946	10	Critical	IEC 2	U2	939	72.93518016	27.90263978
784	Single Cell Hotspot	6	1	1	43.458801	65.0363998	21.5776024	9	Critical	IEC 2	U8	939	72.9351386	27.90263855
785	Single Cell Hotspot	7	1	1	45.439201	91.536499	46.0972862	2	Critical	IEC 2	U4	939	72.93523545	27.90257742
786	Single Cell Hotspot	7	1	1	45.574902	61.3414002	15.7665253	2	Moderate	IEC 2	U5	939	72.93524574	27.90257757
787	Single Cell Hotspot	7	1	1	44.621201	62.0956993	17.4745216	2	Moderate	IEC 2	L5	939	72.93524604	27.90256084
788	Single Cell Hotspot	7	1	1	40.7836	65.6692963	24.8857384	5	Critical	IEC 2	L1	939	72.93513214	27.90249655
789	Single Cell Hotspot	7	1	1	45.8764	62.7649002	16.8885498	12	Moderate	IEC 2	U1	939	72.93526751	27.90245095
790	Single Cell Hotspot	7	1	1	47.433498	67.861702	20.4281998	11	Moderate	IEC 2	L6	939	72.9352155	27.90243376
791	Single Cell Hotspot	6	1	2	45.492199	80.865799	35.3736382	5	Critical	IEC 2	U9	939	72.93527933	27.90238794
792	Single Cell Hotspot	6	1	2	44.224602	68.2070007	23.9823799	4	Critical	IEC 2	U8	939	72.93516385	27.90238778
793	Single Cell Hotspot	6	1	2	50.650902	66.2026978	15.5517578	1	Moderate	IEC 2	L8	909	72.93485199	27.90236472
794	Single Cell Hotspot	6	1	2	48.908699	59.9253006	11.016571	2	Moderate	IEC 2	L3	909	72.93490371	27.90236527
795	Single Cell Hotspot	6	1	2	47.871101	58.7160988	10.8449898	3	Moderate	IEC 2	L5	939	72.9350295	27.90236772
796	Single Cell Hotspot	6	1	2	48.344299	82.3654022	34.0210762	11	Critical	IEC 2	U4	939	72.9350505	27.90232219
797	Single Cell Hotspot	6	1	2	46.1716	95.8851013	49.7134705	12	Critical	IEC 2	U6	939	72.93517506	27.90232435
798	Single Cell Hotspot	6	1	2	47.128201	91.6681976	44.5400009	12	Critical	IEC 2	U7	939	72.93518522	27.9023245
799	Single Cell Hotspot	6	1	2	48.082298	67.2931976	19.2109146	12	Moderate	IEC 2	L6	939	72.93517542	27.90230802
800	Single Cell Hotspot	6	1	2	45.950401	70.2694016	24.3189888	6	Critical	IEC 2	L9	939	72.93538354	27.90237292
801	Single Cell Hotspot	5	2	2	45.5495	80.2194977	34.6700401	7	Critical	IEC 2	L10	919	72.93551321	27.9019333
802	Single Cell Hotspot	5	2	2	43.275501	73.5967026	30.3211861	2	Critical	IEC 2	U4	919	72.93552292	27.9020117
803	Single Cell Hotspot	5	2	2	43.091999	65.6939011	22.6018562	1	Critical	IEC 2	L4	939	72.93541933	27.90199518
804	Single Cell Hotspot	5	2	2	41.999199	63.823101	21.8239174	1	Critical	IEC 2	U2	939	72.93539872	27.90201206

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
805	Single Cell Hotspot	7	2	1	41.3522	63.8605003	22.5083084	6	Critical	IEC 2	U4	939	72.93538695	27.90207463
806	Single Cell Hotspot	7	2	1	44.9632	61.8139992	16.8508034	6	Moderate	IEC 2	L6	939	72.9354074	27.9020576
808	Single Cell Hotspot	7	2	1	43.2878	59.0281982	15.7404137	7	Moderate	IEC 2	U1	939	72.9354593	27.90207435
809	Single Cell Hotspot	7	2	1	46.5191	65.8183975	19.2993431	7	Moderate	IEC 2	L6	919	72.93551128	27.90205792
810	Single Cell Hotspot	7	2	1	43.761299	69.5428009	25.7815666	7	Critical	IEC 2	U8	919	72.93553201	27.90207482
811	Single Cell Hotspot	7	2	1	44.1106	67.0723038	22.961647	1	Critical	IEC 2	U1	939	72.93542693	27.90213773
812	Single Cell Hotspot	4	2	2	47.9963	86.8270035	38.8307114	13	Critical	IEC 2	L8	939	72.93508229	27.90211673
813	Single Cell Hotspot	4	2	2	45.486099	92.4941025	47.0080452	13	Critical	IEC 2	L2	939	72.93502009	27.90211642
814	Single Cell Hotspot	4	2	2	45.649502	74.4160004	28.76651	12	Critical	IEC 2	U10	909	72.93499928	27.90213315
815	Single Cell Hotspot	4	2	2	36.3503	78.1595001	41.8092194	12	Critical	IEC 2	L1	909	72.93490566	27.9021145
816	Single Cell Hotspot	4	2	2	46.052799	90.9945984	44.9418221	3	Critical	IEC 2	L2	909	72.93498818	27.90217831
817	Single Cell Hotspot	4	2	2	45.450298	65.1548996	19.7046089	3	Moderate	IEC 2	U2	909	72.93498772	27.90219511
818	Single Cell Hotspot	4	2	2	43.382401	77.4412003	34.0588646	5	Critical	IEC 2	U2	939	72.93519676	27.90219721
819	Single Cell Hotspot	4	2	2	44.519299	71.7442017	27.2248459	5	Critical	IEC 2	U6	939	72.93523807	27.90219842
820	Single Cell Hotspot	4	2	2	46.273102	87.7132034	41.4400749	6	Critical	IEC 2	L2	939	72.9353022	27.90218217
821	Single Cell Hotspot	7	1	2	44.931499	61.8630981	16.9316864	6	Moderate	IEC 2	L7	939	72.93521766	27.90224388
822	Single Cell Hotspot	7	1	2	47.4338	69.5901032	22.156292	4	Critical	IEC 2	L8	939	72.93501908	27.90224076
823	Single Cell Hotspot	6	1	1	46.432098	95.2529984	48.8208809	5	Critical	IEC 2	U6	909	72.93470035	27.90263192
824	Single Cell Hotspot	6	1	1	45.424099	94.7587967	49.3346825	5	Critical	IEC 2	U9	909	72.93473188	27.90263234
826	Single Cell Hotspot	1	1	1	43.262001	58.712101	15.4500275	5	Moderate	IEC 2	L9	902	72.93391459	27.90273042
827	Single Cell Hotspot	1	1	1	42.414398	51.0344009	8.62000656	1	Minor	IEC 2	U4	902	72.9340395	27.90281028
828	Single Cell Hotspot	1	1	1	47.8008	56.4903984	8.68957138	2	Minor	IEC 2	L5	902	72.93415379	27.90279659
829	Single Cell Hotspot	2	1	2	40.717701	58.737999	18.0203552	2	Moderate	IEC 2	L10	902	72.93346747	27.90259964
830	Single Cell Hotspot	2	1	1	46.099201	60.0494995	13.9502411	9	Moderate	IEC 2	U8	902	72.93375961	27.90261774
831	Single Cell Hotspot	2	1	1	44.642399	59.1930008	14.5506401	12	Moderate	IEC 2	L6	902	72.93405162	27.90260681
832	Single Cell Hotspot	3	1	2	44.303001	62.2350998	17.9320412	14	Moderate	IEC 2	U4	902	72.93436658	27.90237505
833	Single Cell Hotspot	3	1	2	42.397598	61.1137009	18.7160263	14	Moderate	IEC 2	U7	902	72.93439783	27.90237581
834	Single Cell Hotspot	4	1	2	42.648998	60.3806992	17.7316628	15	Moderate	IEC 2	L10	909	72.93456638	27.9022961
835	Single Cell Hotspot	2	1	2	48.694401	63.5491982	14.8547974	4	Moderate	IEC 2	L9	902	72.93334364	27.90240586
836	Single Cell Hotspot	2	1	2	49.0439	67.7708969	18.7270508	9	Moderate	IEC 2	L2	902	72.9337936	27.90241352
837	Single Cell Hotspot	3	1	2	44.014599	58.4356003	14.4209938	16	Moderate	IEC 2	U9	909	72.93462727	27.90237915
838	Single Cell Hotspot	3	1	2	42.966599	59.4921989	16.5256119	8	Moderate	IEC 2	U2	902	72.93371981	27.90236628
839	Single Cell Hotspot	3	1	2	43.358501	60.033001	16.6745148	8	Moderate	IEC 2	U3	902	72.93373062	27.90236647

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
840	Single Cell Hotspot	3	1	2	42.1199	62.6358986	20.5159874	3	Moderate	IEC 2	U9	902	72.93327161	27.9023599
841	Single Cell Hotspot	3	1	2	45.3549	57.4882011	12.1332283	1	Moderate	IEC 2	U7	902	72.93304206	27.90235656
842	Single Cell Hotspot	1	2	1	38.1651	62.3151016	24.1499558	4	Critical	IEC 2	U2	902	72.9333987	27.90217248
843	Single Cell Hotspot	1	2	1	47.966301	58.9413986	10.9751129	12	Moderate	IEC 2	U7	902	72.93428544	27.90218583
844	Single Cell Hotspot	2	2	1	48.647999	60.1669998	11.5190125	16	Moderate	IEC 2	L10	909	72.93476578	27.90211214
845	Single Cell Hotspot	3	2	1	42.5975	62.3084984	19.7110252	4	Moderate	IEC 2	U2	902	72.93346217	27.90204581
846	Single Cell Hotspot	3	2	1	42.843601	60.9309998	18.0874405	4	Moderate	IEC 2	U8	902	72.93352406	27.90204701
847	Single Cell Hotspot	3	2	1	45.0508	62.7612991	17.7105217	5	Moderate	IEC 2	L2	902	72.93356742	27.90203069
848	Single Cell Hotspot	2	1	2	48.3438	62.8179016	14.4740791	7	Moderate	IEC 2	L9	902	72.93365759	27.90241223
849	Single Cell Hotspot	2	1	2	44.097801	65.4725037	21.3746796	8	Critical	IEC 2	U2	902	72.93368908	27.90242913
850	Single Cell Hotspot	2	1	2	45.990799	65.1179962	19.1272125	8	Moderate	IEC 2	U5	902	72.93371972	27.90243006
851	Single Cell Hotspot	4	2	1	44.634399	60.3504982	15.7161255	5	Moderate	IEC 2	U6	902	72.93364144	27.90198606
852	Single Cell Hotspot	4	2	1	46.804501	61.7332001	14.928669	5	Moderate	IEC 2	U9	902	72.93367255	27.90198653
853	Single Cell Hotspot	4	2	1	35.070202	57.7533989	22.6832886	13	Critical	IEC 2	U4	902	72.93445471	27.90199837
854	Single Cell Hotspot	4	2	1	40.169102	56.3003998	16.131218	14	Moderate	IEC 2	L6	909	72.93458038	27.90198326
855	Single Cell Hotspot	6	2	1	45.032501	56.6525993	11.6201363	1	Moderate	IEC 2	L6	902	72.93328772	27.90183592
856	Single Cell Hotspot	6	2	1	48.083	63.0036011	14.9205856	5	Moderate	IEC 2	L4	902	72.93368414	27.90184275
857	Single Cell Hotspot	6	2	1	41.610802	62.8102989	21.1994782	7	Critical	IEC 2	U9	902	72.93394452	27.901864
858	Single Cell Hotspot	6	2	1	40.5882	61.6397018	21.0514984	8	Critical	IEC 2	U1	902	72.93396538	27.9018641
859	Single Cell Hotspot	6	2	1	44.073002	57.5479012	13.4748802	11	Moderate	IEC 2	U8	902	72.93435191	27.90186982
860	Single Cell Hotspot	6	2	1	46.498402	60.7521019	14.253624	11	Moderate	IEC 2	L4	902	72.93431021	27.90185202
861	Single Cell Hotspot	6	2	1	41.036999	59.0163994	17.9793625	14	Moderate	IEC 2	U8	909	72.9346649	27.9018739
862	Single Cell Hotspot	6	2	1	45.566898	61.2355995	15.6686859	16	Moderate	IEC 2	L9	909	72.93488369	27.9018604
863	Single Cell Hotspot	1	2	2	45.893002	58.0806999	12.1877213	12	Moderate	IEC 2	L2	902	72.93442589	27.90178923
864	Single Cell Hotspot	1	2	2	47.0774	59.0811997	12.0038681	12	Moderate	IEC 2	L6	902	72.93446759	27.90179061
865	Single Cell Hotspot	3	2	2	42.119099	55.9626999	13.843586	15	Moderate	IEC 2	U5	909	72.9348363	27.90168521
866	Single Cell Hotspot	3	2	2	43.669998	56.0127983	12.3427506	11	Moderate	IEC 2	U10	902	72.93447045	27.90167911
867	Single Cell Hotspot	3	2	2	48.2579	58.911499	10.6535721	11	Moderate	IEC 2	L5	902	72.93441858	27.90166105
868	Single Cell Hotspot	3	2	2	44.2533	59.7482987	15.4949799	4	Moderate	IEC 2	U10	902	72.9337387	27.90166996
869	Single Cell Hotspot	1	3	1	39.116402	61.9627991	22.8463593	6	Critical	IEC 2	U8	902	72.93395868	27.90160941
870	Single Cell Hotspot	1	3	1	41.9869	57.4496994	15.4628029	7	Moderate	IEC 2	U10	902	72.93408428	27.90161022
871	Single Cell Hotspot	1	3	1	44.776798	57.1571999	12.3804207	11	Moderate	IEC 2	U2	902	72.93441925	27.90161628
872	Single Cell Hotspot	1	3	1	45.763599	60.4020004	14.6383934	14	Moderate	IEC 2	U6	909	72.93477306	27.90162252

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
873	Single Cell Hotspot	1	3	1	49.650398	59.0228996	9.37254334	14	Minor	IEC 2	L6	909	72.93477342	27.90160521
874	Single Cell Hotspot	2	3	1	49.385899	61.2179985	11.8321266	15	Moderate	IEC 2	L5	909	72.93490032	27.90154432
875	Single Cell Hotspot	2	3	1	43.3657	54.9807015	11.6150131	13	Moderate	IEC 2	U7	909	72.93471148	27.90155789
876	Single Cell Hotspot	2	3	1	34.827702	57.2915993	22.4638405	5	Critical	IEC 2	U9	902	72.93389709	27.90154495
877	Single Cell Hotspot	2	3	1	44.9282	59.1645012	14.2363358	4	Moderate	IEC 2	L7	902	72.93377159	27.9015267
878	Single Cell Hotspot	2	3	1	41.8549	56.6078987	14.7529717	4	Moderate	IEC 2	U7	902	72.93377127	27.90154357
879	Single Cell Hotspot	3	3	1	43.041901	60.2169991	17.1751213	11	Moderate	IEC 2	U7	909	72.93453498	27.90149207
880	Single Cell Hotspot	5	3	1	49.682899	59.5704002	9.88743973	16	Minor	IEC 2	U8	939	72.93513117	27.901375
881	Single Cell Hotspot	4	3	1	52.106499	59.3422012	7.23572922	15	Minor	IEC 2	L10	909	72.93501628	27.90141865
882	Single Cell Hotspot	5	3	1	44.125801	59.094101	14.9682388	14	Moderate	IEC 2	U7	909	72.93491193	27.90137097
883	Single Cell Hotspot	5	3	1	41.580399	64.8669968	23.2865982	12	Critical	IEC 2	L1	909	72.93464123	27.90135177
884	Single Cell Hotspot	5	3	1	40.7015	57.0556984	16.3541374	12	Moderate	IEC 2	U2	909	72.93465115	27.90136888
885	Single Cell Hotspot	5	3	1	42.7006	60.3406982	17.6401062	12	Moderate	IEC 2	U3	909	72.93466225	27.90136921
886	Single Cell Hotspot	5	3	1	40.709099	61.8040009	21.0949516	9	Critical	IEC 2	U10	902	72.93442133	27.90136479
887	Single Cell Hotspot	5	3	1	48.169998	59.9552002	11.7852249	9	Moderate	IEC 2	L10	902	72.93442207	27.90134823
888	Single Cell Hotspot	5	3	1	47.546799	58.7535019	11.2066727	10	Moderate	IEC 2	L6	902	72.93448464	27.90134944
889	Single Cell Hotspot	5	3	1	38.319599	58.5560989	20.2364922	10	Moderate	IEC 2	U6	902	72.93448376	27.90136643
890	Single Cell Hotspot	5	3	1	38.508999	56.8376007	18.328579	10	Moderate	IEC 2	U8	902	72.9345045	27.90136647
891	Single Cell Hotspot	5	3	1	37.512402	56.9963989	19.4840546	10	Moderate	IEC 2	U9	909	72.93451542	27.90136663
892	Single Cell Hotspot	5	3	1	38.611801	60.9570007	22.3451386	8	Critical	IEC 2	L10	902	72.93431742	27.90134666
893	Single Cell Hotspot	5	3	1	35.917599	54.1921005	18.2745285	2	Moderate	IEC 2	L5	902	72.9336389	27.90133452
894	Single Cell Hotspot	5	3	1	45.290798	56.7499008	11.4591103	2	Moderate	IEC 2	U3	902	72.9336171	27.90135071
895	Single Cell Hotspot	5	3	1	47.4273	57.4455986	10.0182343	1	Moderate	IEC 2	U1	902	72.93359659	27.90135045
896	Single Cell Hotspot	6	3	1	50.8675	57.5872994	6.71971512	9	Minor	IEC 2	L8	902	72.93443385	27.90128208
897	Single Cell Hotspot	6	3	1	41.634399	60.2893982	18.6550369	11	Moderate	IEC 2	L10	909	72.93466324	27.90128691
898	Single Cell Hotspot	6	3	1	39.5103	54.9352989	15.4250298	12	Moderate	IEC 2	U8	909	72.93474582	27.90130668
899	Single Cell Hotspot	6	3	1	40.463402	59.2848015	18.8214684	13	Moderate	IEC 2	U6	909	72.93483045	27.9013074
900	Single Cell Hotspot	1	3	2	36.907002	54.0819016	17.1749039	6	Moderate	IEC 2	U5	902	72.93412004	27.90123474
901	Single Cell Hotspot	3	3	2	47.242599	55.1274986	7.88492203	3	Minor	IEC 2	U3	902	72.93385195	27.9011024
902	Single Cell Hotspot	3	3	2	38.2584	55.7831001	17.5247345	3	Moderate	IEC 2	U4	902	72.93386262	27.9011027
903	Single Cell Hotspot	3	3	2	46.6306	58.9794998	12.3488312	6	Moderate	IEC 2	L9	902	72.93422698	27.90109031
904	Single Cell Hotspot	3	3	2	43.428501	62.5797997	19.1513214	7	Moderate	IEC 2	L4	902	72.93427959	27.9010911
905	Single Cell Hotspot	3	3	2	45.382401	53.2039986	7.82152557	7	Minor	IEC 2	L3	902	72.93426955	27.90109107

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
906	Single Cell Hotspot	3	3	2	45.217899	59.523201	14.3053665	8	Moderate	IEC 2	U1	902	72.93435206	27.90110908
907	Single Cell Hotspot	3	3	2	45.908501	57.1431007	11.2346039	9	Moderate	IEC 2	U2	902	72.93446814	27.90111048
908	Single Cell Hotspot	2	4	1	43.3899	58.5788994	15.1889839	11	Moderate	IEC 2	L10	909	72.93485647	27.90090956
909	Single Cell Hotspot	1	4	1	46.9049	61.1910019	14.2861443	10	Moderate	IEC 2	L10	909	72.93471915	27.90097215
910	Single Cell Hotspot	1	4	1	49.0252	60.4804993	11.4552155	8	Moderate	IEC 2	L8	902	72.93448967	27.90096897
911	Single Cell Hotspot	2	4	1	40.299301	57.0891991	16.7898598	7	Moderate	IEC 2	U8	902	72.93441724	27.90091845
912	Single Cell Hotspot	2	4	1	43.415798	56.8605003	13.4446831	6	Moderate	IEC 2	U1	902	72.93423993	27.90091631
913	Single Cell Hotspot	1	4	1	42.694199	54.3490982	11.6549263	2	Moderate	IEC 2	U6	902	72.93384213	27.90097388
914	Single Cell Hotspot	2	4	1	39.223202	61.4215012	22.1983032	1	Critical	IEC 2	U9	902	72.93380204	27.90091048
915	Single Cell Hotspot	2	4	1	40.4627	56.5519981	16.0893059	1	Moderate	IEC 2	U6	902	72.93376972	27.90090945
916	Single Cell Hotspot	4	4	1	43.225498	64.7779007	21.5524597	1	Critical	IEC 2	L6	902	72.93383503	27.90076456
917	Single Cell Hotspot	4	4	1	35.505402	53.7243004	18.2189369	2	Moderate	IEC 2	U4	902	72.93391774	27.90078456
918	Single Cell Hotspot	4	4	1	46.6451	61.3154984	14.6704521	5	Moderate	IEC 2	U3	902	72.93422061	27.90078982
919	Single Cell Hotspot	4	4	1	48.266499	57.2052002	8.93875122	5	Minor	IEC 2	U6	902	72.93425195	27.90079043
920	Single Cell Hotspot	4	4	1	44.646198	67.2727966	22.6265717	5	Critical	IEC 2	U8	902	72.9342727	27.90079039
921	Single Cell Hotspot	4	4	1	45.669399	65.2155991	19.5461464	5	Moderate	IEC 2	L9	902	72.93428392	27.90077442
922	Single Cell Hotspot	4	4	1	44.792702	59.4067993	14.6141739	5	Moderate	IEC 2	L6	902	72.93425259	27.90077339
923	Single Cell Hotspot	4	4	1	47.120201	59.6139984	12.4938011	5	Moderate	IEC 2	L4	902	72.93423186	27.90077239
924	Single Cell Hotspot	4	4	1	44.695702	60.7401009	16.0444298	8	Moderate	IEC 2	L1	902	72.93451316	27.90077757
925	Single Cell Hotspot	4	4	1	43.866901	60.1376991	16.2708054	9	Moderate	IEC 2	L4	909	72.93464993	27.90078009
926	Single Cell Hotspot	4	4	1	43.987301	58.3110008	14.3237228	10	Moderate	IEC 2	L3	909	72.93474287	27.90078137
927	Single Cell Hotspot	4	4	1	45.0186	58.9818001	13.9631844	10	Moderate	IEC 2	L7	909	72.93478467	27.90078267
928	Single Cell Hotspot	4	4	1	42.744801	60.5914993	17.846653	11	Moderate	IEC 2	L4	909	72.93485837	27.90078232
929	Single Cell Hotspot	3	4	1	49.003601	59.1960983	10.1924744	10	Moderate	IEC 2	U4	909	72.93472082	27.90086117
930	Single Cell Hotspot	4	4	1	47.3722	61.9628983	14.5907822	12	Moderate	IEC 2	U7	909	72.93499248	27.9008035
931	Single Cell Hotspot	4	4	1	43.450298	57.9836998	14.5334168	14	Moderate	IEC 2	U9	939	72.9352223	27.90080784
932	Single Cell Hotspot	3	4	1	42.173901	59.4112015	17.2373695	15	Moderate	IEC 2	U5	939	72.93525368	27.90086878
933	Single Cell Hotspot	6	4	1	43.129398	64.8209	21.6914825	10	Critical	IEC 2	U10	909	72.93488011	27.90067426
934	Single Cell Hotspot	6	4	1	38.959202	56.3680992	17.4089088	11	Moderate	IEC 2	U7	909	72.93495335	27.90067547
935	Single Cell Hotspot	1	4	2	47.035301	59.9497986	12.914444	5	Moderate	IEC 2	L6	902	72.93434866	27.90058729
936	Single Cell Hotspot	1	4	2	43.4678	57.1427002	13.6749306	5	Moderate	IEC 2	U9	902	72.93437963	27.90060443
937	Single Cell Hotspot	1	4	2	47.097801	58.0461998	10.9484062	6	Moderate	IEC 2	L2	902	72.93441149	27.90058736
938	Single Cell Hotspot	6	4	1	40.975399	61.4780998	20.5026779	3	Moderate	IEC 2	L6	902	72.93410733	27.90064602

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
939	Single Cell Hotspot	6	4	1	46.726101	58.9746018	12.2485504	3	Moderate	IEC 2	L7	902	72.93411807	27.90064624
940	Single Cell Hotspot	6	4	1	47.678799	58.4656982	10.7869148	3	Moderate	IEC 2	L8	902	72.93412831	27.90064639
941	Single Cell Hotspot	6	4	1	41.558701	70.6211014	29.0624504	2	Critical	IEC 2	U9	902	72.93403311	27.9006619
942	Single Cell Hotspot	6	4	1	46.596802	58.7630997	12.1663437	2	Moderate	IEC 2	U8	902	72.93402301	27.90066151
943	Single Cell Hotspot	1	4	2	45.9286	58.5374985	12.6089096	1	Moderate	IEC 2	L5	902	72.93392065	27.90058166
944	Single Cell Hotspot	1	4	2	44.000801	58.2298012	14.2289314	2	Moderate	IEC 2	L2	902	72.93399348	27.90058318
945	Single Cell Hotspot	1	4	2	43.387001	52.9793015	9.59233475	1	Minor	IEC 2	U2	902	72.93388944	27.90059856
946	Single Cell Hotspot	1	4	2	41.498199	55.7403984	14.2421646	1	Moderate	IEC 2	U10	902	72.93397294	27.90059956
947	Single Cell Hotspot	2	4	2	36.596298	57.1032982	20.5069466	1	Moderate	IEC 2	U1	902	72.93391037	27.90052967
948	Single Cell Hotspot	1	4	2	47.973499	60.3255005	12.3520088	4	Moderate	IEC 2	L3	902	72.93421279	27.90058575
949	Single Cell Hotspot	1	4	2	47.936699	59.0223999	11.0857086	4	Moderate	IEC 2	L10	902	72.93428619	27.90058711
950	Single Cell Hotspot	2	4	2	45.943401	57.5007019	11.5572853	4	Moderate	IEC 2	U6	902	72.93427615	27.90053862
951	Single Cell Hotspot	2	4	2	39.702801	56.4981995	16.795433	6	Moderate	IEC 2	U2	902	72.93444301	27.90054091
952	Single Cell Hotspot	1	4	2	47.485699	56.3314018	8.84574127	9	Minor	IEC 2	L7	909	72.93477704	27.90059236
953	Single Cell Hotspot	2	4	2	39.129398	58.0727997	18.9434013	9	Moderate	IEC 2	L4	909	72.93477862	27.90052937
954	Single Cell Hotspot	2	4	2	44.075199	60.9576988	16.8825417	13	Moderate	IEC 2	L10	939	72.93525842	27.90053763
955	Single Cell Hotspot	2	4	2	42.578602	60.7117996	18.133194	16	Moderate	IEC 2	U3	939	72.93549795	27.90055848
956	Single Cell Hotspot	3	4	2	37.4655	54.4532013	16.9877586	15	Moderate	IEC 2	U8	939	72.93547883	27.90049417
957	Single Cell Hotspot	3	4	2	42.914501	56.2097015	13.2952385	13	Moderate	IEC 2	L6	939	72.93524934	27.90047276
958	Single Cell Hotspot	3	4	2	38.632702	60.9892998	22.3565674	11	Critical	IEC 2	U4	909	72.93501953	27.90048513
959	Single Cell Hotspot	3	4	2	36.6464	61.4057007	24.7593689	6	Critical	IEC 2	L10	909	72.93456072	27.90046019
960	Single Cell Hotspot	3	4	2	47.932201	58.1786003	10.2463379	6	Moderate	IEC 2	L9	902	72.93454962	27.90046003
961	Single Cell Hotspot	4	4	2	42.3237	59.6319008	17.3082085	5	Moderate	IEC 2	U10	902	72.93448752	27.90041612
962	Single Cell Hotspot	4	4	2	43.389099	62.5382004	19.1490135	5	Moderate	IEC 2	U4	902	72.93442449	27.90041553
963	Single Cell Hotspot	2	5	1	47.050301	58.2985001	11.2481461	1	Moderate	IEC 2	L8	902	72.93411362	27.90026516
964	Single Cell Hotspot	2	5	1	46.4944	57.9527016	11.4583015	2	Moderate	IEC 2	U1	902	72.93414454	27.90028363
965	Single Cell Hotspot	2	5	1	43.773998	58.7840996	15.0101128	4	Moderate	IEC 2	L9	902	72.93443675	27.90026971
966	Single Cell Hotspot	2	5	1	42.630901	57.2536011	14.6226883	4	Moderate	IEC 2	U9	902	72.93443638	27.90028671
967	Single Cell Hotspot	2	5	1	40.193699	58.5241013	18.3303528	6	Moderate	IEC 2	U3	909	72.93458309	27.9002884
968	Single Cell Hotspot	2	5	1	42.126099	56.4446983	14.3185577	7	Moderate	IEC 2	L3	909	72.93468824	27.90027437
969	Single Cell Hotspot	1	5	1	45.573799	91.5022965	45.9285049	8	Critical	IEC 2	L9	909	72.93482215	27.90033993
970	Single Cell Hotspot	1	5	1	44.7262	59.5704994	14.8442764	8	Moderate	IEC 2	U8	909	72.93481113	27.90035647
971	Single Cell Hotspot	1	5	1	45.5844	61.3241997	15.7398262	9	Moderate	IEC 2	L10	909	72.93493701	27.90034258

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
972	Single Cell Hotspot	1	5	1	46.102699	58.0135002	11.9108238	10	Moderate	IEC 2	L1	909	72.93494778	27.90034257
973	Single Cell Hotspot	1	5	1	45.509399	65.5226975	20.0133286	10	Moderate	IEC 2	U6	909	72.93499914	27.90036071
974	Single Cell Hotspot	2	5	1	46.200199	58.1911011	11.9909058	9	Moderate	IEC 2	U5	909	72.9349171	27.90029604
975	Single Cell Hotspot	2	5	1	48.3451	58.0281982	9.68312836	9	Minor	IEC 2	L4	909	72.93490675	27.90027914
976	Single Cell Hotspot	2	5	1	47.4062	58.4075012	11.001339	9	Moderate	IEC 2	L3	909	72.93489641	27.90027913
977	Single Cell Hotspot	1	5	1	49.460899	60.0155983	10.5547333	11	Moderate	IEC 2	L6	939	72.93510416	27.90034546
978	Single Cell Hotspot	1	5	1	45.2589	58.6693993	13.410408	11	Moderate	IEC 2	U7	939	72.93511459	27.90036257
979	Single Cell Hotspot	1	5	1	47.516602	61.9426003	14.4259148	12	Moderate	IEC 2	L1	939	72.93515602	27.90034587
980	Single Cell Hotspot	2	5	1	42.309101	55.1739006	12.8647728	13	Moderate	IEC 2	U5	939	72.93533429	27.90030309
981	Single Cell Hotspot	2	5	1	43.765099	54.3521996	10.5871658	13	Moderate	IEC 2	U3	939	72.93531352	27.90030315
982	Single Cell Hotspot	2	5	1	46.9874	56.2346001	9.2471962	13	Minor	IEC 2	L7	939	72.93535531	27.90028669
983	Single Cell Hotspot	2	5	1	44.049	56.0903015	12.0412445	14	Moderate	IEC 2	U9	939	72.93548047	27.90030489
984	Single Cell Hotspot	1	5	1	43.415501	68.844101	25.4286842	15	Critical	IEC 2	L4	939	72.9355008	27.90035054
985	Single Cell Hotspot	1	5	1	46.468498	59.7410011	13.2725639	16	Moderate	IEC 2	U2	939	72.93558411	27.90036867
986	Single Cell Hotspot	2	5	1	43.176201	54.9486008	11.772419	16	Moderate	IEC 2	U2	919	72.93561578	27.90030649
987	Single Cell Hotspot	4	5	1	48.5653	58.7529984	10.1877327	16	Moderate	IEC 2	L2	919	72.93568116	27.90016426
988	Single Cell Hotspot	3	5	1	46.0853	59.5979004	13.5125504	15	Moderate	IEC 2	L3	939	72.93555514	27.90022389
989	Single Cell Hotspot	3	5	1	47.459499	74.3644028	26.9049187	14	Critical	IEC 2	L5	939	72.93547146	27.90022358
990	Single Cell Hotspot	3	5	1	46.1777	57.7462997	11.5685654	13	Moderate	IEC 2	U9	939	72.93540857	27.9002396
991	Single Cell Hotspot	3	5	1	45.058998	59.9758987	14.9169045	13	Moderate	IEC 2	U7	939	72.93538771	27.90023934
992	Single Cell Hotspot	3	5	1	45.199402	56.0430985	10.8436585	13	Moderate	IEC 2	U3	939	72.93534625	27.90023877
993	Single Cell Hotspot	3	5	1	47.4109	61.0181007	13.6071281	11	Moderate	IEC 2	L4	939	72.93514861	27.90021855
994	Single Cell Hotspot	3	5	1	48.102901	63.5760002	15.4731522	9	Moderate	IEC 2	U5	909	72.93494942	27.90023332
995	Single Cell Hotspot	3	5	1	41.984699	64.4966965	22.5120201	9	Critical	IEC 2	U1	909	72.9349074	27.90023214
996	Single Cell Hotspot	4	5	1	48.033199	56.5642014	8.53095627	10	Minor	IEC 2	L7	939	72.93510707	27.90015449
997	Single Cell Hotspot	4	5	1	50.9272	61.3120995	10.3848763	8	Moderate	IEC 2	L6	909	72.93488793	27.90015203
998	Single Cell Hotspot	4	5	1	44.0168	57.9612007	13.9444351	8	Moderate	IEC 2	L8	909	72.9349086	27.9001525
999	Single Cell Hotspot	4	5	1	48.899502	58.1049004	9.20541763	8	Minor	IEC 2	U5	909	72.93487755	27.90016916
1000	Single Cell Hotspot	4	5	1	47.815701	60.5755997	12.7598419	3	Moderate	IEC 2	L8	902	72.93438685	27.90014179
1001	Single Cell Hotspot	3	5	1	43.925098	60.5755005	16.650486	3	Moderate	IEC 2	L5	902	72.93432288	27.90020478
1002	Single Cell Hotspot	3	5	1	45.940701	61.1109009	15.1702194	3	Moderate	IEC 2	L6	902	72.93433344	27.90020456
1003	Single Cell Hotspot	4	5	1	46.246201	55.2902985	9.04416657	3	Minor	IEC 2	L2	902	72.93432443	27.90014034
1004	Single Cell Hotspot	4	5	1	44.100601	60.0178986	15.9172936	1	Moderate	IEC 2	L3	902	72.93412584	27.90013588

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1005	Single Cell Hotspot	4	5	1	42.673599	58.2000008	15.5264587	1	Moderate	IEC 2	L6	902	72.93415792	27.90013691
1006	Single Cell Hotspot	4	5	1	43.7318	58.1893997	14.4575653	1	Moderate	IEC 2	U7	902	72.93416741	27.90015384
1007	Single Cell Hotspot	4	5	1	42.213902	58.6688995	16.454937	1	Moderate	IEC 2	U9	902	72.93418838	27.90015453
1008	Single Cell Hotspot	4	5	1	45.284901	56.0057983	10.7209396	1	Moderate	IEC 2	U2	902	72.93411529	27.90015213
1009	Single Cell Hotspot	5	5	1	48.372002	62.2109985	13.8390732	6	Moderate	IEC 2	U1	909	72.9346592	27.90010037
1010	Single Cell Hotspot	5	5	1	46.503502	59.9342995	13.430748	6	Moderate	IEC 2	U5	909	72.93470071	27.90010125
1011	Single Cell Hotspot	6	5	1	50.421902	60.6427994	10.2209282	6	Moderate	IEC 2	L5	909	72.93473319	27.90002239
1012	Single Cell Hotspot	6	5	1	48.820099	59.9123001	11.0922585	6	Moderate	IEC 2	U6	909	72.93474356	27.90003896
1013	Single Cell Hotspot	6	5	1	38.958	62.7528	23.7948151	7	Critical	IEC 2	U6	909	72.93484835	27.90004028
1014	Single Cell Hotspot	6	5	1	50.3657	60.7238998	10.3581162	7	Moderate	IEC 2	L8	909	72.93486929	27.90002379
1015	Single Cell Hotspot	5	5	1	50.122002	62.8582001	12.7362175	8	Moderate	IEC 2	U3	909	72.93488853	27.90010309
1016	Single Cell Hotspot	5	5	1	50.5522	58.4408989	7.88870239	8	Minor	IEC 2	L3	909	72.93488893	27.90008576
1017	Single Cell Hotspot	6	5	1	51.266602	58.5724983	7.30591202	8	Minor	IEC 2	L2	909	72.93491076	27.90002435
1018	Single Cell Hotspot	6	5	1	46.907902	63.4035988	16.4956665	10	Moderate	IEC 2	U5	939	72.93515054	27.90004638
1019	Single Cell Hotspot	6	5	1	44.782002	55.8232002	11.0412521	13	Moderate	IEC 2	U4	939	72.93545378	27.90005044
1020	Single Cell Hotspot	5	5	1	45.465698	54.0686989	8.60305786	15	Minor	IEC 2	U7	919	72.93566062	27.90011653
1021	Single Cell Hotspot	5	5	1	44.500099	55.6842003	11.1840286	15	Moderate	IEC 2	U10	919	72.93569227	27.90011761
1022	Single Cell Hotspot	5	5	1	46.4706	55.9084015	9.43781662	16	Minor	IEC 2	U4	919	72.93573407	27.90011901
1023	Single Cell Hotspot	5	5	1	44.2323	58.2058983	13.9735184	16	Moderate	IEC 2	U9	919	72.93578546	27.90012027
1024	Single Cell Hotspot	6	5	1	49.818901	58.6864014	8.86748505	14	Minor	IEC 2	L10	919	72.93562043	27.90003769
1025	Single Cell Hotspot	2	5	2	38.491501	59.2182999	20.7268524	14	Moderate	IEC 2	U9	919	72.93567483	27.89993
1026	Single Cell Hotspot	2	5	2	44.560699	60.553299	15.9926262	14	Moderate	IEC 2	U3	919	72.93561243	27.89992836
1027	Single Cell Hotspot	1	5	2	43.0387	60.5154991	17.4768524	15	Moderate	IEC 2	L2	919	72.93567445	27.89997416
1028	Single Cell Hotspot	1	5	2	43.9711	60.2036018	16.2324829	13	Moderate	IEC 2	L5	939	72.9354965	27.89996971
1029	Single Cell Hotspot	1	5	2	44.791801	59.0712013	14.2793961	10	Moderate	IEC 2	L6	939	72.93519374	27.89996607
1030	Single Cell Hotspot	1	5	2	51.680199	58.7924004	7.11223602	10	Minor	IEC 2	L3	939	72.93516238	27.89996525
1031	Single Cell Hotspot	1	5	2	47.361099	59.1071014	11.7459793	8	Moderate	IEC 2	U10	909	72.93502602	27.89997994
1032	Single Cell Hotspot	2	5	2	48.682098	59.1251984	10.4430733	6	Moderate	IEC 2	U4	909	72.9347875	27.89991455
1033	Single Cell Hotspot	1	5	2	40.413502	59.9199982	19.5064964	3	Moderate	IEC 2	U10	902	72.93450415	27.89997106
1034	Single Cell Hotspot	1	5	2	44.241001	56.4914017	12.2504425	4	Moderate	IEC 2	U2	902	72.93452506	27.89997137
1035	Single Cell Hotspot	2	5	2	41.783001	61.6082001	19.8252716	3	Moderate	IEC 2	L10	902	72.93453839	27.89989186
1036	Single Cell Hotspot	1	5	2	48.656899	55.8936997	7.23682404	3	Minor	IEC 2	L6	902	72.93446295	27.89995266
1037	Single Cell Hotspot	3	5	2	43.668999	58.4653015	14.7962952	2	Moderate	IEC 2	L6	902	72.93442413	27.89982683

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1038	Single Cell Hotspot	3	5	2	46.9552	54.0587997	7.10366821	2	Minor	IEC 2	U5	902	72.93441253	27.89984317
1039	Single Cell Hotspot	3	5	2	47.6553	55.9712982	8.31601715	9	Minor	IEC 2	L10	939	72.93519617	27.89983982
1040	Single Cell Hotspot	3	5	2	47.877899	54.1090012	6.23115921	12	Minor	IEC 2	U8	939	72.93548818	27.89986141
1041	Single Cell Hotspot	3	5	2	47.149799	56.6652985	9.51546478	13	Minor	IEC 2	U4	939	72.93555107	27.89986256
1042	Single Cell Hotspot	3	5	2	47.5919	53.5993004	6.0074501	13	Minor	IEC 2	L4	939	72.93555131	27.8998462
1043	Single Cell Hotspot	3	5	2	45.691101	54.0483017	8.35713577	13	Minor	IEC 2	L6	939	72.93557258	27.89984639
1044	Single Cell Hotspot	3	5	2	46.271801	57.5802002	11.3083305	15	Moderate	IEC 2	L2	919	72.93573927	27.89984815
1045	Single Cell Hotspot	3	5	2	41.3946	53.986599	12.5920296	16	Moderate	IEC 2	L2	919	72.93584386	27.8998508
1046	Single Cell Hotspot	2	5	2	47.160301	87.527298	40.3669128	15	Critical	IEC 2	L9	919	72.93578	27.89991372
1047	Single Cell Hotspot	3	5	2	45.9981	54.0749016	8.07678604	16	Minor	IEC 2	L10	919	72.93592639	27.89985292
1048	Single Cell Hotspot	7	5	2	42.676102	56.3035011	13.6274071	14	Moderate	IEC 2	L4	914	72.93620066	27.89985803
1049	Single Cell Hotspot	7	5	2	48.503601	97.0173035	48.5136604	8	Critical	IEC 2	U1	914	72.93634381	27.89994004
1050	Single Cell Hotspot	7	5	2	48.688499	59.6875	10.999054	10	Moderate	IEC 2	L5	914	72.93659464	27.89992785
1051	Single Cell Hotspot	7	5	2	46.106201	56.1856003	10.0794678	11	Moderate	IEC 2	U4	914	72.93668863	27.89994597
1052	Single Cell Hotspot	7	5	2	40.163101	56.7184982	16.5554085	11	Moderate	IEC 2	U5	914	72.93669921	27.89994626
1053	Single Cell Hotspot	6	5	2	40.996498	65.0779038	24.0813828	16	Critical	IEC 2	U6	914	72.93678144	27.90001246
1054	Single Cell Hotspot	6	5	2	47.121799	65.1968002	18.0749779	16	Moderate	IEC 2	L4	914	72.93676096	27.89999509
1055	Single Cell Hotspot	6	5	2	45.800598	82.6383972	36.8378525	15	Critical	IEC 2	L2	914	72.93663641	27.89999266
1056	Single Cell Hotspot	6	5	2	42.467999	94.3142014	51.8461685	14	Critical	IEC 2	U6	914	72.93657304	27.90000857
1057	Single Cell Hotspot	6	5	2	46.045399	59.5850983	13.5397453	14	Moderate	IEC 2	L2	914	72.93653183	27.89999107
1058	Single Cell Hotspot	7	5	2	48.603699	60.7753983	12.1717072	4	Moderate	IEC 2	U7	914	72.93637515	27.9000052
1059	Single Cell Hotspot	7	5	2	44.116901	58.8279991	14.7110786	3	Moderate	IEC 2	U9	914	72.93629217	27.90000385
1060	Single Cell Hotspot	6	5	2	44.700699	59.7349014	15.0341873	9	Moderate	IEC 2	U3	914	72.93640601	27.90006686
1061	Single Cell Hotspot	6	5	2	42.2752	60.6792984	18.4041023	12	Moderate	IEC 2	U1	914	72.93669792	27.90007373
1062	Single Cell Hotspot	6	5	2	43.437099	67.1697998	23.7327194	12	Critical	IEC 2	U3	914	72.93671854	27.90007425
1063	Single Cell Hotspot	5	5	2	48.2943	59.2537003	10.9593697	11	Moderate	IEC 2	L8	914	72.93673796	27.90011958
1064	Single Cell Hotspot	5	5	2	44.4543	57.1102982	12.6559563	9	Moderate	IEC 2	U8	914	72.93652911	27.90013315
1065	Single Cell Hotspot	5	5	2	47.775002	70.7857971	23.0107918	8	Critical	IEC 2	L6	914	72.93640459	27.90011401
1066	Single Cell Hotspot	5	5	2	44.843601	59.5116005	14.667984	8	Moderate	IEC 2	U5	914	72.93639409	27.90013089
1067	Single Cell Hotspot	6	5	2	50.224201	61.7220993	11.497921	3	Moderate	IEC 2	L6	914	72.93619631	27.90011044
1068	Single Cell Hotspot	7	5	1	44.145699	54.7909012	10.6451492	11	Moderate	IEC 2	U2	914	72.93629809	27.90025645
1069	Single Cell Hotspot	7	5	1	45.781899	67.2124023	21.4304276	9	Critical	IEC 2	L5	914	72.93650598	27.90030513
1070	Single Cell Hotspot	7	5	1	46.6007	66.8965988	20.2958489	9	Moderate	IEC 2	L2	914	72.93647523	27.9003048

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1071	Single Cell Hotspot	7	5	1	48.433701	64.9353027	16.5016213	7	Moderate	IEC 2	L3	914	72.93627721	27.90030383
1072	Single Cell Hotspot	7	5	1	45.862701	60.5410004	14.6782913	5	Moderate	IEC 2	L4	914	72.93656761	27.90036975
1073	Single Cell Hotspot	7	5	1	49.6712	63.6010017	13.9298325	2	Moderate	IEC 2	U5	914	72.93616	27.90037914
1074	Single Cell Hotspot	7	5	1	45.285801	64.3567963	19.0709648	2	Moderate	IEC 2	U1	914	72.93611849	27.90037847
1075	Single Cell Hotspot	4	4	2	41.874001	56.6361008	14.762104	7	Moderate	IEC 2	L5	919	72.93581603	27.90041769
1076	Single Cell Hotspot	4	5	2	43.1166	60.0022011	16.8856659	12	Moderate	IEC 2	L10	914	72.93638919	27.90043034
1077	Single Cell Hotspot	4	5	2	46.2416	59.3016014	13.0599976	4	Moderate	IEC 2	U9	914	72.93658669	27.90045091
1078	Single Cell Hotspot	4	4	2	45.711899	62.040699	16.3288193	4	Moderate	IEC 2	U8	914	72.93633588	27.90050906
1079	Single Cell Hotspot	4	4	2	49.3685	57.4458008	8.07724381	2	Minor	IEC 2	U5	914	72.93609632	27.90050392
1080	Single Cell Hotspot	4	4	2	50.0532	59.2667999	9.21354675	3	Minor	IEC 2	U10	914	72.93614829	27.90050531
1081	Single Cell Hotspot	7	4	2	44.131802	55.287899	11.1561356	9	Moderate	IEC 2	U2	914	72.93592898	27.90056246
1082	Single Cell Hotspot	7	4	2	39.8508	52.5560989	12.7053757	9	Moderate	IEC 2	U1	914	72.93591835	27.9005623
1083	Single Cell Hotspot	6	4	2	48.8652	59.5836983	10.718502	11	Moderate	IEC 2	L2	914	72.93641819	27.90061901
1084	Single Cell Hotspot	7	4	2	49.181599	60.0609016	10.8793068	5	Moderate	IEC 2	L2	914	72.93610526	27.90061401
1085	Single Cell Hotspot	7	4	2	42.610901	56.4701996	13.8593483	1	Moderate	IEC 2	U10	919	72.93577127	27.90062302
1086	Single Cell Hotspot	6	4	2	43.625401	55.6034012	11.9780197	5	Moderate	IEC 2	L3	914	72.93597828	27.90067678
1087	Single Cell Hotspot	7	4	1	49.013199	57.5298996	8.51672745	11	Minor	IEC 2	U5	914	72.93638431	27.90076127
1088	Single Cell Hotspot	7	4	1	49.911598	58.2341995	8.32260132	6	Minor	IEC 2	L2	914	72.93611294	27.90080326
1089	Single Cell Hotspot	7	4	1	48.5443	57.7697983	9.22555542	6	Minor	IEC 2	U7	914	72.93616457	27.90082103
1090	Single Cell Hotspot	7	4	1	44.552898	62.9808998	18.4279404	2	Moderate	IEC 2	L5	914	72.93611172	27.90086521
1091	Single Cell Hotspot	7	4	1	49.651501	58.2459984	8.59447479	2	Minor	IEC 2	U6	914	72.93612187	27.90088198
1092	Single Cell Hotspot	7	4	1	48.558399	67.6286011	19.0701752	3	Moderate	IEC 2	U3	914	72.93619535	27.90088341
1093	Single Cell Hotspot	7	4	1	45.8792	64.7281036	18.8489609	4	Moderate	IEC 2	L6	914	72.9363308	27.90086989
1094	Single Cell Hotspot	5	4	2	43.8083	57.266201	13.4578552	12	Moderate	IEC 2	U6	919	72.93588075	27.90094112
1095	Single Cell Hotspot	5	4	2	41.879902	55.5073013	13.6274109	11	Moderate	IEC 2	U8	919	72.93579793	27.90093973
1096	Single Cell Hotspot	5	4	2	42.646599	58.6147003	15.9681625	11	Moderate	IEC 2	U7	919	72.93578697	27.90093965
1097	Single Cell Hotspot	5	4	2	48.106201	56.1948013	8.08866882	11	Minor	IEC 2	L7	919	72.93578782	27.90092289
1098	Single Cell Hotspot	5	4	2	47.758801	56.2812996	8.52254486	11	Minor	IEC 2	L3	919	72.93574617	27.90092153
1099	Single Cell Hotspot	5	4	2	47.455002	57.7328987	10.2778091	2	Moderate	IEC 2	U5	919	72.93562977	27.90100376
1100	Single Cell Hotspot	5	4	2	48.259899	56.0952988	7.83542633	4	Minor	IEC 2	L7	919	72.93585812	27.90099136
1101	Single Cell Hotspot	5	4	2	44.9939	57.6487999	12.6549454	4	Moderate	IEC 2	L9	919	72.93587999	27.90099052
1102	Single Cell Hotspot	6	3	2	44.506699	56.9592018	12.4524574	6	Moderate	IEC 2	U3	919	72.93589804	27.90125951
1103	Single Cell Hotspot	6	3	2	50.7272	60.7877998	10.0605927	4	Moderate	IEC 2	U8	914	72.93612675	27.90132669

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1104	Single Cell Hotspot	6	3	2	50.59	56.6166992	6.0266037	4	Minor	IEC 2	U7	914	72.93611632	27.90132662
1105	Single Cell Hotspot	6	3	2	45.568501	57.8199005	12.2514229	2	Moderate	IEC 2	U9	919	72.93592802	27.90132387
1106	Single Cell Hotspot	7	3	2	52.063801	69.6400986	17.5763474	7	Moderate	IEC 2	L8	914	72.9360972	27.90137225
1107	Single Cell Hotspot	7	3	1	46.080502	57.6011009	11.5205498	9	Moderate	IEC 2	L6	919	72.93593735	27.90143333
1108	Single Cell Hotspot	7	3	1	46.050701	59.7515984	13.7008514	10	Moderate	IEC 2	L2	919	72.93599946	27.90143589
1109	Single Cell Hotspot	7	3	1	47.718399	56.9413986	9.22301865	6	Minor	IEC 2	L10	919	72.93566543	27.90142951
1110	Single Cell Hotspot	7	3	1	42.658501	57.0395012	14.3809738	4	Moderate	IEC 2	L4	939	72.93539432	27.90142404
1111	Single Cell Hotspot	5	3	2	47.2108	57.408699	10.1978416	14	Moderate	IEC 2	L6	919	72.93559186	27.90149095
1112	Single Cell Hotspot	5	3	2	48.952099	55.5554009	6.60337448	14	Minor	IEC 2	U9	919	72.93562283	27.90150815
1113	Single Cell Hotspot	5	3	2	45.603298	61.2527008	15.6494446	10	Moderate	IEC 2	L7	919	72.93598684	27.9015604
1114	Single Cell Hotspot	5	3	2	46.875301	55.1725998	8.29729462	10	Minor	IEC 2	U2	919	72.93593493	27.90157608
1115	Single Cell Hotspot	5	3	2	48.1507	53.9808006	5.83013153	9	Minor	IEC 2	U6	919	72.93587265	27.901575
1116	Single Cell Hotspot	5	3	2	43.782101	64.5337982	20.7516975	8	Moderate	IEC 2	L6	919	72.9357685	27.90155669
1117	Single Cell Hotspot	5	3	2	48.768799	56.4207001	7.65189362	8	Minor	IEC 2	L7	919	72.93577883	27.90155676
1118	Single Cell Hotspot	5	3	2	47.2141	60.5407982	13.3267365	8	Moderate	IEC 2	U1	919	72.93571649	27.90157281
1119	Single Cell Hotspot	5	3	2	47.4487	59.4556007	12.0068932	4	Moderate	IEC 2	L8	939	72.93537176	27.90155051
1120	Single Cell Hotspot	4	3	2	47.2188	57.5521011	10.3332558	11	Moderate	IEC 2	U10	939	72.93536041	27.9016298
1121	Single Cell Hotspot	4	3	2	48.946899	59.3815002	10.4346123	14	Moderate	IEC 2	U3	919	72.93560088	27.90163432
1122	Single Cell Hotspot	4	3	2	46.110401	56.1954002	10.0849228	15	Moderate	IEC 2	U9	919	72.93576715	27.90163624
1123	Single Cell Hotspot	4	3	2	48.247398	60.5727005	12.3253059	9	Moderate	IEC 2	L9	919	72.93615192	27.90168899
1124	Single Cell Hotspot	4	3	2	52.649399	59.1279984	6.47867584	9	Minor	IEC 2	U7	919	72.93613164	27.90170545
1125	Single Cell Hotspot	4	3	2	47.324299	56.600399	9.27611542	6	Minor	IEC 2	L6	919	72.93580813	27.90168565
1126	Single Cell Hotspot	4	3	2	48.048302	64.3094025	16.2611466	3	Moderate	IEC 2	L6	939	72.93549508	27.90167756
1127	Single Cell Hotspot	4	3	2	46.0009	67.7606964	21.7598076	2	Critical	IEC 2	U2	939	72.93534978	27.90169481
1128	Single Cell Hotspot	7	2	2	41.730999	57.2989998	15.5680161	1	Moderate	IEC 2	L1	939	72.93509875	27.90173656
1129	Single Cell Hotspot	7	2	2	49.221802	63.1935005	13.9716415	4	Moderate	IEC 2	L9	939	72.93549393	27.90174203
1130	Single Cell Hotspot	7	2	2	47.939201	59.6455994	11.7064171	4	Moderate	IEC 2	L10	919	72.9355043	27.90174245
1131	Single Cell Hotspot	7	2	2	46.7584	55.8089981	9.05060577	7	Minor	IEC 2	L2	919	72.93573478	27.90174565
1132	Single Cell Hotspot	7	2	2	48.972198	60.3161011	11.3438301	7	Moderate	IEC 2	L4	919	72.93575543	27.90174575
1133	Single Cell Hotspot	7	2	2	48.9049	58.4668007	9.56194305	9	Minor	IEC 2	U2	919	72.93594284	27.90176689
1134	Single Cell Hotspot	6	2	2	49.415001	57.6436997	8.22870636	14	Minor	IEC 2	L7	919	72.93585828	27.90181221
1135	Single Cell Hotspot	6	2	2	44.918598	59.3555985	14.4369431	13	Moderate	IEC 2	L1	919	72.9356925	27.90180933
1136	Single Cell Hotspot	6	2	2	49.410198	59.4864006	10.0762444	13	Moderate	IEC 2	L2	919	72.9357029	27.90180962

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1137	Single Cell Hotspot	6	2	2	50.449799	56.6987991	6.24903107	13	Minor	IEC 2	L3	919	72.93571335	27.90180958
1138	Single Cell Hotspot	6	2	2	48.004398	63.2387009	15.2342835	7	Moderate	IEC 2	U5	939	72.93510838	27.90181728
1139	Single Cell Hotspot	6	2	2	49.066799	58.2495003	9.18278122	5	Minor	IEC 2	L4	919	72.93590065	27.90187563
1140	Single Cell Hotspot	5	2	2	49.516399	57.0491982	7.53284454	11	Minor	IEC 2	U6	919	72.93588877	27.90195555
1141	Single Cell Hotspot	5	2	2	50.5597	57.9856987	7.42596436	11	Minor	IEC 2	L6	919	72.93588837	27.90193871
1142	Single Cell Hotspot	5	2	2	47.820202	60.5727005	12.7525139	10	Moderate	IEC 2	L5	919	72.93577351	27.90193616
1143	Single Cell Hotspot	5	2	2	48.936001	60.1249008	11.1889038	8	Moderate	IEC 2	L9	919	72.9356061	27.90193354
1144	Single Cell Hotspot	5	2	2	49.131901	58.2089996	9.07710648	8	Minor	IEC 2	L3	919	72.93554412	27.90193366
1145	Single Cell Hotspot	5	2	2	48.173199	57.7410011	9.56781387	7	Minor	IEC 2	L7	939	72.93548188	27.90193314
1146	Single Cell Hotspot	5	2	2	45.896801	58.9054985	13.0087166	1	Moderate	IEC 2	U9	939	72.93547104	27.90201203
1147	Single Cell Hotspot	5	2	2	48.353401	58.1301003	9.77661896	5	Minor	IEC 2	U8	919	72.93587745	27.90201857
1148	Single Cell Hotspot	7	2	1	47.577702	57.8511009	10.2733192	8	Moderate	IEC 2	U5	919	72.93560572	27.90207715
1149	Single Cell Hotspot	7	2	1	45.267101	56.9187012	11.6515579	5	Moderate	IEC 2	U5	919	72.93588563	27.90214628
1150	Single Cell Hotspot	7	2	1	45.226101	56.2010994	10.9750252	5	Moderate	IEC 2	U6	919	72.93589615	27.90214644
1151	Single Cell Hotspot	4	2	2	49.3563	59.3849983	10.0287056	11	Moderate	IEC 2	L10	919	72.93590537	27.90219095
1152	Single Cell Hotspot	4	2	2	47.620899	57.526001	9.90511322	9	Minor	IEC 2	L10	919	72.93569721	27.90218853
1153	Single Cell Hotspot	4	2	2	47.281101	56.1880989	8.9069252	8	Minor	IEC 2	U2	919	72.93551022	27.90220209
1154	Single Cell Hotspot	4	2	2	44.962502	57.3280983	12.3655739	2	Moderate	IEC 2	U7	909	72.93493601	27.90219438
1155	Single Cell Hotspot	7	1	2	47.715	55.5367012	7.82168579	8	Minor	IEC 2	U3	939	72.93538465	27.9022638
1156	Single Cell Hotspot	7	1	2	46.457199	55.7443008	9.28704071	1	Minor	IEC 2	U7	919	72.93570784	27.9023318
1157	Single Cell Hotspot	6	1	2	50.144402	61.1664009	11.0219612	16	Moderate	IEC 2	L5	919	72.93558218	27.9023128
1158	Single Cell Hotspot	6	1	2	49.3992	59.8352013	10.4360237	14	Moderate	IEC 2	L2	939	72.93534278	27.90231075
1159	Single Cell Hotspot	6	1	2	47.961601	59.149601	11.187973	11	Moderate	IEC 2	U2	939	72.93502989	27.90232173
1160	Single Cell Hotspot	6	1	2	43.577702	59.7498016	16.1720963	10	Moderate	IEC 2	U7	909	72.93497639	27.90232087
1161	Single Cell Hotspot	6	1	2	45.385799	61.4345017	16.0486565	5	Moderate	IEC 2	U7	939	72.93525848	27.90238738
1162	Single Cell Hotspot	7	1	1	46.5214	55.1133003	8.59192658	16	Minor	IEC 2	U8	919	72.93575722	27.90245927
1163	Single Cell Hotspot	7	1	1	49.960602	55.2378998	5.27721024	16	Minor	IEC 2	L8	919	72.93575781	27.90244214
1164	Single Cell Hotspot	7	1	1	44.474098	55.2340012	10.7598953	16	Moderate	IEC 2	L7	919	72.93574718	27.90244185
1165	Single Cell Hotspot	7	1	1	43.828899	56.0264015	12.1974754	16	Moderate	IEC 2	U3	919	72.93570344	27.90245896
1166	Single Cell Hotspot	7	1	1	49.250198	57.7694016	8.51923752	15	Minor	IEC 2	L3	919	72.93560205	27.90243956
1167	Single Cell Hotspot	7	1	1	44.658699	57.0499992	12.3913536	15	Moderate	IEC 2	U1	919	72.93558118	27.90245568
1168	Single Cell Hotspot	7	1	1	48.388599	56.7719994	8.38345718	14	Minor	IEC 2	L2	919	72.93548686	27.90243851
1169	Single Cell Hotspot	7	1	1	47.181702	53.9906006	6.80897522	6	Minor	IEC 2	L1	939	72.93523543	27.9024982

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1170	Single Cell Hotspot	7	1	1	47.520599	55.9902992	8.46969986	6	Minor	IEC 2	U2	939	72.9352459	27.9025151
1171	Single Cell Hotspot	7	1	1	50.686901	59.1534004	8.466465	10	Minor	IEC 2	L10	919	72.93574644	27.902505
1172	Single Cell Hotspot	6	1	1	51.195801	61.0620003	9.8661232	15	Minor	IEC 2	L10	919	72.93561107	27.90256624
1173	Single Cell Hotspot	6	1	1	48.906799	58.2117004	9.30488586	14	Minor	IEC 2	U9	919	72.93567019	27.90264761
1174	Single Cell Hotspot	6	1	1	44.1651	63.5611	19.3959427	9	Moderate	IEC 2	U3	939	72.93508682	27.902637
1175	Single Cell Hotspot	6	1	1	48.432999	59.135601	10.70261	7	Moderate	IEC 2	L7	909	72.93491958	27.90261913
1176	Single Cell Hotspot	6	1	1	40.2729	55.1590996	14.8861733	5	Moderate	IEC 2	U1	909	72.93464892	27.90263136
1177	Single Cell Hotspot	5	1	1	48.658298	57.1716995	8.51337051	12	Minor	IEC 2	U9	909	72.93480309	27.90269812
1178	Single Cell Hotspot	5	1	1	48.086601	60.3606987	12.2741394	13	Moderate	IEC 2	U3	909	72.93484614	27.90269806
1179	Single Cell Hotspot	5	1	1	47.4562	61.1945	13.7383614	16	Moderate	IEC 2	U1	939	72.93513796	27.90270293
1180	Single Cell Hotspot	5	1	1	45.620899	70.1166992	24.4958267	16	Critical	IEC 2	L6	939	72.93519036	27.90268677
1181	Single Cell Hotspot	6	1	1	51.339401	61.8852005	10.5457954	1	Moderate	IEC 2	U8	939	72.93531546	27.90270472
1182	Single Cell Hotspot	6	1	1	48.7215	64.373497	15.6519547	2	Moderate	IEC 2	U2	939	72.93535672	27.90270571
1183	Single Cell Hotspot	6	1	1	47.7425	58.5570984	10.8146439	2	Moderate	IEC 2	L4	939	72.9353783	27.90269002
1184	Single Cell Hotspot	6	1	1	46.2925	58.1259003	11.8334312	2	Moderate	IEC 2	U7	939	72.93540867	27.90270715
1185	Single Cell Hotspot	6	1	1	46.932098	58.9019013	11.9697952	4	Moderate	IEC 2	L10	919	72.93564932	27.90269392
1186	Single Cell Hotspot	5	1	1	49.8419	59.3306007	9.4886322	10	Minor	IEC 2	L9	919	72.9356072	27.90275671
1187	Single Cell Hotspot	5	1	1	48.078499	58.8543015	10.7757683	10	Moderate	IEC 2	U2	919	72.93553427	27.90277239
1188	Single Cell Hotspot	5	1	1	50.655201	60.2168007	9.56156158	8	Minor	IEC 2	L7	939	72.93537739	27.90275345
1189	Single Cell Hotspot	5	1	1	50.9081	59.7994003	8.89130783	8	Minor	IEC 2	U8	939	72.93538772	27.90276987
1190	Single Cell Hotspot	5	1	1	48.521301	61.4916	12.970295	8	Moderate	IEC 2	U6	939	72.93536694	27.90276976
1191	Single Cell Hotspot	5	1	1	49.356701	59.2675018	9.91089249	8	Minor	IEC 2	U2	939	72.93532528	27.90276927
1192	Single Cell Hotspot	5	1	1	50.683102	57.9584007	7.27534485	6	Minor	IEC 2	U4	939	72.93513712	27.9027661
1193	Single Cell Hotspot	5	1	1	49.265301	58.8998985	9.63457489	6	Minor	IEC 2	L3	939	72.93512694	27.90274987
1194	Single Cell Hotspot	5	1	1	50.3382	57.9023018	7.56405258	5	Minor	IEC 2	L3	939	72.93502328	27.90274798
1195	Single Cell Hotspot	5	1	1	48.818501	58.1649017	9.34641266	4	Minor	IEC 2	U8	939	72.93497006	27.90276395
1196	Single Cell Hotspot	5	1	1	47.436901	57.669899	10.2329292	4	Moderate	IEC 2	U9	939	72.93498072	27.90276433
1197	Single Cell Hotspot	5	1	1	49.348598	58.1699982	8.82138443	2	Minor	IEC 2	U4	909	72.93472018	27.90275951
1198	Single Cell Hotspot	5	1	1	48.844502	61.2602005	12.4157257	1	Moderate	IEC 2	U9	909	72.93466819	27.90275851
1199	Single Cell Hotspot	4	1	1	43.8895	60.7817993	16.8923149	5	Moderate	IEC 2	U4	909	72.93458396	27.90282178
1200	Single Cell Hotspot	4	1	1	48.6096	58.6181984	10.0086441	5	Moderate	IEC 2	U9	909	72.93463598	27.90282232
1201	Single Cell Hotspot	4	1	1	47.786999	65.0409012	17.2539597	5	Moderate	IEC 2	L10	909	72.93464637	27.90280553
1202	Single Cell Hotspot	4	1	1	47.8601	58.1687012	10.3085823	7	Moderate	IEC 2	U3	909	72.93478233	27.90282478

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1203	Single Cell Hotspot	4	1	1	43.3787	58.1008987	14.7222099	8	Moderate	IEC 2	U2	909	72.93487545	27.90282619
1204	Single Cell Hotspot	4	1	1	48.188801	59.2150993	11.0263443	8	Moderate	IEC 2	L3	909	72.93488607	27.90280974
1205	Single Cell Hotspot	4	1	1	50.0816	60.1879005	10.1063118	11	Moderate	IEC 2	L3	939	72.9352	27.9028144
1206	Single Cell Hotspot	4	1	1	50.3493	59.6570015	9.30773163	12	Minor	IEC 2	L6	939	72.93533494	27.9028156
1207	Single Cell Hotspot	4	1	1	51.319599	57.2672005	5.94761276	13	Minor	IEC 2	L6	919	72.93544033	27.90281576
1208	Single Cell Hotspot	4	1	1	52.180698	60.7190018	8.53836823	14	Minor	IEC 2	U10	919	72.93558524	27.90283637
1209	Single Cell Hotspot	4	1	1	44.7286	61.4514008	16.7227898	4	Moderate	IEC 2	U6	919	72.93551217	27.90289804
1210	Single Cell Hotspot	4	1	1	46.311298	58.2391014	11.9278336	3	Moderate	IEC 2	U9	919	72.93543912	27.9028973
1211	Single Cell Hotspot	4	1	1	49.2351	56.3613014	7.12626648	2	Minor	IEC 2	U10	939	72.93534432	27.90289597
1212	Single Cell Hotspot	4	1	1	47.5182	55.9392014	8.42105484	2	Minor	IEC 2	U7	939	72.93531349	27.90289548
1213	Single Cell Hotspot	4	1	1	45.830002	59.5195007	13.6895561	1	Moderate	IEC 2	L10	939	72.93524067	27.90287812
1214	Single Cell Hotspot	3	1	1	48.496201	56.2174988	7.721241	16	Minor	IEC 2	U2	939	72.93505272	27.90289184
1215	Single Cell Hotspot	3	1	1	47.3391	57.3417015	10.0026016	16	Moderate	IEC 2	L7	939	72.93510431	27.90287567
1216	Single Cell Hotspot	3	1	1	46.193001	57.3857002	11.1927185	16	Moderate	IEC 2	U4	939	72.93507372	27.90289202
1217	Single Cell Hotspot	3	1	1	48.106998	60.3965988	12.2895889	13	Moderate	IEC 2	L10	909	72.93482306	27.90287187
1218	Single Cell Hotspot	3	1	1	48.653	57.2347984	8.58181763	14	Minor	IEC 2	L2	909	72.93484426	27.90287172
1219	Single Cell Hotspot	3	1	1	49.135601	59.5730019	10.4374275	12	Moderate	IEC 2	U8	909	72.93469775	27.9028847
1220	Single Cell Hotspot	3	1	1	43.895901	66.3591995	22.4632874	11	Critical	IEC 2	U8	909	72.93459388	27.90288505
1221	Single Cell Hotspot	3	1	1	44.370701	55.9844017	11.6136971	11	Moderate	IEC 2	L5	909	72.93456281	27.90286834
1222	Single Cell Hotspot	3	1	1	43.032398	53.0756989	10.0432701	11	Moderate	IEC 2	L3	909	72.93454162	27.90286844
1223	Single Cell Hotspot	3	1	1	47.111698	57.1879997	10.0763207	1	Moderate	IEC 2	L10	909	72.93458274	27.90293025
1224	Single Cell Hotspot	3	1	1	42.558498	56.8148994	14.2563705	6	Moderate	IEC 2	U4	939	72.93504174	27.90295465
1225	Single Cell Hotspot	3	1	1	42.6134	56.7565002	14.1431084	7	Moderate	IEC 2	U1	939	72.93511508	27.90295586
1226	Single Cell Hotspot	3	1	1	49.7285	67.5091019	17.7806091	10	Moderate	IEC 2	L5	919	72.93546972	27.90294441
1227	Single Cell Hotspot	3	1	1	50.9366	59.7602005	8.82355499	10	Minor	IEC 2	L8	919	72.93550097	27.90294472
1228	Single Cell Hotspot	4	3	1	48.7085	58.424099	9.7155838	11	Minor	IEC 2	U4	909	72.93453589	27.90143014
1229	Single Cell Hotspot	6	2	1	48.137699	57.1343994	8.99674606	10	Minor	IEC 2	U2	902	72.93418477	27.90186717
1230	String Offline	2	3	2	38.8643	62.3046989	23.4403687	14	Critical	IEC 2	U1 to U 10 an	909	72.93499282	27.90117543
1231	String Offline	5	5	1	36.768902	59.3203011	22.5513992	10	Critical	IEC 2	U1 to U 10 an	909	72.93512306	27.90010029
1232	Multi Cell Hotspot	3	1	1	38.487202	80.6643982	42.1772118	3	Critical	Uncategorized	U1	909	72.9346976	27.90294734
1233	Multi Cell Hotspot	3	1	1	42.413399	63.1492004	20.7358398	4	Moderate	Uncategorized	L5	909	72.93484348	27.90293386
1234	Multi Cell Hotspot	3	1	1	46.816898	62.9504013	16.1335716	3	Moderate	Uncategorized	L4	909	72.9349384	27.90293552
1235	Multi Cell Hotspot	4	1	1	44.7953	63.3524017	18.5571098	3	Moderate	Uncategorized	U3	939	72.93537707	27.9028965

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1236	Multi Cell Hotspot	3	1	1	41.2038	85.2133026	44.0095139	11	Critical	Uncategorized	U6	909	72.93457325	27.90288512
1237	Multi Cell Hotspot	5	1	1	45.506699	80.2326965	34.7260284	3	Critical	Uncategorized	L1	909	72.9347936	27.90274512
1239	Multi Cell Hotspot	5	1	1	42.939301	69.8126984	26.873333	16	Critical	Uncategorized	U10	939	72.93523128	27.90270435
1240	Multi Cell Hotspot	4	1	1	43.498501	64.2884979	20.789917	10	Moderate	Uncategorized	U7	939	72.93513666	27.90282997
1241	Multi Cell Hotspot	5	1	1	44.479198	68.6567993	24.1775513	9	Critical	Uncategorized	U10	919	72.93551333	27.90277184
1242	Multi Cell Hotspot	6	1	1	46.366402	61.7617989	15.3954086	4	Moderate	Uncategorized	L1	919	72.93555569	27.90269277
1243	Multi Cell Hotspot	5	1	1	45.364101	92.5206986	47.1565361	13	Critical	Uncategorized	L5	909	72.93486717	27.9026819
1244	Multi Cell Hotspot	6	1	1	44.751701	58.7952995	14.0435638	7	Moderate	Uncategorized	U3	909	72.93487798	27.90263485
1245	Multi Cell Hotspot	6	1	1	45.682701	72.6275024	26.9447937	7	Critical	Uncategorized	U4	909	72.93488863	27.90263507
1246	Multi Cell Hotspot	7	1	1	41.196999	78.1088028	36.9118347	1	Critical	Uncategorized	U10	939	72.93519378	27.9025766
1247	Multi Cell Hotspot	7	1	1	44.349499	65.5728989	21.2233238	5	Critical	Uncategorized	U10	939	72.9352251	27.90251482
1248	Multi Cell Hotspot	7	1	1	45.278	59.0755005	13.7974892	3	Moderate	Uncategorized	L10	939	72.93540282	27.90256376
1249	Multi Cell Hotspot	7	1	1	41.952999	66.5223007	24.5693131	8	Critical	Uncategorized	L10	919	72.9355377	27.90250099
1250	Multi Cell Hotspot	7	1	1	44.029099	60.3219986	16.2929192	15	Moderate	Uncategorized	L9	919	72.93566422	27.90244077
1251	Multi Cell Hotspot	7	1	1	44.898899	59.2120018	14.3130531	16	Moderate	Uncategorized	L1	919	72.93568496	27.90244079
1252	Multi Cell Hotspot	6	1	2	43.645199	69.3348007	25.6895981	6	Critical	Uncategorized	U5	939	72.93534152	27.90238916
1253	Multi Cell Hotspot	6	1	2	43.412399	62.1209984	18.7086372	9	Moderate	Uncategorized	L7	909	72.93487285	27.90230207
1255	Multi Cell Hotspot	6	1	2	40.959702	60.5973015	19.6376267	14	Moderate	Uncategorized	U9	939	72.93541492	27.90232837
1256	Multi Cell Hotspot	7	1	2	47.330898	68.9281998	21.5973663	7	Critical	Uncategorized	L6	939	72.9353123	27.90224592
1257	Multi Cell Hotspot	7	1	2	42.629799	61.3666	18.7367325	9	Moderate	Uncategorized	U5	919	72.9355106	27.9022648
1258	Multi Cell Hotspot	4	2	2	47.2621	66.7783966	19.5163231	1	Moderate	Uncategorized	L6	919	72.93583336	27.90225381
1259	Multi Cell Hotspot	7	2	1	42.366402	57.8642006	15.4978409	5	Moderate	Uncategorized	U9	919	72.93592694	27.90214703
1260	Multi Cell Hotspot	5	2	2	42.7295	80.0269013	37.297451	6	Critical	Uncategorized	L6	919	72.93596028	27.90200271
1261	Multi Cell Hotspot	7	2	1	44.8629	73.5673981	28.7044373	6	Critical	Uncategorized	L8	939	72.93542811	27.90205747
1262	Multi Cell Hotspot	4	2	2	45.083099	84.7209015	39.6377983	2	Critical	Uncategorized	L9	909	72.93495687	27.90217811
1263	Multi Cell Hotspot	6	2	2	40.119801	85.129303	45.0095177	1	Critical	Uncategorized	U2	939	72.93546213	27.90188492
1264	Multi Cell Hotspot	7	2	2	46.294998	61.8160019	15.5210648	8	Moderate	Uncategorized	U6	919	72.93587985	27.90176581
1265	Multi Cell Hotspot	7	2	2	43.7286	62.7859993	19.0574799	7	Moderate	Uncategorized	L8	919	72.93579688	27.90174678
1266	Multi Cell Hotspot	7	2	2	48.435101	74.9126968	26.4775696	8	Critical	Uncategorized	L10	919	72.93571266	27.90174473
1267	Multi Cell Hotspot	7	2	2	44.705002	64.8322983	20.127285	6	Moderate	Uncategorized	L7	919	72.93568163	27.90174459
1268	Multi Cell Hotspot	7	2	2	38.039101	63.2406998	25.2015686	11	Critical	Uncategorized	U5	939	72.93517244	27.90169138
1269	Multi Cell Hotspot	4	2	2	41.463001	62.6136017	21.1506043	1	Critical	Uncategorized	L6	939	72.93528623	27.90167463
1270	Multi Cell Hotspot	4	3	2	40.057999	59.3115997	19.2536087	10	Moderate	Uncategorized	L5	939	72.9352042	27.90161221

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1271	Multi Cell Hotspot	4	3	2	43.932301	59.3662987	15.4340744	10	Moderate	Uncategorized	L6	939	72.93521488	27.90161234
1272	Multi Cell Hotspot	4	3	2	42.757198	62.9597015	20.2025147	11	Moderate	Uncategorized	L1	939	72.93526683	27.90161247
1273	Multi Cell Hotspot	4	3	2	37.937302	67.9710007	30.0336571	16	Critical	Uncategorized	U1	919	72.93578851	27.90163723
1274	Multi Cell Hotspot	5	3	2	43.7089	67.1396027	23.4307175	10	Critical	Uncategorized	L2	919	72.9359352	27.90155923
1275	Multi Cell Hotspot	5	3	2	47.798801	66.4562988	18.6574745	8	Moderate	Uncategorized	L3	919	72.93573745	27.90155636
1276	Multi Cell Hotspot	5	3	2	41.896999	64.5014038	22.6043205	7	Critical	Uncategorized	L5	919	72.93565383	27.90155523
1277	Multi Cell Hotspot	5	3	2	40.394901	58.7317009	18.336731	3	Moderate	Uncategorized	L5	939	72.93523607	27.90155025
1278	Multi Cell Hotspot	7	3	1	42.0131	57.4528999	15.4398003	5	Moderate	Uncategorized	U3	939	72.93548875	27.90144177
1279	Multi Cell Hotspot	7	3	2	41.201599	60.0588989	18.8573761	2	Moderate	Uncategorized	U8	919	72.93557287	27.90137967
1280	Multi Cell Hotspot	7	3	2	42.244301	69.6601028	27.415844	3	Critical	Uncategorized	L4	919	72.93563587	27.90136459
1281	Multi Cell Hotspot	7	3	1	42.554798	66.3386002	23.7838326	8	Critical	Uncategorized	L3	919	72.93580124	27.90143133
1282	Multi Cell Hotspot	6	3	2	42.019501	63.6655006	21.6460152	3	Critical	Uncategorized	U6	919	72.93600147	27.90132499
1283	Multi Cell Hotspot	7	3	2	41.310101	59.2384987	17.9284096	8	Moderate	Uncategorized	U8	939	72.93539637	27.90131499
1284	Multi Cell Hotspot	6	3	2	40.519901	64.0942001	23.5743294	14	Critical	Uncategorized	U1	919	72.93594086	27.90113394
1285	Multi Cell Hotspot	6	3	2	41.843498	61.4995003	19.655983	13	Moderate	Uncategorized	L6	919	72.93588932	27.90111632
1286	Multi Cell Hotspot	5	4	2	43.229301	64.7581024	21.5287705	3	Critical	Uncategorized	L10	919	72.93578667	27.90098932
1287	Multi Cell Hotspot	5	4	2	37.273201	66.9580002	29.6847954	10	Critical	Uncategorized	U10	919	72.93571394	27.90093862
1288	Multi Cell Hotspot	5	4	2	36.5103	79.5821991	43.0718994	9	Critical	Uncategorized	L4	939	72.93554798	27.90091857
1289	Multi Cell Hotspot	7	3	2	45.541698	66.8395996	21.2979736	6	Critical	Uncategorized	U5	919	72.93596017	27.9013869
1290	Multi Cell Hotspot	6	3	2	40.108101	54.0231018	13.9149323	3	Moderate	Uncategorized	U2	919	72.93595969	27.90132484
1291	Multi Cell Hotspot	5	4	2	41.309601	65.2827988	23.9732056	1	Critical	Uncategorized	L2	939	72.93549492	27.90098539
1292	Multi Cell Hotspot	5	4	2	46.660301	97.7628021	51.1025505	7	Critical	Uncategorized	U7	914	72.93617239	27.9010112
1293	Multi Cell Hotspot	7	4	1	46.2276	67.2699966	21.0424614	2	Critical	Uncategorized	L7	914	72.93613267	27.90086573
1294	Multi Cell Hotspot	6	4	2	33.701099	53.1110001	19.4099007	2	Moderate	Uncategorized	U1	919	72.93564539	27.9006888
1295	Multi Cell Hotspot	7	4	2	48.8088	70.6620026	21.8531265	5	Critical	Uncategorized	L8	914	72.93616766	27.90061514
1296	Multi Cell Hotspot	7	4	2	50.010799	71.4992981	21.4884605	6	Critical	Uncategorized	L4	914	72.93623064	27.90061621
1297	Multi Cell Hotspot	7	4	2	44.1381	63.4467011	19.3085899	13	Moderate	Uncategorized	U5	914	72.93637724	27.90057135
1298	Multi Cell Hotspot	4	4	2	46.673901	75.788002	29.1141129	6	Critical	Uncategorized	U8	914	72.93654459	27.9005124
1299	Multi Cell Hotspot	4	4	2	45.101799	63.6278992	18.526104	6	Moderate	Uncategorized	L1	914	72.93647197	27.90049471
1300	Multi Cell Hotspot	4	5	2	45.686298	64.6968002	19.0104981	11	Moderate	Uncategorized	L9	914	72.9362743	27.90042787
1301	Multi Cell Hotspot	7	5	1	43.775902	74.0699005	30.2940102	2	Critical	Uncategorized	L2	914	72.93612918	27.90036192
1302	Multi Cell Hotspot	7	5	1	43.941299	63.4998016	19.5584869	1	Moderate	Uncategorized	U9	914	72.93609809	27.90037799
1303	Multi Cell Hotspot	7	4	2	42.268398	65.1593018	22.8909111	15	Critical	Uncategorized	L2	919	72.93575247	27.90048153

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1304	Multi Cell Hotspot	7	5	1	44.6077	66.5863037	21.9785194	4	Critical	Uncategorized	U8	914	72.93640002	27.90038337
1305	Multi Cell Hotspot	7	5	1	45.344101	65.178299	19.8342171	4	Moderate	Uncategorized	U6	914	72.93648383	27.90038479
1306	Multi Cell Hotspot	7	5	1	39.842098	67.7645035	27.9223328	11	Critical	Uncategorized	L7	914	72.93635076	27.90024019
1307	Multi Cell Hotspot	5	5	2	41.8652	63.6203995	21.7551842	1	Critical	Uncategorized	L2	914	72.93640232	27.90024075
1308	Multi Cell Hotspot	5	5	2	42.162998	66.6378021	24.4748192	2	Critical	Uncategorized	U4	914	72.93663181	27.90026113
1309	Multi Cell Hotspot	5	5	2	38.405102	74.0930023	35.6879463	7	Critical	Uncategorized	U5	914	72.93667447	27.90019786
1311	Multi Cell Hotspot	6	5	2	41.312	69.0963974	27.7844467	6	Critical	Uncategorized	U1	914	72.93607175	27.90006167
1312	Multi Cell Hotspot	7	5	2	37.2001	79.8229981	42.6229096	5	Critical	Uncategorized	U9	914	72.93611452	27.89993622
1313	Multi Cell Hotspot	7	5	2	36.616501	68.5401001	31.9236145	6	Critical	Uncategorized	U10	914	72.93622923	27.89993819
1314	Multi Cell Hotspot	7	5	2	41.677101	75.5358963	33.8588257	6	Critical	Uncategorized	L9	914	72.93621874	27.89992114
1315	Multi Cell Hotspot	7	5	2	42.494202	66.3694	23.8751831	7	Critical	Uncategorized	L2	914	72.93625107	27.89992179
1316	Multi Cell Hotspot	6	5	2	43.879902	71.0459976	27.1660538	13	Critical	Uncategorized	L2	914	72.93642795	27.89998853
1317	Multi Cell Hotspot	7	5	2	39.4771	57.1460991	17.6689835	13	Moderate	Uncategorized	U10	914	72.93615844	27.8998752
1318	Multi Cell Hotspot	2	1	1	45.966	64.5935974	18.6275711	12	Moderate	Uncategorized	L8	902	72.93383115	27.90266767
1319	Multi Cell Hotspot	2	1	1	46.2281	64.6897965	18.4616547	1	Moderate	Uncategorized	L2	902	72.9338739	27.90266655
1320	Multi Cell Hotspot	2	1	1	46.1423	62.1447983	16.002594	2	Moderate	Uncategorized	L4	902	72.93399817	27.90266947
1321	Multi Cell Hotspot	2	1	1	48.9855	68.7993012	19.813858	2	Moderate	Uncategorized	L6	902	72.93401915	27.90267021
1322	Multi Cell Hotspot	2	1	1	47.808399	83.3487015	35.5402832	13	Critical	Uncategorized	U8	902	72.93417697	27.90262471
1323	Multi Cell Hotspot	1	1	2	43.1796	63.7117996	20.5322266	3	Moderate	Uncategorized	U3	902	72.93335452	27.9024841
1324	Multi Cell Hotspot	1	1	2	39.4333	91.8108978	52.3775826	3	Critical	Uncategorized	U5	902	72.93337561	27.90248471
1325	Multi Cell Hotspot	3	1	2	45.161098	68.7582016	23.5971642	15	Critical	Uncategorized	L7	909	72.93450311	27.90235997
1326	Multi Cell Hotspot	4	1	2	44.304298	76.1317978	31.8274918	14	Critical	Uncategorized	U10	902	72.93446093	27.90231118
1327	Multi Cell Hotspot	4	1	2	43.024101	68.949997	25.9258499	12	Critical	Uncategorized	L10	902	72.93425217	27.9022923
1328	Multi Cell Hotspot	2	1	2	47.7901	66.2995987	18.5095291	6	Moderate	Uncategorized	L8	902	72.93354188	27.90240957
1329	Multi Cell Hotspot	2	1	2	45.705799	70.4626007	24.7568283	4	Critical	Uncategorized	U1	902	72.93326088	27.90242191
1330	Multi Cell Hotspot	2	1	2	42.458302	70.2873001	27.8289146	1	Critical	Uncategorized	U10	902	72.93304212	27.90241942
1331	Multi Cell Hotspot	5	1	2	45.788898	84.8799973	39.0910416	16	Critical	Uncategorized	U1	909	72.93460846	27.90225203
1332	Multi Cell Hotspot	1	2	1	44.395401	72.9550018	28.5595741	13	Critical	Uncategorized	U3	902	72.93434904	27.90218627
1333	Multi Cell Hotspot	2	2	1	46.779301	66.1184998	19.3392029	3	Moderate	Uncategorized	L9	902	72.93339939	27.90209101
1334	Multi Cell Hotspot	2	2	1	43.541599	64.8861008	21.3445168	12	Critical	Uncategorized	U6	902	72.93430631	27.90212157
1335	Multi Cell Hotspot	3	2	1	46.975899	61.0674019	14.0915337	13	Moderate	Uncategorized	L7	902	72.93445414	27.90204415
1336	Multi Cell Hotspot	3	2	1	43.234001	69.1041031	25.8700752	12	Critical	Uncategorized	L10	902	72.93437999	27.90204329
1337	Multi Cell Hotspot	4	2	1	41.963501	78.1996002	36.2361183	1	Critical	Uncategorized	U10	902	72.93326539	27.90197972

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1338	Multi Cell Hotspot	5	2	1	34.0965	57.9229012	23.8263435	1	Critical	Uncategorized	U9	902	72.93328669	27.90191798
1339	Multi Cell Hotspot	4	2	1	46.6642	74.928299	28.2640648	11	Critical	Uncategorized	L9	902	72.93429857	27.90197841
1340	Multi Cell Hotspot	1	2	2	43.147099	72.2814026	29.1342735	13	Critical	Uncategorized	U2	909	72.93453088	27.90180671
1341	Multi Cell Hotspot	6	2	1	44.925999	73.9325028	29.0064774	16	Critical	Uncategorized	U2	909	72.93481117	27.90187589
1342	Multi Cell Hotspot	6	2	1	44.784	72.0178986	27.2339287	10	Critical	Uncategorized	L6	902	72.93422625	27.90185126
1343	Multi Cell Hotspot	1	2	2	42.786499	63.5705986	20.7841492	5	Moderate	Uncategorized	L8	902	72.93375813	27.9017801
1344	Multi Cell Hotspot	6	2	1	43.034698	68.4440002	25.4092712	2	Critical	Uncategorized	L1	902	72.93334007	27.90183705
1345	Multi Cell Hotspot	2	2	2	41.820702	68.9449997	27.1243515	1	Critical	Uncategorized	L9	902	72.93338279	27.90171013
1346	Multi Cell Hotspot	3	2	2	46.641998	65.3454971	18.7034683	5	Moderate	Uncategorized	L10	902	72.9338439	27.9016542
1347	Multi Cell Hotspot	1	3	1	39.479801	81.8716965	42.3919487	1	Critical	Uncategorized	L2	902	72.93337589	27.90158201
1348	Multi Cell Hotspot	2	3	1	43.651901	62.3016014	18.6497459	1	Moderate	Uncategorized	L4	902	72.93342767	27.90152195
1349	Multi Cell Hotspot	3	3	1	46.869202	75.8964996	29.0273285	11	Critical	Uncategorized	U8	909	72.93454543	27.90149227
1350	Multi Cell Hotspot	2	3	1	44.693401	68.5345001	23.8410912	10	Critical	Uncategorized	U9	902	72.93441808	27.90155378
1351	Multi Cell Hotspot	1	3	1	45.3442	76.9983978	31.6541443	15	Critical	Uncategorized	U2	909	72.93483683	27.90162374
1352	Multi Cell Hotspot	3	2	2	51.413399	82.1368027	30.7233696	15	Critical	Uncategorized	L10	909	72.93488874	27.90166969
1353	Multi Cell Hotspot	3	2	2	47.390598	64.834198	17.4436264	16	Moderate	Uncategorized	L3	909	72.93491969	27.90167064
1354	Multi Cell Hotspot	2	3	1	44.985901	64.1791992	19.1933518	16	Moderate	Uncategorized	U3	909	72.93498267	27.9015625
1355	Multi Cell Hotspot	3	3	1	43.037498	71.1102982	28.0728264	16	Critical	Uncategorized	U7	939	72.93505644	27.90150012
1356	Multi Cell Hotspot	4	3	1	43.733101	65.106102	21.3730469	13	Critical	Uncategorized	U5	909	72.93475509	27.90143285
1357	Multi Cell Hotspot	5	3	1	40.297001	65.2815018	24.9845467	13	Critical	Uncategorized	U9	909	72.93482921	27.90137149
1358	Multi Cell Hotspot	5	3	1	36.106998	66.6852036	30.5782013	11	Critical	Uncategorized	U3	909	72.93455822	27.90136752
1359	Multi Cell Hotspot	5	3	1	37.619801	62.276001	24.6561165	11	Critical	Uncategorized	L1	909	72.93453837	27.90135038
1360	Multi Cell Hotspot	5	3	1	39.1469	75.4026032	36.2557373	10	Critical	Uncategorized	U5	902	72.93447359	27.90136606
1361	Multi Cell Hotspot	5	3	1	39.507401	62.8675995	23.3601952	10	Critical	Uncategorized	U1	902	72.93443202	27.90136527
1362	Multi Cell Hotspot	4	3	1	45.484001	75.0133972	29.529438	10	Critical	Uncategorized	L7	902	72.93446192	27.90141204
1363	Multi Cell Hotspot	5	3	1	47.509399	72.4028015	24.8934326	8	Critical	Uncategorized	L8	902	72.93429624	27.90134704
1364	Multi Cell Hotspot	5	3	1	41.731701	72.9890976	31.2573547	7	Critical	Uncategorized	L5	902	72.93416137	27.90134449
1365	Multi Cell Hotspot	5	3	1	41.455399	62.6290016	21.1735306	4	Critical	Uncategorized	U3	902	72.93382613	27.90135629
1366	Multi Cell Hotspot	6	3	1	45.996899	58.7092018	12.7123566	2	Moderate	Uncategorized	U9	902	72.93371203	27.90129108
1367	Multi Cell Hotspot	6	3	1	35.695099	60.0228996	24.3278122	2	Critical	Uncategorized	U8	902	72.93370159	27.90129045
1368	Multi Cell Hotspot	3	3	2	41.952202	59.9239006	17.9717064	3	Moderate	Uncategorized	U8	902	72.93390317	27.9011036
1369	Multi Cell Hotspot	3	3	2	45.0266	88.4963989	43.4697876	4	Critical	Uncategorized	L8	902	72.93400795	27.90108832
1370	Multi Cell Hotspot	1	3	2	40.9706	91.3758011	50.4052239	6	Critical	Uncategorized	L4	902	72.93411069	27.90121691

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1371	Multi Cell Hotspot	3	3	2	44.8652	79.3506012	34.4854584	9	Critical	Uncategorized	L5	902	72.93449878	27.90109446
1372	Multi Cell Hotspot	3	3	2	43.146999	64.2350998	21.0881348	10	Critical	Uncategorized	U2	909	72.93457154	27.9011123
1373	Multi Cell Hotspot	3	3	2	39.6828	84.7068024	45.0240364	11	Critical	Uncategorized	U9	909	72.93474897	27.90111582
1374	Multi Cell Hotspot	1	4	1	35.5163	57.1311989	21.6148949	15	Critical	Uncategorized	U6	939	72.93520009	27.90099727
1375	Multi Cell Hotspot	1	4	1	42.555801	65.7611008	23.2052994	13	Critical	Uncategorized	L6	909	72.93499149	27.90097467
1376	Multi Cell Hotspot	1	4	1	43.472099	98.5354996	55.0634384	13	Critical	Uncategorized	U5	909	72.93498067	27.9009919
1377	Multi Cell Hotspot	2	4	1	44.251202	61.3536987	17.1024437	10	Moderate	Uncategorized	U6	909	72.93470946	27.90092458
1378	Multi Cell Hotspot	1	4	1	44.991901	67.6760025	22.6840935	10	Critical	Uncategorized	L4	909	72.93465702	27.90097071
1379	Multi Cell Hotspot	2	4	1	45.280701	65.4561997	20.1755714	9	Moderate	Uncategorized	U5	909	72.93459517	27.90092259
1380	Multi Cell Hotspot	2	4	1	43.967999	76.3376999	32.3696556	8	Critical	Uncategorized	U1	902	72.93444862	27.90091916
1381	Multi Cell Hotspot	2	4	1	44.433899	64.9462967	20.512394	6	Moderate	Uncategorized	U10	902	72.93433341	27.90091873
1382	Multi Cell Hotspot	2	4	1	47.0522	66.9731979	19.9209137	4	Moderate	Uncategorized	L8	902	72.93410425	27.90089772
1383	Multi Cell Hotspot	2	4	1	43.516399	79.3632965	35.8469544	3	Critical	Uncategorized	U10	902	72.93402064	27.90091298
1384	Multi Cell Hotspot	2	4	1	45.284199	59.3306007	14.0463715	3	Moderate	Uncategorized	L10	902	72.93402071	27.90089614
1385	Multi Cell Hotspot	2	4	1	44.769901	67.2612	22.4912758	1	Critical	Uncategorized	L5	902	72.93375997	27.90089245
1386	Multi Cell Hotspot	3	4	1	46.076801	63.3768005	17.299942	2	Moderate	Uncategorized	L5	902	72.93389686	27.90083119
1387	Multi Cell Hotspot	3	4	1	35.877899	78.9386978	43.0607681	3	Critical	Uncategorized	L2	902	72.9339705	27.90083019
1388	Multi Cell Hotspot	4	4	1	40.559399	78.9403	38.3809166	7	Critical	Uncategorized	U9	902	72.93449211	27.90079363
1389	Multi Cell Hotspot	4	4	1	43.4683	61.7526016	18.284256	8	Moderate	Uncategorized	L7	909	72.93457565	27.90077938
1390	Multi Cell Hotspot	3	4	1	48.504002	60.3129997	11.8090782	10	Moderate	Uncategorized	L5	909	72.93473179	27.90084489
1391	Multi Cell Hotspot	4	4	1	38.531601	66.3970032	27.8653984	11	Critical	Uncategorized	U8	909	72.93489918	27.90080057
1392	Multi Cell Hotspot	3	4	1	45.715698	68.7279968	23.0122757	11	Critical	Uncategorized	L3	909	72.93481561	27.90084698
1393	Multi Cell Hotspot	4	4	1	40.605301	66.3563004	25.7510605	13	Critical	Uncategorized	U9	939	72.9351182	27.90080485
1394	Multi Cell Hotspot	3	4	1	46.7761	79.4315033	32.6554375	15	Critical	Uncategorized	U8	939	72.93528468	27.90086927
1395	Multi Cell Hotspot	3	4	1	42.3311	72.0605011	29.7293778	16	Critical	Uncategorized	U1	939	72.93531585	27.90087021
1396	Multi Cell Hotspot	5	4	1	39.141102	69.3312988	30.1902428	5	Critical	Uncategorized	U10	902	72.93432587	27.90072778
1397	Multi Cell Hotspot	5	4	1	39.097	70.9176025	31.8205147	6	Critical	Uncategorized	U10	902	72.93442942	27.90073243
1398	Multi Cell Hotspot	5	4	1	43.640499	63.8810997	20.2406006	7	Moderate	Uncategorized	U10	902	72.93453477	27.90073111
1399	Multi Cell Hotspot	5	4	1	45.2202	63.4789009	18.2586327	8	Moderate	Uncategorized	U6	909	72.93459696	27.90073309
1400	Multi Cell Hotspot	5	4	1	42.959202	62.0139008	19.0546608	10	Moderate	Uncategorized	U6	909	72.93480588	27.90073555
1401	Multi Cell Hotspot	5	4	1	45.365299	69.3917999	24.0265007	12	Critical	Uncategorized	L7	909	72.93502596	27.90072347
1402	Multi Cell Hotspot	5	4	1	42.7374	58.3676987	15.6302872	13	Moderate	Uncategorized	U9	939	72.93515078	27.90074119
1403	Multi Cell Hotspot	5	4	1	43.941101	59.4188995	15.4778175	13	Moderate	Uncategorized	L3	939	72.93508895	27.9007234

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1404	Multi Cell Hotspot	6	4	1	37.483002	74.0482025	36.5651932	13	Critical	Uncategorized	U2	939	72.93511006	27.90067702
1405	Multi Cell Hotspot	6	4	1	44.592201	57.5481987	12.9559898	9	Moderate	Uncategorized	L10	909	72.93477537	27.90065637
1406	Multi Cell Hotspot	1	4	2	40.866901	68.2248001	27.357872	8	Critical	Uncategorized	U9	909	72.93469304	27.90060735
1407	Multi Cell Hotspot	6	4	1	40.836399	63.0505981	22.2141991	6	Critical	Uncategorized	U8	902	72.93444073	27.90066718
1408	Multi Cell Hotspot	1	4	2	42.428299	68.7545013	26.3261719	7	Critical	Uncategorized	L2	902	72.93451593	27.90058893
1409	Multi Cell Hotspot	1	4	2	45.446301	64.1183014	18.6719284	1	Moderate	Uncategorized	L9	902	72.93396263	27.90058246
1410	Multi Cell Hotspot	6	4	1	47.0616	80.2526016	33.1910439	1	Critical	Uncategorized	L7	902	72.93390895	27.9006413
1411	Multi Cell Hotspot	4	4	2	44.728802	71.7549973	27.0262718	4	Critical	Uncategorized	L8	902	72.93436206	27.90039779
1412	Multi Cell Hotspot	1	5	1	40.3092	77.8962021	37.5870132	14	Critical	Uncategorized	U3	939	72.93538532	27.9003665
1413	Multi Cell Hotspot	1	5	1	40.263599	60.5732002	20.3095818	13	Moderate	Uncategorized	U5	939	72.93530243	27.90036438
1414	Multi Cell Hotspot	2	5	1	44.801701	62.7845993	17.9828415	10	Moderate	Uncategorized	U8	909	72.93505217	27.900299
1415	Multi Cell Hotspot	2	5	1	38.2085	61.8339996	23.625473	10	Critical	Uncategorized	U1	909	72.93497956	27.90029738
1416	Multi Cell Hotspot	2	5	1	45.019402	59.4435997	14.4241524	5	Moderate	Uncategorized	L8	902	72.93453097	27.90027034
1417	Multi Cell Hotspot	2	5	1	41.805099	55.4766998	13.6715965	5	Moderate	Uncategorized	U2	902	72.93446808	27.90028536
1418	Multi Cell Hotspot	1	5	1	41.487301	77.2176971	35.7303467	1	Critical	Uncategorized	U8	902	72.93408078	27.90034463
1419	Multi Cell Hotspot	3	5	1	39.8363	58.0144005	18.1780472	6	Moderate	Uncategorized	L2	909	72.93460546	27.90020872
1420	Multi Cell Hotspot	3	5	1	44.795601	72.3255997	27.5300026	10	Critical	Uncategorized	L6	909	72.93506432	27.90021798
1421	Multi Cell Hotspot	3	5	1	43.235901	61.2340012	17.9981575	11	Moderate	Uncategorized	U9	939	72.93520029	27.9002369
1422	Multi Cell Hotspot	3	5	1	41.106499	91.5203018	50.4137917	12	Critical	Uncategorized	U4	939	72.93525197	27.90023816
1423	Multi Cell Hotspot	3	5	1	43.859501	57.3064003	13.4468422	15	Moderate	Uncategorized	L6	939	72.9355866	27.90022505
1424	Multi Cell Hotspot	3	5	1	48.815498	66.6785965	17.8631096	15	Moderate	Uncategorized	L7	919	72.93559705	27.90022521
1425	Multi Cell Hotspot	4	5	1	38.3974	58.9743996	20.5770187	16	Moderate	Uncategorized	U4	919	72.93570141	27.9001821
1426	Multi Cell Hotspot	4	5	1	45.271801	59.0194016	13.7475395	15	Moderate	Uncategorized	U4	919	72.93559711	27.90017929
1427	Multi Cell Hotspot	4	5	1	44.9944	64.3312988	19.3369598	12	Moderate	Uncategorized	L8	939	72.93532622	27.90015765
1428	Multi Cell Hotspot	5	5	1	41.916401	84.9800034	43.0635757	12	Critical	Uncategorized	U8	939	72.93535775	27.90011327
1429	Multi Cell Hotspot	4	5	1	47.048	70.0707016	23.0226708	10	Critical	Uncategorized	U10	939	72.93513777	27.90017211
1430	Multi Cell Hotspot	5	5	1	47.041901	59.7855988	12.7437439	1	Moderate	Uncategorized	U9	902	72.93422033	27.90009305
1431	Multi Cell Hotspot	1	5	2	41.4062	70.8796005	29.4734688	16	Critical	Uncategorized	U1	919	72.93576669	27.89999266
1432	Multi Cell Hotspot	2	5	2	44.0984	57.4286995	13.3302689	14	Moderate	Uncategorized	L2	939	72.93560257	27.89991148
1433	Multi Cell Hotspot	1	5	2	43.3993	93.6488037	50.2494621	13	Critical	Uncategorized	L7	939	72.93551721	27.89997035
1434	Multi Cell Hotspot	1	5	2	42.123699	62.8988991	20.7751579	11	Moderate	Uncategorized	L8	939	72.93531888	27.89996833
1435	Multi Cell Hotspot	6	5	1	47.4505	67.2337036	19.7831535	9	Moderate	Uncategorized	U10	909	72.93509859	27.90004508
1436	Multi Cell Hotspot	6	5	1	49.5522	65.7932968	16.2410622	10	Moderate	Uncategorized	L3	939	72.93513001	27.90002911

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1437	Multi Cell Hotspot	2	5	2	49.548401	71.8514023	22.303009	10	Critical	Uncategorized	L9	939	72.93525775	27.89990408
1438	Multi Cell Hotspot	2	5	2	44.954498	78.8610001	33.9064484	7	Critical	Uncategorized	U4	909	72.93489224	27.89991558
1439	Multi Cell Hotspot	1	5	2	45.2015	75.5332031	30.3316727	5	Critical	Uncategorized	L5	909	72.93466107	27.89995863
1440	Multi Cell Hotspot	2	5	2	45.846199	66.4408035	20.5945778	2	Moderate	Uncategorized	L9	902	72.93442246	27.89989188
1441	Multi Cell Hotspot	3	5	2	41.8036	78.2492981	36.445755	4	Critical	Uncategorized	L5	909	72.93462227	27.89983031
1442	Multi Cell Hotspot	3	5	2	43.045601	59.0718002	16.0262756	5	Moderate	Uncategorized	L7	909	72.93474714	27.89983232
1443	Multi Cell Hotspot	3	5	2	45.394901	61.2844009	15.8895149	6	Moderate	Uncategorized	L7	909	72.93485135	27.89983427
1444	Multi Cell Hotspot	3	5	2	40.489601	58.2793999	17.789772	11	Moderate	Uncategorized	U9	939	72.93539441	27.8998596
1445	Multi Cell Hotspot	3	5	2	39.771099	59.8400002	20.0688858	13	Moderate	Uncategorized	U5	939	72.93556177	27.89986316
1446	Multi Cell Hotspot	3	5	2	43.159901	73.351799	30.1919098	13	Critical	Uncategorized	L5	939	72.93556195	27.89984618
1447	Multi Cell Hotspot	1	1	1	43.045101	58.5723991	15.5273628	5	Moderate	Uncategorized	L7	902	72.93389408	27.90272992
1448	Multi Cell Hotspot	1	1	1	44.840302	58.5728989	13.7326622	5	Moderate	Uncategorized	L8	902	72.93390464	27.90273005
1449	Multi Cell Hotspot	1	1	1	46.642101	56.3278999	9.68583679	6	Minor	Uncategorized	L1	902	72.93393574	27.90273101
1450	Multi Cell Hotspot	4	1	2	47.2976	68.9997025	21.7021179	14	Critical	Uncategorized	U1	902	72.93436722	27.90230997
1451	Multi Cell Hotspot	3	1	2	40.169399	62.1311989	21.9618149	10	Critical	Uncategorized	U9	902	72.93400102	27.90236968
1452	Multi Cell Hotspot	3	1	2	40.320599	62.6127014	22.29216	7	Critical	Uncategorized	U2	902	72.93361618	27.90236547
1453	Multi Cell Hotspot	2	2	1	42.241501	64.0208969	21.7793922	2	Critical	Uncategorized	U8	902	72.93328448	27.90210611
1454	Multi Cell Hotspot	2	2	1	46.087399	62.8904991	16.8030663	16	Moderate	Uncategorized	L1	909	72.93467283	27.90211007
1455	Multi Cell Hotspot	3	2	1	43.458599	71.5491028	28.0905647	2	Critical	Uncategorized	U5	902	72.93328494	27.90204391
1456	Multi Cell Hotspot	5	2	1	40.622601	97.3834	56.760788	2	Critical	Uncategorized	L9	902	72.93339025	27.90190286
1457	Multi Cell Hotspot	4	2	1	37.403301	59.6323013	22.22892	12	Critical	Uncategorized	U10	902	72.93441261	27.90199721
1458	Multi Cell Hotspot	4	2	1	40.639801	60.9015999	20.2618027	15	Moderate	Uncategorized	U6	909	72.93468472	27.90200106
1459	Multi Cell Hotspot	4	2	1	40.703499	62.8740006	22.1705246	16	Critical	Uncategorized	L2	909	72.93474776	27.90198528
1460	Multi Cell Hotspot	2	2	2	46.153999	59.7933998	13.6393623	7	Moderate	Uncategorized	U8	902	72.93399867	27.90173602
1461	Multi Cell Hotspot	3	2	2	42.8092	65.0022965	22.1931	9	Critical	Uncategorized	L8	902	72.93424125	27.90165928
1462	Multi Cell Hotspot	1	3	1	43.8806	73.7022018	29.8215637	3	Critical	Uncategorized	U3	902	72.93359434	27.90160307
1463	Multi Cell Hotspot	1	3	1	43.932899	65.5187988	21.5859604	7	Critical	Uncategorized	U8	902	72.93406368	27.9016094
1464	Multi Cell Hotspot	2	3	1	47.3736	66.8215027	19.4478302	7	Moderate	Uncategorized	L8	902	72.93409571	27.90153112
1465	Multi Cell Hotspot	2	3	1	41.8479	57.4241982	15.5762978	2	Moderate	Uncategorized	L5	902	72.93354201	27.90152334
1466	Multi Cell Hotspot	5	3	1	42.421299	59.5223007	17.1009979	14	Moderate	Uncategorized	U9	909	72.93493292	27.90137175
1467	Multi Cell Hotspot	5	3	1	42.165501	64.7767029	22.6111374	1	Critical	Uncategorized	U10	902	72.93358605	27.90134996
1468	Multi Cell Hotspot	6	3	1	34.289799	80.6492996	46.3595429	3	Critical	Uncategorized	U1	902	72.93373342	27.90128846
1469	Multi Cell Hotspot	6	3	1	42.807999	58.8050995	15.9970589	5	Moderate	Uncategorized	U8	902	72.93401572	27.90129498

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1470	Multi Cell Hotspot	6	3	1	37.5434	55.9859009	18.4424667	8	Moderate	Uncategorized	U4	902	72.93428633	27.90129846
1471	Multi Cell Hotspot	6	3	1	43.6427	56.7507019	13.1079063	8	Moderate	Uncategorized	U7	902	72.93431799	27.90129866
1472	Multi Cell Hotspot	1	3	2	41.6064	63.3358994	21.7294884	12	Critical	Uncategorized	L7	909	72.93476864	27.90122742
1473	Multi Cell Hotspot	3	3	2	41.257801	55.0537987	13.7960358	6	Moderate	Uncategorized	L8	902	72.93421597	27.9010904
1474	Multi Cell Hotspot	3	3	2	43.476898	59.6335983	16.1567307	7	Moderate	Uncategorized	L5	902	72.93429002	27.90109121
1475	Multi Cell Hotspot	2	4	1	44.363201	91.6759033	47.3127022	16	Critical	Uncategorized	U2	939	72.93529366	27.9009331
1476	Multi Cell Hotspot	3	4	1	40.177799	62.6334992	22.4557686	11	Critical	Uncategorized	U10	909	72.93488813	27.90086439
1477	Multi Cell Hotspot	2	4	1	47.997601	57.8420982	9.8445015	10	Minor	Uncategorized	L8	909	72.93473027	27.90090847
1478	Multi Cell Hotspot	1	4	1	35.4118	61.1164017	25.7045364	3	Critical	Uncategorized	U2	902	72.93390502	27.90097369
1479	Multi Cell Hotspot	4	4	1	46.513901	60.9989014	14.4849167	3	Moderate	Uncategorized	L3	902	72.93401258	27.90076914
1480	Multi Cell Hotspot	4	4	1	46.054798	60.5527992	14.4979973	3	Moderate	Uncategorized	U6	902	72.93404341	27.90078721
1481	Multi Cell Hotspot	4	4	1	43.657299	54.6865997	11.0293465	4	Moderate	Uncategorized	U1	902	72.93409499	27.90078864
1482	Multi Cell Hotspot	5	4	1	42.343498	64.7257996	22.3823738	16	Critical	Uncategorized	L9	939	72.93546442	27.90073238
1483	Multi Cell Hotspot	6	4	1	44.139198	56.1941986	12.0550461	16	Moderate	Uncategorized	L10	939	72.93550667	27.90066753
1484	Multi Cell Hotspot	1	4	2	46.336102	68.5899963	22.2539024	12	Critical	Uncategorized	L7	939	72.93509008	27.90059658
1485	Multi Cell Hotspot	2	4	2	40.6917	53.3205986	12.6288567	1	Moderate	Uncategorized	U4	902	72.93394231	27.90053058
1486	Multi Cell Hotspot	2	5	1	45.551201	56.2766991	10.7255516	1	Moderate	Uncategorized	U6	902	72.93409209	27.90028195
1487	Multi Cell Hotspot	2	5	1	43.0541	54.0275993	10.9734268	1	Moderate	Uncategorized	U7	902	72.93410289	27.90028235
1488	Multi Cell Hotspot	1	5	1	47.7201	73.9083023	26.1881599	9	Critical	Uncategorized	U6	909	72.93489528	27.90035851
1489	Multi Cell Hotspot	1	5	1	43.375401	56.8823013	13.5069008	9	Moderate	Uncategorized	U10	909	72.93493694	27.90035917
1490	Multi Cell Hotspot	1	5	1	42.0247	65.4822006	23.4574738	11	Critical	Uncategorized	L4	909	72.93508287	27.90034497
1491	Multi Cell Hotspot	1	5	1	40.688202	57.6604004	16.9722824	15	Moderate	Uncategorized	U10	939	72.93556349	27.9003687
1492	Multi Cell Hotspot	3	5	1	47.716301	61.5238991	13.8075409	10	Moderate	Uncategorized	L2	909	72.93502276	27.90021769
1493	Multi Cell Hotspot	4	5	1	48.545799	57.0196991	8.4739151	8	Minor	Uncategorized	U2	909	72.93484608	27.90016879
1494	Multi Cell Hotspot	5	5	1	47.749802	67.0190964	19.2693024	4	Moderate	Uncategorized	L3	902	72.93447119	27.90008193
1495	Multi Cell Hotspot	5	5	1	46.729301	61.7472	15.0179443	2	Moderate	Uncategorized	L6	902	72.93429347	27.90007824
1496	Multi Cell Hotspot	6	5	1	47.589699	56.6228981	9.03319168	2	Minor	Uncategorized	U6	902	72.93432564	27.90003202
1497	Multi Cell Hotspot	6	5	1	45.731899	60.2384987	14.5066452	5	Moderate	Uncategorized	L4	909	72.93461842	27.90002086
1498	Multi Cell Hotspot	5	5	1	48.686699	57.6847	8.99800491	5	Minor	Uncategorized	U10	909	72.93464869	27.90010038
1499	Multi Cell Hotspot	5	5	1	42.150902	55.8294983	13.678566	13	Moderate	Uncategorized	U10	939	72.93548418	27.90011429
1500	Multi Cell Hotspot	5	5	1	48.408901	57.0484009	8.63946152	16	Minor	Uncategorized	U5	919	72.93574418	27.90011911
1501	Multi Cell Hotspot	1	5	2	47.752998	58.6874008	10.9344101	8	Moderate	Uncategorized	U5	909	72.93497395	27.89997962
1502	Multi Cell Hotspot	2	5	2	40.2341	59.5382004	19.3040543	4	Moderate	Uncategorized	L1	902	72.93454876	27.89989239

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1503	Multi Cell Hotspot	3	5	2	49.1441	53.4623985	4.31822586	2	Minor	Uncategorized	U6	902	72.9344235	27.89984404
1504	Multi Cell Hotspot	3	5	2	39.325199	65.4253006	26.1001015	4	Critical	Uncategorized	U9	909	72.93466336	27.89984794
1505	Multi Cell Hotspot	3	5	2	46.5658	55.6598015	9.09405518	12	Minor	Uncategorized	L3	939	72.93543609	27.89984383
1506	Multi Cell Hotspot	3	5	2	48.609299	55.2739983	6.66471863	12	Minor	Uncategorized	L9	939	72.93549898	27.89984487
1507	Multi Cell Hotspot	3	5	2	43.674801	56.2681999	12.5933495	15	Moderate	Uncategorized	U2	919	72.93573882	27.89986526
1508	Multi Cell Hotspot	7	5	2	45.423801	68.8917007	23.4679184	14	Critical	Uncategorized	U2	914	72.93617882	27.89987539
1509	Multi Cell Hotspot	7	5	2	39.575199	55.6153984	16.0401459	15	Moderate	Uncategorized	L5	914	72.93631578	27.89986049
1510	Multi Cell Hotspot	7	5	2	50.6278	59.9947014	9.36686707	9	Minor	Uncategorized	L5	914	72.93649098	27.89992601
1511	Multi Cell Hotspot	7	5	2	48.818001	59.0895996	10.2715454	10	Moderate	Uncategorized	L2	914	72.93656348	27.89992757
1512	Multi Cell Hotspot	7	5	2	42.853699	62.6707993	19.8171387	12	Moderate	Uncategorized	U3	914	72.9367818	27.89994739
1513	Multi Cell Hotspot	7	5	2	39.560699	61.0386009	21.4778633	12	Critical	Uncategorized	U7	914	72.93682363	27.89994826
1514	Multi Cell Hotspot	6	5	2	43.358898	62.6974983	19.3386307	11	Moderate	Uncategorized	L7	914	72.93665694	27.90005494
1515	Multi Cell Hotspot	7	5	1	49.737801	63.2458992	13.5080986	1	Moderate	Uncategorized	L8	914	72.93608763	27.90036158
1516	Multi Cell Hotspot	4	5	2	47.814098	61.4585991	13.6445236	3	Moderate	Uncategorized	L4	914	72.93622242	27.90042677
1517	Multi Cell Hotspot	7	4	1	41.3456	58.3941994	17.0486069	1	Moderate	Uncategorized	U3	914	72.93598653	27.90087927
1518	Multi Cell Hotspot	7	3	2	44.2813	56.3409996	12.0597878	4	Moderate	Uncategorized	U1	919	72.93570894	27.90138113
1519	Multi Cell Hotspot	5	3	2	48.095699	65.1680985	17.0723801	2	Moderate	Uncategorized	L8	919	72.9360699	27.90162529
1520	Multi Cell Hotspot	4	3	2	50.255402	60.2919998	10.0365868	9	Moderate	Uncategorized	U2	919	72.93607925	27.90170476
1521	Multi Cell Hotspot	4	3	2	45.1982	70.3450012	25.1467209	6	Critical	Uncategorized	L3	919	72.93577663	27.90168542
1522	Multi Cell Hotspot	4	3	2	48.699001	59.0217018	10.322628	4	Moderate	Uncategorized	U5	919	72.93558966	27.90169811
1523	Multi Cell Hotspot	4	2	2	42.7677	56.5395012	13.7717972	1	Moderate	Uncategorized	L9	939	72.93531732	27.90167426
1524	Multi Cell Hotspot	6	2	2	47.854	66.3117981	18.4577866	9	Moderate	Uncategorized	U7	939	72.93533768	27.90182083
1525	Multi Cell Hotspot	6	2	2	47.316898	72.4465027	25.1295738	7	Critical	Uncategorized	L3	939	72.93508797	27.90180018
1526	Multi Cell Hotspot	5	2	2	46.564602	62.7411995	16.1765938	14	Moderate	Uncategorized	L9	939	72.93522141	27.90186614
1527	Multi Cell Hotspot	6	2	2	48.046501	60.6422997	12.595768	2	Moderate	Uncategorized	L3	919	72.93557644	27.90187082
1528	Multi Cell Hotspot	5	2	2	47.492599	57.9276009	10.4350014	9	Moderate	Uncategorized	L9	919	72.93571131	27.90193534
1529	Multi Cell Hotspot	7	2	1	46.992901	54.1525002	7.15961075	1	Minor	Uncategorized	L6	919	72.93547932	27.90212198
1530	Multi Cell Hotspot	4	2	2	48.307899	56.5126991	8.20482254	11	Minor	Uncategorized	U6	919	72.93586367	27.90220738
1531	Multi Cell Hotspot	4	2	2	49.047199	62.8103981	13.7631989	10	Moderate	Uncategorized	L5	919	72.93575025	27.90218886
1532	Multi Cell Hotspot	7	1	2	46.5312	58.6002998	12.0690689	3	Moderate	Uncategorized	L10	909	72.93493582	27.90223958
1533	Multi Cell Hotspot	7	1	2	47.452	55.3507004	7.89875794	10	Minor	Uncategorized	U7	919	72.93563491	27.90226714
1534	Multi Cell Hotspot	7	1	1	48.6992	58.987999	10.2887344	12	Moderate	Uncategorized	U6	939	72.93531917	27.90245086
1535	Multi Cell Hotspot	7	1	1	46.5746	57.9448013	11.370121	11	Moderate	Uncategorized	L4	939	72.9351947	27.90243403

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1536	Multi Cell Hotspot	6	1	1	50.140099	56.6433983	6.50325775	14	Minor	Uncategorized	L10	919	72.93568056	27.90263137
1537	Multi Cell Hotspot	6	1	1	49.458599	58.4300995	8.97151947	8	Minor	Uncategorized	U10	939	72.9350539	27.90263857
1538	Multi Cell Hotspot	6	1	1	49.179501	59.8802986	10.7007713	1	Moderate	Uncategorized	L4	939	72.93527452	27.90268725
1539	Multi Cell Hotspot	4	1	1	47.094799	59.4926987	12.3978691	2	Moderate	Uncategorized	L4	939	72.93528234	27.90287829
1540	Multi Cell Hotspot	3	1	1	49.8442	58.9788017	9.13460159	8	Minor	Uncategorized	L5	939	72.93526093	27.90294123
1541	Multi Cell Hotspot	3	1	1	47.9935	56.9328995	8.93939972	10	Minor	Uncategorized	U3	919	72.93544861	27.90296093
1542	Multi Cell Hotspot	5	1	2	46.188202	63.9501991	17.761982	8	Moderate	Uncategorized	U9	902	72.93385582	27.90223874
1543	Multi Cell Hotspot	4	3	2	48.9445	63.162899	14.2183991	8	Moderate	Uncategorized	U4	919	72.9359961	27.90170383
1544	Multi Cell Hotspot	2	4	1	42.643002	91.824997	49.1820183	6	Critical	Uncategorized	U6	902	72.93429198	27.90091759
1545	Bypass Diode	4	1	1	42.057999	59.3186989	17.2607613	6	Moderate	IEC 3	U1	909	72.93465664	27.90282228
1546	Bypass Diode	7	1	1	42.9865	55.7988014	12.8122559	4	Moderate	IEC 3	U4	939	72.93544412	27.90258131
1547	Bypass Diode	7	1	1	45.785099	58.5180016	12.7328682	4	Moderate	IEC 3	L4	939	72.93544449	27.90256437
1548	Bypass Diode	7	2	2	42.600601	57.9560013	15.355423	11	Moderate	IEC 3	U6	919	72.93572941	27.90226836
1549	Bypass Diode	7	2	1	38.433601	57.4261017	18.9925118	3	Moderate	IEC 3	U8	919	72.93570758	27.90214325
1550	Bypass Diode	4	2	2	43.571301	57.5937996	14.0224876	13	Moderate	IEC 3	U6	939	72.93506153	27.90213357
1551	Bypass Diode	4	3	2	45.443001	59.0948982	13.6519508	7	Moderate	IEC 3	L9	919	72.93594341	27.90168609
1552	Bypass Diode	7	2	2	44.749001	59.7262993	14.9773407	8	Moderate	IEC 3	U3	919	72.93584851	27.90176483
1553	Bypass Diode	5	3	2	42.412498	58.6874008	16.2748909	4	Moderate	IEC 3	U10	939	72.93528846	27.90156712
1554	Bypass Diode	5	3	2	43.472	56.3956986	12.9236603	13	Moderate	IEC 3	L5	939	72.93547747	27.90148909
1555	Bypass Diode	4	3	2	43.830101	55.1097984	11.2796974	10	Moderate	IEC 3	L7	939	72.93522501	27.90161187
1556	Bypass Diode	4	3	2	47.503101	59.8490982	12.3459358	15	Moderate	IEC 3	L5	919	72.93572561	27.90161904
1557	Bypass Diode	7	3	2	43.4142	60.8293991	17.4151802	6	Moderate	IEC 3	U9	919	72.93600293	27.90138755
1558	Bypass Diode	6	3	2	44.332001	66.447197	22.1152039	4	Critical	IEC 3	L3	914	72.93607502	27.9013091
1559	Bypass Diode	6	3	2	42.402401	61.2658005	18.8634529	7	Moderate	IEC 3	U10	914	72.93607595	27.90126265
1560	Bypass Diode	6	3	2	40.239399	56.646801	16.4074211	13	Moderate	IEC 3	U9	919	72.93591998	27.90113337
1561	Bypass Diode	5	4	2	46.819599	60.4464989	13.6269417	5	Moderate	IEC 3	L5	919	72.93594318	27.90099158
1562	Bypass Diode	5	4	2	38.767101	56.8041	18.0370255	13	Moderate	IEC 3	U7	914	72.9359959	27.90094332
1563	Bypass Diode	5	4	2	45.576199	56.4908981	10.9147682	14	Moderate	IEC 3	U7	914	72.9360999	27.90094534
1564	Bypass Diode	5	4	2	46.672798	61.5405998	14.8677559	7	Moderate	IEC 3	U5	914	72.93615126	27.90101073
1565	Bypass Diode	5	4	2	50.038898	62.5555	12.5166473	6	Moderate	IEC 3	U10	914	72.93609884	27.90101042
1566	Bypass Diode	7	4	1	43.969299	63.0280991	19.058815	4	Moderate	IEC 3	L8	914	72.93635172	27.90087011
1567	Bypass Diode	7	4	1	45.577999	60.7084007	15.1304016	8	Moderate	IEC 3	U2	914	72.93632134	27.90082362
1568	Bypass Diode	6	4	2	45.968399	63.4356995	17.4672737	8	Moderate	IEC 3	L9	914	72.93635454	27.90068145

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1569	Bypass Diode	6	4	2	46.5989	58.5831986	11.9842911	6	Moderate	IEC 3	U8	914	72.93623907	27.90069717
1570	Bypass Diode	6	4	2	45.952301	55.3428001	9.39044952	5	Minor	IEC 3	L8	914	72.93603066	27.9006775
1571	Bypass Diode	6	4	2	38.5438	57.9762993	19.4325371	5	Moderate	IEC 3	U1	914	72.93595778	27.9006934
1572	Bypass Diode	7	4	2	45.4706	58.9617996	13.4911842	8	Moderate	IEC 3	L1	919	72.93581429	27.90054397
1573	Bypass Diode	4	4	2	42.790699	56.9361992	14.1455421	1	Moderate	IEC 3	L8	914	72.93602359	27.90048502
1574	Bypass Diode	7	4	2	41.663601	55.8199005	14.1563683	10	Moderate	IEC 3	U3	914	72.93604327	27.90056457
1575	Bypass Diode	7	4	2	48.317501	58.3563995	10.0389252	11	Moderate	IEC 3	U3	914	72.93614807	27.90056659
1576	Bypass Diode	7	4	2	46.1129	60.3720017	14.2590485	11	Moderate	IEC 3	U6	914	72.93617939	27.90056728
1577	Bypass Diode	7	4	2	41.528301	58.9513016	17.4230003	12	Moderate	IEC 3	U8	914	72.93630393	27.90057023
1578	Bypass Diode	4	4	2	46.751499	60.3886986	13.6371269	3	Moderate	IEC 3	L3	914	72.93618036	27.90048924
1579	Bypass Diode	4	5	2	45.470501	59.7341995	14.2637253	11	Moderate	IEC 3	U6	914	72.93624286	27.9004437
1580	Bypass Diode	4	5	2	44.375301	60.4987984	16.1234093	13	Moderate	IEC 3	U2	914	72.9364098	27.90044737
1581	Bypass Diode	4	5	2	45.099602	61.4094009	16.3097916	13	Moderate	IEC 3	U7	914	72.9364619	27.90044828
1582	Bypass Diode	4	5	2	46.457298	61.5769005	15.1195488	14	Moderate	IEC 3	U7	914	72.93656586	27.90045015
1583	Bypass Diode	7	5	1	48.457401	62.9087982	14.4514732	4	Moderate	IEC 3	U6	914	72.93637943	27.90038301
1584	Bypass Diode	7	5	1	45.423199	58.8823013	13.4591484	4	Moderate	IEC 3	U9	914	72.93641045	27.90038364
1585	Bypass Diode	7	5	1	47.308498	62.8433991	15.5349464	4	Moderate	IEC 3	L8	914	72.93640041	27.90036605
1586	Bypass Diode	4	5	2	45.130199	57.2714996	12.1412773	16	Moderate	IEC 3	L9	914	72.9359937	27.90035965
1587	Bypass Diode	4	5	2	44.752998	54.1352005	9.38218689	15	Minor	IEC 3	L5	919	72.93584816	27.90035712
1588	Bypass Diode	4	4	2	40.9898	57.2475014	16.2576714	7	Moderate	IEC 3	U9	919	72.93585693	27.90043524
1589	Bypass Diode	7	5	1	43.681301	57.7001	14.0188255	7	Moderate	IEC 3	U4	914	72.93628681	27.90031802
1590	Bypass Diode	7	5	1	45.3414	62.0503998	16.7090035	10	Moderate	IEC 3	L10	914	72.9366627	27.90030822
1591	Bypass Diode	5	5	2	43.280602	57.7610016	14.4804306	2	Moderate	IEC 3	U3	914	72.93662125	27.90026109
1592	Bypass Diode	5	5	2	43.771801	60.6646004	16.8927651	5	Moderate	IEC 3	U3	914	72.93644508	27.90019496
1593	Bypass Diode	5	5	2	45.7267	59.5637016	13.8370094	1	Moderate	IEC 3	L5	914	72.93643413	27.90024057
1594	Bypass Diode	5	5	2	44.529099	58.8590012	14.3299599	2	Moderate	IEC 3	L4	914	72.93652788	27.90024271
1595	Bypass Diode	5	5	2	45.5732	62.4203987	16.8471222	11	Moderate	IEC 3	L5	914	72.93670688	27.90011913
1596	Bypass Diode	5	5	2	38.749001	60.7346001	21.9855995	11	Critical	IEC 3	U4	914	72.93669609	27.90013554
1597	Bypass Diode	5	5	2	42.902802	61.2507019	18.3478813	10	Moderate	IEC 3	U7	914	72.93662367	27.90013432
1598	Bypass Diode	6	5	2	38.612701	62.0513001	23.4386559	4	Critical	IEC 3	U10	914	72.93634172	27.90013003
1599	Bypass Diode	6	5	2	43.883598	61.6502991	17.7666969	3	Moderate	IEC 3	L10	914	72.93623792	27.90011114
1600	Bypass Diode	6	5	2	43.359001	59.519001	16.1599884	2	Moderate	IEC 3	L9	914	72.93612296	27.90010903
1601	Bypass Diode	7	5	2	43.254501	52.2756004	9.02105331	1	Minor	IEC 3	U4	914	72.93603146	27.89999955

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1602	Bypass Diode	7	5	2	43.7616	54.720501	10.958889	1	Moderate	IEC 3	L8	914	72.93607307	27.89998253
1603	Bypass Diode	7	5	2	44.969898	61.7596016	16.7897644	4	Moderate	IEC 3	L2	914	72.9363234	27.89998689
1604	Bypass Diode	7	5	2	42.480999	60.7984009	18.3173599	4	Moderate	IEC 3	U9	914	72.93639618	27.90000561
1605	Bypass Diode	6	5	2	42.6721	62.2933998	19.6212349	13	Moderate	IEC 3	U7	914	72.93647984	27.90000702
1606	Bypass Diode	7	5	2	41.0261	57.9886017	16.9624939	10	Moderate	IEC 3	U6	914	72.93660508	27.89994467
1607	Bypass Diode	7	5	2	48.229801	59.8473015	11.6175423	9	Moderate	IEC 3	L8	914	72.93652178	27.89992665
1608	Bypass Diode	7	5	2	43.327301	56.9914017	13.6641121	7	Moderate	IEC 3	U1	914	72.93624027	27.89993815
1609	Bypass Diode	6	5	2	46.128799	59.7691002	13.6403236	10	Moderate	IEC 3	L4	914	72.93652089	27.90005289
1610	Bypass Diode	6	5	2	43.445	61.3508987	17.9059067	9	Moderate	IEC 3	U5	914	72.93642677	27.9000673
1611	Bypass Diode	6	5	2	45.128502	62.4543991	17.3258591	9	Moderate	IEC 3	L2	914	72.93639599	27.90004961
1612	Bypass Diode	3	5	2	43.7332	55.7178993	11.9847794	7	Moderate	IEC 3	L6	909	72.93494581	27.89983453
1613	Bypass Diode	6	5	1	40.104099	54.9869995	14.8828621	14	Moderate	IEC 3	U7	939	72.93558856	27.90005401
1614	Bypass Diode	6	5	1	41.3004	54.8348999	13.5344887	11	Moderate	IEC 3	U9	939	72.9352969	27.90004884
1615	Bypass Diode	6	5	1	44.944099	60.2826996	15.3385582	8	Moderate	IEC 3	U4	909	72.93493134	27.90004186
1616	Bypass Diode	6	5	1	45.515301	57.6071014	12.0918655	8	Moderate	IEC 3	U5	909	72.93494152	27.90004201
1617	Bypass Diode	1	5	2	45.613098	57.387001	11.7739067	5	Moderate	IEC 3	L7	909	72.93468149	27.89995879
1618	Bypass Diode	6	5	1	47.729099	60.2375984	12.5085602	2	Moderate	IEC 3	L6	902	72.93432539	27.90001509
1619	Bypass Diode	6	5	1	45.5536	59.5770989	14.0234833	3	Moderate	IEC 3	L6	902	72.93443002	27.90001882
1620	Bypass Diode	4	5	1	44.360401	58.2649002	13.90448	14	Moderate	IEC 3	L6	939	72.93551398	27.90016106
1621	Bypass Diode	4	5	1	39.5867	56.8585014	17.2717743	14	Moderate	IEC 3	L1	939	72.93546166	27.90015973
1622	Bypass Diode	4	5	1	46.3134	59.7807999	13.4673958	7	Moderate	IEC 3	U6	909	72.93478337	27.90016852
1623	Bypass Diode	4	5	1	45.533298	59.4952011	13.9619179	6	Moderate	IEC 3	U9	909	72.93470984	27.90016727
1624	Bypass Diode	3	5	1	45.790199	56.5779991	10.7877731	7	Moderate	IEC 3	U5	909	72.93474047	27.90022805
1625	Bypass Diode	4	5	1	46.822201	58.4810982	11.6588821	6	Moderate	IEC 3	L4	909	72.9346582	27.90014867
1626	Bypass Diode	2	5	1	44.366501	57.5677986	13.2012558	6	Moderate	IEC 3	L4	909	72.93459358	27.90027227
1627	Bypass Diode	2	5	1	42.955601	58.5373993	15.58181	6	Moderate	IEC 3	L5	909	72.9346041	27.90027252
1628	Bypass Diode	2	5	1	44.005402	59.8240013	15.8185272	6	Moderate	IEC 3	L8	909	72.93463534	27.90027321
1629	Bypass Diode	2	5	1	44.8172	59.024601	14.2074432	7	Moderate	IEC 3	U8	909	72.93473951	27.90029286
1630	Bypass Diode	1	5	1	38.069	58.217701	20.1487312	16	Moderate	IEC 3	U9	919	72.93565678	27.90036996
1631	Bypass Diode	1	5	1	40.447701	56.0527992	15.6050758	14	Moderate	IEC 3	U10	939	72.93545795	27.90036811
1632	Bypass Diode	2	4	2	42.317799	54.9794006	12.661602	3	Moderate	IEC 3	U3	902	72.93414065	27.90053565
1633	Bypass Diode	2	4	2	40.819	56.8376999	16.0186806	5	Moderate	IEC 3	L10	902	72.93442262	27.90052407
1634	Bypass Diode	2	4	2	42.756302	57.7434998	14.9871903	8	Moderate	IEC 3	L5	909	72.93468401	27.9005275

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1635	Bypass Diode	2	4	2	46.1492	57.2602997	11.111183	12	Moderate	IEC 3	U9	939	72.9351427	27.90055267
1636	Bypass Diode	1	4	2	41.854401	58.5113983	16.6569939	16	Moderate	IEC 3	U5	939	72.9354865	27.90062009
1637	Bypass Diode	6	4	1	42.612301	56.3044014	13.6920395	3	Moderate	IEC 3	U3	902	72.93407609	27.90066286
1638	Bypass Diode	5	4	1	39.2272	57.9361992	18.7090035	1	Moderate	IEC 3	U2	902	72.93382555	27.90071868
1639	Bypass Diode	6	4	1	44.5891	56.0536003	11.4645081	4	Moderate	IEC 3	L4	902	72.93419073	27.90064824
1640	Bypass Diode	4	4	1	41.519501	55.4291	13.9096642	6	Moderate	IEC 3	U1	902	72.93430399	27.90079183
1641	Bypass Diode	4	4	1	44.580002	62.1211014	17.5411186	6	Moderate	IEC 3	L6	902	72.93435628	27.90077627
1642	Bypass Diode	4	4	1	45.1731	59.0265007	13.8533859	12	Moderate	IEC 3	L8	909	72.93500347	27.90078676
1643	Bypass Diode	6	4	1	43.194901	58.6576004	15.4627571	12	Moderate	IEC 3	L10	939	72.93508905	27.90066042
1644	Bypass Diode	5	4	1	44.013599	57.3448982	13.3313255	14	Moderate	IEC 3	L9	939	72.93525523	27.90072658
1645	Bypass Diode	5	4	1	40.914001	58.9485016	18.0344811	16	Moderate	IEC 3	U2	939	72.93539045	27.90074557
1646	Bypass Diode	4	4	1	40.852901	58.3851013	17.5322228	15	Moderate	IEC 3	U10	939	72.93533729	27.9008072
1647	Bypass Diode	2	4	1	42.804401	57.0713997	14.2669411	16	Moderate	IEC 3	L9	939	72.9353674	27.90091792
1648	Bypass Diode	1	4	1	48.118801	60.9458008	12.8269196	14	Moderate	IEC 3	L2	909	72.93505396	27.90097611
1649	Bypass Diode	1	4	1	43.759701	58.2677002	14.5080071	12	Moderate	IEC 3	U8	909	72.93490723	27.90099052
1650	Bypass Diode	1	4	1	42.986	56.4351997	13.4491806	9	Moderate	IEC 3	U7	909	72.93458401	27.90098736
1651	Bypass Diode	1	4	1	43.263401	57.1464005	13.8830223	8	Moderate	IEC 3	L3	902	72.93443797	27.90096744
1652	Bypass Diode	2	4	1	44.723801	59.4660988	14.7422295	7	Moderate	IEC 3	U3	902	72.93436543	27.90091699
1653	Bypass Diode	1	4	1	42.9273	57.0281982	14.1008453	7	Moderate	IEC 3	U4	902	72.93434349	27.90098402
1654	Bypass Diode	3	4	1	40.1996	54.1801987	13.9806213	1	Moderate	IEC 3	U7	902	72.93381312	27.90084617
1655	Bypass Diode	1	4	1	43.497501	54.2020989	10.7045746	1	Moderate	IEC 3	L8	902	72.93375909	27.90095498
1656	Bypass Diode	6	4	1	45.807999	68.764801	22.9567604	10	Critical	IEC 3	L4	909	72.93481772	27.90065653
1657	Bypass Diode	3	3	2	44.122501	56.5140991	12.3915901	11	Moderate	IEC 3	L5	909	72.9347075	27.90109838
1658	Bypass Diode	3	3	1	47.611599	59.9681015	12.3565331	4	Moderate	IEC 3	L1	902	72.93374166	27.90146266
1659	Bypass Diode	3	3	1	49.206902	64.7098007	15.5029106	4	Moderate	IEC 3	U8	902	72.93381436	27.90148051
1660	Bypass Diode	1	3	1	46.951099	61.4827995	14.5317078	14	Moderate	IEC 3	L9	909	72.93480487	27.90160556
1661	Bypass Diode	1	3	1	43.733299	57.8903999	14.1570435	12	Moderate	IEC 3	U4	909	72.93454382	27.90161874
1662	Bypass Diode	1	3	1	45.260399	58.1063004	12.8459129	10	Moderate	IEC 3	U2	902	72.9343141	27.90161486
1663	Bypass Diode	4	3	1	44.018299	57.0497017	13.0314636	7	Moderate	IEC 3	L7	902	72.9341491	27.90140509
1664	Bypass Diode	1	3	1	44.302898	61.6400986	17.3372498	6	Moderate	IEC 3	U2	902	72.93389666	27.90160773
1665	Bypass Diode	1	3	1	44.307999	61.911499	17.6035118	5	Moderate	IEC 3	U6	902	72.93383471	27.90160615
1666	Bypass Diode	3	2	2	40.078499	60.3390007	20.2605591	1	Moderate	IEC 3	L2	902	72.9333428	27.90164644
1667	Bypass Diode	1	3	1	46.453602	56.5999985	10.1464157	7	Moderate	IEC 3	L7	902	72.93405389	27.90159267

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1668	Bypass Diode	1	2	2	47.4366	59.7896004	12.3530464	6	Moderate	IEC 3	L6	902	72.93384112	27.90178117
1669	Bypass Diode	4	2	1	44.325401	59.5726013	15.2471237	4	Moderate	IEC 3	L6	902	72.93353642	27.90196707
1670	Bypass Diode	3	2	1	46.979401	58.7667999	11.7873306	11	Moderate	IEC 3	U8	902	72.93425524	27.90205838
1671	Bypass Diode	3	2	1	47.158001	60.0192986	12.8613548	7	Moderate	IEC 3	L6	902	72.93381742	27.90203431
1672	Bypass Diode	4	1	2	36.4706	58.8061981	22.3356056	2	Critical	IEC 3	L7	902	72.93317749	27.90227704
1673	Bypass Diode	4	1	2	43.4585	59.0854988	15.6270599	3	Moderate	IEC 3	U6	902	72.93327203	27.90229503
1674	Bypass Diode	2	2	1	45.662201	60.9791985	15.3170471	4	Moderate	IEC 3	L2	902	72.93343062	27.90209138
1675	Bypass Diode	1	2	1	41.008701	58.8075981	17.7989464	5	Moderate	IEC 3	L2	902	72.93350347	27.90215721
1676	Bypass Diode	2	1	2	41.8316	59.3806	17.5490112	1	Moderate	IEC 3	L5	902	72.93299017	27.90240174
1677	Bypass Diode	1	1	1	45.801201	58.1307983	12.3296547	4	Moderate	IEC 3	L8	902	72.9343935	27.90280111
1678	Bypass Diode	1	1	1	44.394501	58.5653992	14.1709251	3	Moderate	IEC 3	L10	902	72.93431045	27.90279975
1679	Bypass Diode	2	4	2	46.7761	55.9085999	9.13248825	10	Minor	IEC 3	U6	909	72.93490275	27.90054862
1680	Bypass Diode	4	2	1	47.0723	58.8381996	11.7658348	5	Moderate	IEC 3	U8	902	72.93366181	27.90198616
1681	Bypass Diode	3	2	1	46.507401	58.1884995	11.6810722	5	Moderate	IEC 3	L4	902	72.93358754	27.90203078
1682	Bypass Diode	3	3	2	41.5383	55.4938011	13.9555168	15	Moderate	IEC 3	L2	939	72.93509542	27.90110432
1683	Bypass Diode	2	4	2	43.6856	55.4562988	11.7706375	2	Moderate	IEC 3	U4	902	72.93404679	27.90053266
1684	Bypass Diode	5	5	1	42.1036	56.9471016	14.8434448	15	Moderate	IEC 3	L4	919	72.93563045	27.90009866
1685	Bypass Diode	4	5	2	45.840401	60.7146988	14.8743248	13	Moderate	IEC 3	L5	914	72.93644146	27.90043135
1686	Bypass Diode	5	4	2	46.147598	57.2330017	11.0853233	10	Moderate	IEC 3	U4	919	72.93565165	27.90093742
1687	Bypass Diode	7	3	2	45.916698	56.7389984	10.8222771	1	Moderate	IEC 3	U7	939	72.93545741	27.90137963
1688	Bypass Diode	4	3	2	48.2869	56.2355995	7.9487114	14	Minor	IEC 3	U9	919	72.93566321	27.90163507
1689	Bypass Diode	6	1	2	48.993301	55.0332985	6.04003525	15	Minor	IEC 3	L4	919	72.93546818	27.90231181
1690	Bypass Diode	6	1	2	47.525902	58.8210983	11.2951851	5	Moderate	IEC 3	L2	939	72.93520702	27.90236922
1691	Bypass Diode	7	1	1	48.6465	57.6584015	9.01190186	8	Minor	IEC 3	L1	939	72.93544428	27.90250046
1692	Bypass Diode	6	1	1	49.323101	58.5253983	9.20235062	1	Minor	IEC 3	U6	939	72.93529462	27.90270402
1693	Bypass Diode	5	1	1	49.780899	57.9821014	8.20121765	2	Minor	IEC 3	L7	909	72.93475051	27.90274272
1694	Bypass Diode	6	4	2	45.918598	62.7846985	16.8660355	6	Moderate	IEC 3	L1	914	72.93616631	27.90067922
1695	Bypass Diode	4	3	1	47.825699	60.0082016	12.1824684	16	Moderate	IEC 3	L6	939	72.93507834	27.90142004
1696	Bypass Diode	1	4	1	43.257301	58.3829002	15.1255684	14	Moderate	IEC 3	U10	939	72.93513663	27.9009951
1697	Bypass Diode	6	4	1	46.7658	61.6015015	14.8357544	12	Moderate	IEC 3	U4	909	72.93502625	27.90067658
1698	Bypass Diode	3	5	1	45.284199	61.1953011	15.9111366	4	Moderate	IEC 3	U3	902	72.93440597	27.90022315
1699	Bypass Diode	3	5	1	42.7794	60.6292	17.8498077	9	Moderate	IEC 3	U3	909	72.93492855	27.90023294
1700	Bypass Diode	7	4	2	40.956902	59.5788002	18.62183	16	Moderate	IEC 3	U8	914	72.93591876	27.90049946

ID	Anomalies	SMB	ICR_No	INV_No	Min Temp	Max Temp	Delta Temp	String_No	Severity Level	IEC_Category	Module_No	Irradiation	Long	Lat
1701	Bypass Diode	7	4	2	45.466202	60.2307015	14.7644463	2	Moderate	IEC 3	L1	919	72.93578222	27.90060612
1702	Bypass Diode	6	4	2	45.784599	63.2621002	17.4775505	9	Moderate	IEC 3	U9	914	72.936458	27.90069955
1703	Bypass Diode	7	2	1	43.625099	58.9054985	15.2803917	3	Moderate	IEC 3	U3	919	72.93565594	27.90214201
1704	Bypass Diode	5	2	1	46.117298	58.2569008	12.1396103	8	Moderate	IEC 3	U10	902	72.93402677	27.90192751
1705	Short Circuited Module	3	2	1	44.3839	79.6689987	35.2850685	6	Critical	IEC 2	L9	902	72.93374341	27.9020332
1706	Short Circuited Module	5	2	1	47.999001	80.7343979	32.7354317	15	Critical	IEC 2	L7	909	72.93472708	27.90192009
1707	Short Circuited Module	5	2	1	48.6735	88.3378983	39.6644211	11	Critical	IEC 2	L9	902	72.93433019	27.90191356
1708	Short Circuited Module	5	2	1	44.5606	70.6968994	26.1363373	9	Critical	IEC 2	L8	902	72.93411112	27.90191069
1709	Short Circuited Module	2	4	2	40.607101	55.1609001	14.5537911	1	Moderate	IEC 2	U3	902	72.93393176	27.90053035
1710	Short Circuited Module	1	5	2	46.318001	67.2061005	20.8880539	1	Moderate	IEC 2	L10	902	72.93429543	27.89995096
1711	Short Circuited Module	6	4	2	43.970699	73.2064972	29.235836	10	Critical	IEC 2	L1	914	72.93630323	27.90061767
1712	Short Circuited Module	7	3	2	43.530701	70.1595001	26.628788	5	Critical	IEC 2	L6	919	72.93586503	27.90136899
1713	Short Circuited Module	6	2	2	50.546501	75.2718964	24.7253914	5	Critical	IEC 2	L5	919	72.9359109	27.90187557