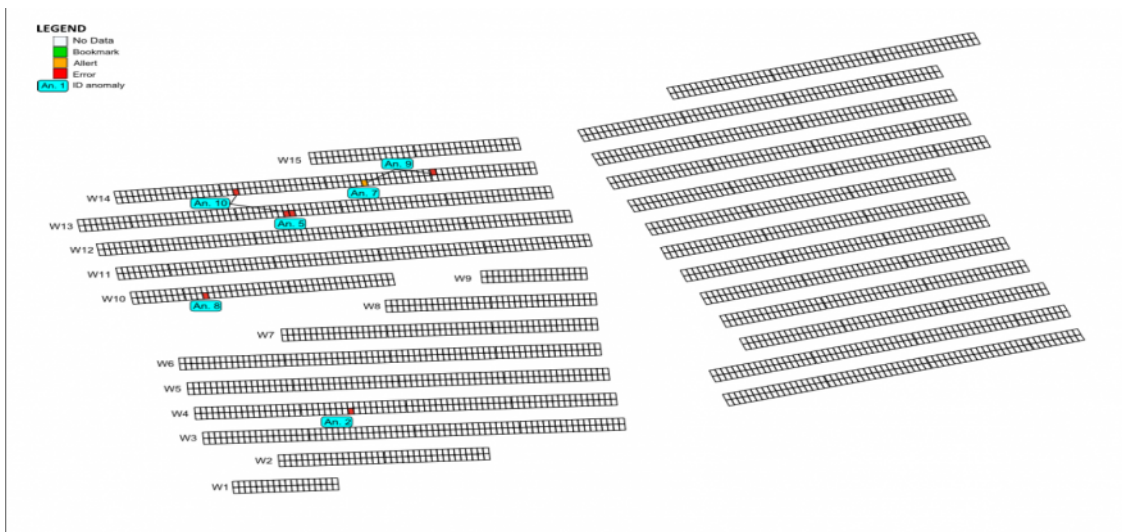


## Inspection Report

General information	
<b>name</b>	<i>TestLongEnoughName COMPANY</i>
<b>line1</b>	<i>3001 South King Dirve</i>
<b>line2</b>	<i>Apt215</i>
<b>City</b>	<i>Chicago</i>
<b>State</b>	<i>IL</i>
<b>Country</b>	<i>United State</i>
<b>Zipcode</b>	<i>60616</i>
<b>Total Failure</b>	<i>6</i>
<b>Tips</b>	<i>HAHAHA</i>

## Index map of detcted failures



## ***Summary***

*In summary, there 2 two parts: failure summary and environment summary. Failure Summary contains all detected failures from selected flight log. Environment Summary contains weather, detailed information (area, landform pictures).*

### ***Failure Summary***

Panel Label	Issue
CB-1.1-2.3	Cell Hotspot
CB-1.1-2.13	Defective Bypass Diode
CB-1.1-7.2	Connector or Fuse Issue
CB-1.3-9.14	Cell Hotspot
CB-1.4-15.14	Cell Hotspot
CB-1.7-10.13	Connector or Fuse Issue

## Environment Summary

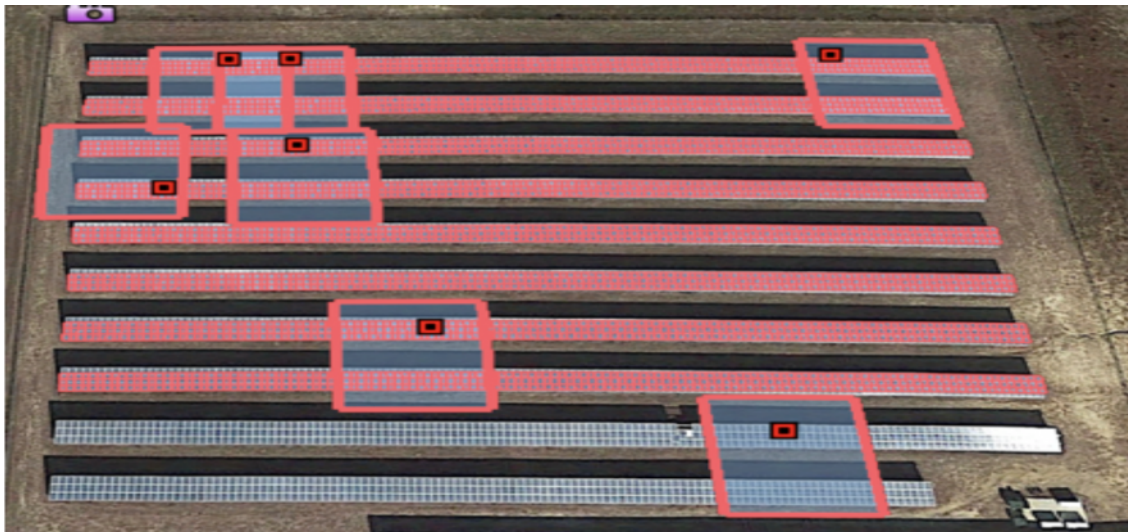
Weather Info	
general	Sunny
Temperature	23 °C
wind	10 mpf

Inspection Area Info	
MODULE MODEL	CHINA SUNERGY CSUN310-72P
MODULE STC DC RATING	310W
MODULES PER SOURCE CIRCUIT	19
TOTAL MODULE COUNT	8,436
TOTAL STC DC SYSTEM SIZE (KW)	2615.16
TOTAL AC SYSTEM SIZE (KW)	2000
INVERTER MODEL	(2) SOLECTRIA SGI 750XTM (750kW) AND (1) 500XTM (500kW)
RACKING SYSTEM	GAME CHANGE
MODULE TILT	25°
ARRAY AZIMUTH	180°
SITE LATITUDE	36°N

**Flight coverage map**



**Detailed coverage map**



## Detailed failure report

Panel Label	Latitude	Longitude
CB-1.1-2.3	3.602270e+01	-7.800910e+01
Video Time	Issue	Affected Nodes
6.798230e+00	Cell Hotspot	Add IN Future
Index Map Picture		



Panel Label	Latitude	Longitude
CB-1.1-2.13	3.602270e+01	-7.800899e+01
Video Time	Issue	Affected Nodes
8.815791e+00	Defective Bypass Diode	Add IN Future
Index Map Picture		





Panel Label	Latitude	Longitude
CB-1.1-7.2	3.602270e+01	-7.800805e+01
Video Time	Issue	Affected Nodes
3.034366e+01	Connector or Fuse Issue	Add IN Future
Index Map Picture		



Panel Label	Latitude	Longitude
CB-1.3-9.14	3.602246e+01	-7.800898e+01
Video Time	Issue	Affected Nodes
5.868599e+01	Cell Hotspot	Add IN Future
Index Map Picture		



Panel Label	Latitude	Longitude
CB-1.4-15.14	3.602235e+01	-7.800920e+01
Video Time	Issue	Affected Nodes
6.423668e+01	Cell Hotspot	Add IN Future
Index Map Picture		



Panel Label	Latitude	Longitude
CB-1.7-10.13	3.602202e+01	-7.800879e+01
Video Time	Issue	Affected Nodes
1.344385e+02	Connector or Fuse Issue	Add IN Future
Index Map Picture		



## Terms And Definition

Term	Definition
Mode Index expression	Based on user company rule. E.G.: CB-1.1-2.3. CB: combiner box, 1.1: Area 1 row 1, 2.3: Third of second line

<b>Hot spot</b>	<b>A module(s) identified to be warmer than others suggests the module is disconnected from the system (i.e., open circuited)</b>
<b>Defective Bypass Diode</b>	<b>Randomly heated cell patterns can suggest all bypass diodes have short circuited or that a module is incorrectly connected</b>
<b>Cracked</b>	<b>A module(s) identified obviously broken</b>
<b>Connector or Fuse Issue</b>	<b>Cells are identified to be cooler much more than others suggest the problems in Connector of Fuse Issue</b>

## Analysis

## Inspection Result

Errors	6
Inspected Modes	4873
Error Rate	0.123127436897



## Cell Hotspot

Def

