Drone Mapping Service Manual

3D Model Without Ground Control Points (GCP)

O-Pitblast Drone Mapping Servi





6th: Download your model: to import in O-Pitblast choose the option Textured Model (.obj). After that, you need to uncompress the file and use the .obj file.

🚯 Dashboard	Task of 2018-06-29T16:39:38.567Z		
9 GCP Interface	Potree 1.5RC		
Processing Nodes <	Textured Model		
API	Ownload Assets -		
Documentação	Share 2D		
Viewer tool box	<complex-block></complex-block>		



Some examples of available tools

3D Model With Ground Control Points (GCP)

Dashboard

Q GCP Interface

🗲 Processin	Nodes <	
📽 Administr	ção	
┛ API		
Document	ıção	
🌾 Customize	<	
1st: Go to GCP interface		



Ground Control Point Interface

GROUND CONTROL POINTS

► DIRECTIONS

Load existing Control Point File Choose images / drag here



Dashboard

GCP Interface

Processing Nodes

🎕 Administração

🔳 API

Documentação

🌾 Customize



Leaflet





Note: when this GCP is green it means that that is active!

drone.o-pitblast.com/plugins/posm-gcpi/node_modules/webodm-posm-gcpi/index.html#



Export file

GROUND CONTROL POINT FILE

+proj=utm +zone=55 +south +ellps=WGS84 +datum=WGS84 +units=m +no_defs

+proj=utm	+zone=55 + south + e	ellps=WGS84	+datum=WGS84 +units=m +no_defs
530207.50	7821914.21	41.649	2994.12 1764.71 DJI_0526.JPG LCP-02
530232.31	7821960.40	50.969	1052.94 2029.41 DJI_0526.JPG DCP-05
530230.08	7821969.76	51.575	2729.41 623.53 DJI_0526.JPG DCP-04
530257.01	7821991.83	51.597	2905.88 900.00 DJI_0526.JPG DCP-07
530252.74	7821970.83	52.107	3447.06 882.35 DJI_0526.JPG DCP-06
530189.84	7821990.51	42.581	2735.29 1194.12 DJI_0526.JPG LCP-01
530232.96	7821991.96	52.584	3188.24 1058.82 DJI_0526.JPG DCP-03
530214.88	7821994.90	42.414	3294.12 564.71 DJI_0526.JPG DCP-22
530235.27	7822011.72	52.988	3300.00 311.76 DJI_0526.JPG DCP-02
530252.01	7822022.60	52.22	2694.12 194.12 DJI_0526.JPG DCP-08
530203.51	7821872.77	42.06	2594.12 1635.29 DJI_0526.JPG BCH-042
530222.98	7822027.80	42.388	2100.00 341.18 DJI_0526.JPG DCP-23

Copy text with Ctrl / Cmd+C or

Save

Copy

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6th:Save the file

O-Pitblast Drone N	Mapping Service
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12th: Download your **georeferenced** model: to import in O-Pitblast choose the option Point Cloud (CSV)

Apex A

Prepare your GCP file to importation

Ficheiro Editar Formatar Ver Ajuda

WGS84 UTM 555

BCH-042,530203.512,7821872.773,42.06 BHC-064,530082.657,7822091.192,64.065 DCP-22,530214.878,7821994.898,42.414 DCP-23,530222.978,7822027.8,42.388 DCP-02,530235.272,7822011.724,52.988 DCP-03,530232.957,7821991.955,52.584 DCP-04,530230.081,7821969.758,51.575 DCP-05,530232.314,7821960.402,50.969 DCP-06,530252.735,7821970.83,52.107 DCP-07,530257.007,7821991.833,51.597 DCP-08,530252.005,7822022.598,52.22 DCP-01,530237.806,7822034.854,52.916 LCP-01,530189.843,7821990.507,42.581 LCP-02,530207.497,7821914.208,41.649 WBCP-,529938.94,7821549.544,25.1

String with defined coordinate system that you want to use. How to get it and how to use it? Follow the next steps.

What string should I use?



How I get the string?

search for	Export	Definition: PROJ.4		Open	Copy URL	Copy TEXT	Download	
"Export"	Well Known Text as HTML	+proj=tmerc +lat_0=39.66825833333333 +lor	n_0=-8.133108333	3333334 +k=	=1 +x_0=0 +y_0	=0 +ellps=GRS8	0 +towgs84=	
	OGC WKT	ξ						
	ESRI WKT							
	OGC GML			6 th : C	opy this str	ing		
	XML	5 th : Select the						
	PROJ.4	option Proj.4						
	Proj4js							
	USGS							
	GeoServer							
	MapServer							
	Mapnik							
	PostGIS							

How I get the string?

Ficheiro Editar Formatar Ver Ajuda

+proj=tmerc +lat_0=39.66825833333333 +lon_0=-8.1331083	333333334 +k=1 +x_0=0 +y_0=0 +ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs
BCH-042,530203.512,7821872.773,42.06	
BHC-064,530082.657,7822091.192,64.065	
DCP-22,530214.878,7821994.898,42.414	
DCP-23,530222.978,7822027.8,42.388	
DCP-02,530235.272,7822011.724,52.988	
DCP-03,530232.957,7821991.955,52.584	
DCP-04,530230.081,7821969.758,51.575	
DCP-05,530232.314,7821960.402,50.969	7 th : Paste on the first
DCP-06,530252.735,7821970.83,52.107	line of your txt the
DCP-07,530257.007,7821991.833,51.597	
DCP-08,530252.005,7822022.598,52.22	string that you copy
DCP-01,530237.806,7822034.854,52.916	
LCP-01,530189.843,7821990.507,42.581	Save the new file and it's all set to do the importation!
LCP-02,530207.497,7821914.208,41.649	save the new me and it's an set to do the importation:
WBCP-,529938.94,7821549.544,25.1	