			Tile: Similawii_v2 Help:ext
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4	Permit	me to intro	oduce myself
5	I CIMIL C	MC CO INCIC	radee myberr
6	116260.	cimedun nu	[-h] [framework FRAMEWORK] [mode MODE] [gpu GPU]
7	usage.	SIMI GWII. PY	
			[single_gpu_machine SINGLE_GPU_MACHINE] [nbands NBANDS]
8			[outname OUTNAME] [label_map_path LABEL_MAP_PATH]
9			[weight_dir WEIGHT_DIR] [weight_file WEIGHT_FILE]
10			[append_date_string APPEND_DATE_STRING]
11			[train_data_dir TRAIN_DATA_DIR]
12			[yolt_train_images_list_file YOLT_TRAIN_IMAGES_LIST_FILE]
13			[max batches MAX BATCHES] [batch size BATCH SIZE]
14			[train input width TRAIN INPUT WIDTH]
15			[train input height TRAIN INPUT HEIGHT]
16			[tf cfg train file TF CFG TRAIN FILE]
17			[train tf record TRAIN TF RECORD]
18			[train val tf record TRAIN VAL TF RECORD]
19			[yolt object labels str YOLT OBJECT LABELS STR]
20			
			[train_model_path TRAIN_MODEL_PATH]
21			[use_tfrecords USE_TFRECORDS]
22			[test_presliced_tfrecord_part_TEST_PRESLICED_TFRECORD_PART]
23			[test_presliced_list TEST_PRESLICED_LIST]
24			[testims_dir TESTIMS_DIR]
25			[slice_sizes_str SLICE_SIZES_STR]
26			[edge_buffer_test EDGE_BUFFER_TEST]
27			[max_edge_aspect_ratio MAX_EDGE_ASPECT_RATIO]
28			[slice_overlap SLICE_OVERLAP]
29			[nms overlap thresh NMS OVERLAP THRESH]
30			[test box rescale frac TEST BOX RESCALE FRAC]
31			[test slice sep TEST SLICE SEP]
32			[val df root init VAL DF ROOT INIT]
33			[val df root aug VAL DF ROOT AUG]
34			[test splitims locs file root TEST SPLITIMS LOCS FILE ROOT]
35			[test prep only TEST PREP ONLY] [BGR2RGB BGR2RGB]
36			[overwrite inference graph OVERWRITE INFERENCE GRAPH]
37			
			[min_retain_prob_MIN_RETAIN_PROB]
38			[test_add_geo_coords TEST_ADD_GEO_COORDS]
39			[yolt_nms_thresh YOLT_NMS_THRESH]
40			[plot_thresh_str PLOT_THRESH_STR]
41			[show_labels_SHOW_LABELS] [alpha_scaling_ALPHA_SCALING]
42			[show_test_plots SHOW_TEST_PLOTS] [save_json SAVE_JSON]
43			[rotate_boxes ROTATE_BOXES]
44			[plot_line_thickness PLOT_LINE_THICKNESS]
45			[n_test_output_plots N_TEST_OUTPUT_PLOTS]
46			[test_make_legend_and_title TEST_MAKE_LEGEND_AND_TITLE]
47			[test_im_compression_level TEST_IM_COMPRESSION_LEVEL]
48			[keep test slices KEEP TEST SLICES]
49			[shuffle val output plot ims SHUFFLE VAL OUTPUT PLOT IMS]
50			[yolt cfg file YOLT CFG FILE]
51			[subdivisions SUBDIVISIONS] [use opency USE OPENCY]
52			[boxes per grid BOXES PER GRID]
53			[building csv file BUILDING CSV FILE]
54			[train model path2 TRAIN MODEL PATH2]
55			[label map path2 LABEL MAP PATH2]
56			[weight_dir2 WEIGHT_DIR2] [weight_file2 WEIGHT_FILE2]
57			[slice_sizes_str2 SLICE_SIZES_STR2]
58			[plot_thresh_str2 PLOT_THRESH_STR2]
59			[inference_graph_path2 INFERENCE_GRAPH_PATH2]
60			[yolt_cfg_file2 YOLT_CFG_FILE2]
61			[val_df_root_init2 VAL_DF_ROOT_INIT2]
62			[val_df_root_aug2 VAL_DF_ROOT_AUG2]
63			[test_splitims_locs_file_root2 TEST_SPLITIMS_LOCS_FILE_ROOT2]
64			[val df root tot VAL DF ROOT TOT]
65			[val prediction df refine tot root part
			VAL PREDICTION DF REFINE TOT ROOT PART]

	File: simrawn_v2-neip.txt				
66	[multi band delim MULTI BAND DELIM]				
67	[zero frac thresh ZERO FRAC THRESH]				
68	[zero_frac_thresh zero_frac_thresh] [str delim STR DELIM]				
	[SCI_delim SIK_DELIM]				
69					
70	optional arguments:				
71	-h,help show this help message and exit				
72	framework FRAMEWORK				
73	object detection framework [yolt2, 'yolt3', ssd,				
74	faster rcnn]				
75	mode MODE [compile, test, train, test]				
76	gpu GPU GPU number, set < 0 to turn off GPU support				
77	single gpu machine SINGLE GPU MACHINE				
78	Switch to use a machine with just one gpu				
79	nbands NBANDS Number of input bands (e.g.: for RGB use 3)				
80	outname OUTNAME unique name of output				
81	label_map_path LABEL_MAP_PATH				
82	Object classes, /raid/local/src/simrdwn2/data/class_la				
83	bels airplane boat car.pbtxt				
84	weight dir WEIGHT DIR				
85	Directory holding trained weights				
86	weight file WEIGHT FILE				
87	Input weight file				
88	append_date_string APPEND_DATE_STRING				
89	Switch to append date to results filename				
90	train_data_dir TRAIN_DATA_DIR				
91	folder holding training image names, if empty				
92	simrdwn_dir/data/				
93	yolt train images list file YOLT TRAIN IMAGES LIST FILE				
94	file holding training image names, should be in				
95	simrdwn dir/data/				
96	max batches MAX BATCHES				
97	Max number of training batches				
98	batch size BATCH SIZE				
	- -				
99	Number of images per batch				
100	train_input_width TRAIN_INPUT_WIDTH				
101	Size of image to input to YOLT [n-boxes * 32: 415,				
102	544, 608, 896				
103	train input height TRAIN INPUT HEIGHT				
104	Size of image to input to YOLT				
105	tf cfg train file TF CFG TRAIN FILE				
106	Configuration file for training				
107	train tf record TRAIN TF RECORD				
108	tfrecord for training				
109	train val tf record TRAIN VAL TF RECORD				
110	tfrecord for test during training				
111	yolt_object_labels_str_YOLT_OBJECT_LABELS_STR				
112	yolt labels str: car,boat,giraffe				
113	train_model_path TRAIN_MODEL_PATH				
114	Location of trained model				
115	use_tfrecords USE_TFRECORDS				
116	Switch to use tfrecords for inference				
117	test presliced tfrecord part TEST PRESLICED TFRECORD PART				
118	Location of presliced training data tfrecord if empty				
119	us test presliced list				
120	test_presliced_list TEST_PRESLICED_LIST				
	Location of presliced training data list if empty, use				
121					
122	tfrecord				
123	testims_dir TESTIMS_DIR				
124	Location of test images (look within simrdwn_dir				
125	unless begins with /)				
126	slice_sizes_str SLICE_SIZES_STR				
127	Proposed pixel slice sizes for test, will be split				
128	into array by commas (e.g.: '0.2,0.3' =>				
129	[0.2,0.3])(Set to < 0 to not slice				
130	edge buffer test EDGE BUFFER TEST				
131	Buffer around slices to ignore boxes (helps with				
T) T	buffer around Sirces to Tynore boxes (nerps with				

--boxes_per_grid BOXES PER GRID

--subdivisions SUBDIVISIONS

--use opency USE OPENCY

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File: simrdwn_v2-help.txt	
truncated boxes and stitching) set <0 to turn off i	Ė
not slicing test ims	
max_edge_aspect_ratio MAX_EDGE_ASPECT_RATIO	
Max aspect ratio of any item within the above buffe	r
slice_overlap SLICE_OVERLAP	
Overlap fraction for sliding window in test	
nms_overlap_thresh NMS_OVERLAP_THRESH	
Overlap threshold for non-max-suppresion in python	
(set to <0 to turn off)	
test_box_rescale_frac TEST_BOX_RESCALE_FRAC	
Defaults to 1, rescale output boxes if training box	es
are the wrong size	
test_slice_sep TEST_SLICE_SEP	
Character(s) to split test image file names	
val_df_root_init VAL_DF_ROOT_INIT	
Results in dataframe format	
val df root aug VAL DF ROOT AUG	
Results in dataframe format	
test splitims locs file root TEST SPLITIMS LOCS FILE ROOT	
Root of test splitims locs file	
test prep only TEST PREP ONLY	
Switch to only prep files, not run anything	
BGR2RGB BGR2RGB Switch to flip training files to RGB from cv2 BGR	
overwrite inference graph OVERWRITE INFERENCE GRAPH	
Switch to always overwrite inference graph	
min_retain_prob_MIN_RETAIN_PROB	
minimum probability to retain for test	
test_add_geo_coords TEST_ADD_GEO_COORDS	
switch to add geo coords to test outputs	
yolt nms thresh YOLT NMS THRESH	
Defaults to 0.5 in yolt.c, set to 0 to turn off nms	in
C Section of the sect	T11
plot thresh str PLOT THRESH STR	
Proposed thresholds to try for test, will be split	
into array by commas (e.g.: '0.2,0.3' => [0.2,0.3])	
show_labels SHOW_LABELS	
Switch to use show object labels	
alpha_scaling ALPHA_SCALING	
Switch to scale box alpha with probability	
show_test_plots SHOW_TEST_PLOTS	
Switch to show plots in real time in test	
save_json SAVE_JSON	
Switch to save a json in test	
rotate_boxes ROTATE_BOXES	
Attempt to rotate output boxes using hough lines	
plot_line_thickness PLOT_LINE_THICKNESS	
Thickness for test output bounding box lines	
n_test_output_plots N_TEST_OUTPUT_PLOTS	
Switch to save test pngs	
test_make_legend_and_title TEST_MAKE_LEGEND_AND_TITLE	
Switch to make legend and title	
test im compression level TEST IM COMPRESSION LEVEL	
Compression level for output images. 1-9 (9 max	
compression	
keep test slices KEEP TEST SLICES	
Switch to retain sliced test files	
shuffle val output plot ims SHUFFLE VAL OUTPUT PLOT IMS	
Switch to shuffle images for plotting, if 0, images	
are sorted	
yolt cfg file YOLT CFG FILE	

File: simrdwn_v2-help.txt

198	Bounding boxes per grid cell
199	building csv file BUILDING CSV FILE
200	csv file for spacenet outputs
201	train model path2 TRAIN MODEL PATH2
202	Location of trained model
203	label map path2 LABEL MAP PATH2
204	Object classes
205	weight dir2 WEIGHT DIR2
206	Directory holding trained weights
207	weight file2 WEIGHT FILE2
208	Input weight file for second inference scale
209	slice sizes str2 SLICE SIZES STR2
210	Proposed pixel slice sizes for test2 == secondweight
211	file. Will be split into array by commas (e.g.:
212	'0.2,0.3' => [0.2,0.3])
213	plot thresh str2 PLOT THRESH STR2
214	Proposed thresholds to try for test2, will be split
215	into array by commas $(e.g.: '0.2, 0.3' \Rightarrow [0.2, 0.3])$
216	inference graph path2 INFERENCE GRAPH PATH2
217	Location of inference graph for tensorflow object
218	detection API
219	yolt cfg file2 YOLT CFG FILE2
220	YOLT configuration file for network, in cfg directory
221	val df root init2 VAL DF ROOT INIT2
222	Results in dataframe format
223	val df root aug2 VAL DF ROOT AUG2
224	Results in dataframe format
225	test_splitims_locs_file_root2 TEST_SPLITIMS_LOCS_FILE_ROOT2
226	Root of test_splitims_locs_file
227	val_df_root_tot VAL_DF_ROOT_TOT
228	Results in dataframe format
229	val_prediction_df_refine_tot_root_part VAL_PREDICTION_DF_REFINE_TOT_ROOT_PART
230	Refined results in dataframe format
231	multi_band_delim MULTI_BAND_DELIM
232	Delimiter for multiband data
233	zero_frac_thresh ZERO_FRAC_THRESH
234	If less than this value of an image chip is blank,
235	skip it
236	str_delim STR_DELIM
237	Delimiter for string lists
238	

Subdivisions per batch

1 == use opencv

Configuration file for network, in cfg directory