Timesheet Details by Team

Dugal Harris

Between July 22, 2017 and August 30, 2017

	Client	Project	Task	Notes	Hours	Billed
Harris, Dugal						
07/22/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Python script to re-project GCP's to import into PCI	3.00	yes
07/23/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	PCI orthorectification take 2	2.00	yes
07/24/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Debugging orthorectification - accuracy low	6.00	yes
07/25/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Warping with Arcmap	3.00	yes
07/27/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Re-processing inputs for correlation analysis	2.00	yes
07/28/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Preliminary correlation analysis	5.00	yes
08/02/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Acquire new level 1B image and pick new set of GCP's	5.00	yes
08/03/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Ceate sa geoid grid & convert ellipsoidal heights to sea level	3.00	yes
08/04/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Fixes to geoid grid	3.00	yes
08/05/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Orthorectify pan band, gather tie points for ms bands	6.00	yes
08/06/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Co-register multispectral and pan bands	3.00	yes
08/08/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Atmospheric correction of level1a image. Data analysis.	9.00	yes
08/09/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Preliminary regression analysis and visualisation. Correlation between carbon stock metrics and image features.	9.00	yes
08/10/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Continued regression analysis and visualisation	3.00	yes
08/11/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Generate plantable area map	2.00	yes
08/11/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Write Python visualisation code for regression scatter per class with thumbnails	4.00	yes
08/13/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Investigate effect of plot size and position on correlation. Try reverse engineer where in plots, single locations from MP's shapefile are.	8.00	yes
08/14/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Review results to date and generate graph for meeting	2.00	yes
08/14/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Planning ground truth methodology	1.00	yes
08/15/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Reviewing and explaining geolocation accuracy issues	2.00	yes
08/16/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Analysing SUDEM accuracy	8.00	yes
08/17/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Software development	Integrating pyqgis with pycharm/anaconda	3.00	yes
08/21/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Software development	Integrating Osgeo4w and Anaconda	3.00	yes

	Client	Project	Task	Notes	Hours	Billed
08/22/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Compare SUDEM anf SRTM accuracy. Transform GCP to EGM96, redo pan orthorectification.	5.00	yes
08/23/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Acquire and calibrate imagery	Investigating possibility of using NGI unrectified imagery to make DEM	2.00	yes
08/23/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Literature survey	Literature survey on biomass plot size and experiment design	3.00	yes
08/24/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Literature survey	Literature review of experiment design for remote sensing of biomass	4.00	yes
08/25/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Working out recommended sample sizes based on 2005 TAGC distribution	4.00	yes
08/27/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Simulate effect of larger plot sizes by aggregating MP 2005 plots	2.00	yes
08/27/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Literature survey	Literature survey on biomass experiment design and sample size	5.00	yes
08/28/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Visualisation of plot size effects	3.00	yes
08/28/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Q3 report	2.00	yes
08/29/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Generate plots and write Q3 report	7.00	yes
08/30/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Generating random points for CS trial. Visualise old degradation map and aerials for suitable intact areas.	6.00	yes
08/30/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Liase with CGA and NGI for acquring DEM data.	1.00	yes
Total					**139.00**	
ALL TOTAL					**139.00**	