



Universidade Presbiteriana

Mackenzie

Pró-Reitoria de Pesquisa e Pós-Graduação

Coordenadoria Geral de Pós-Graduação Stricto Sensu

University of Glasgow, School of Physics and Astronomy (UofG)

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Theme: The Cosmic Scale

Project: Space Weather

External IES: University of Glasgow, School of Physics and Astronomy (UofG),

Glasgow, UK

February 14-23, 2019

From February 14 to 23, 2019 we visited the University of Glasgow, UK (project partner) to work closely with Dr. Alexander MacKinnon, and with CAGE doctoral student Jordi Tuneu, who was doing a one-year stage in Glasgow. The objectives of the trip were: to correct the writing of an article (finally published, see: <https://ui.adsabs.harvard.edu/abs/2019SoPh..294..103T/abstract>) and analyze the progress of the doctoral dissertation of Jordi. The research project consists in the modeling of the emission of high energy particles produced by nuclear reactions during solar flares. From these models we can better understand the dynamics of solar flare and its consequences on the earth. WE also worked together with Dr. Hugh Hudson on a smartphone application for observing the eclipse of July 2, 2019 and an article on this *app* ([http://cienciahoy.org.ar/2019/05/sun-eclipses-mobile-phones-y-ciencia-ciudadana /](http://cienciahoy.org.ar/2019/05/sun-eclipses-mobile-phones-y-ciencia-ciudadana/))

Counterpart FAPESP 1: We took advantage of FAPESP's invitation to participate in FAPESP Week London (<http://www.fapesp.br/week2019/london/>) to make this trip. The airline tickets were paid by FAPESP.