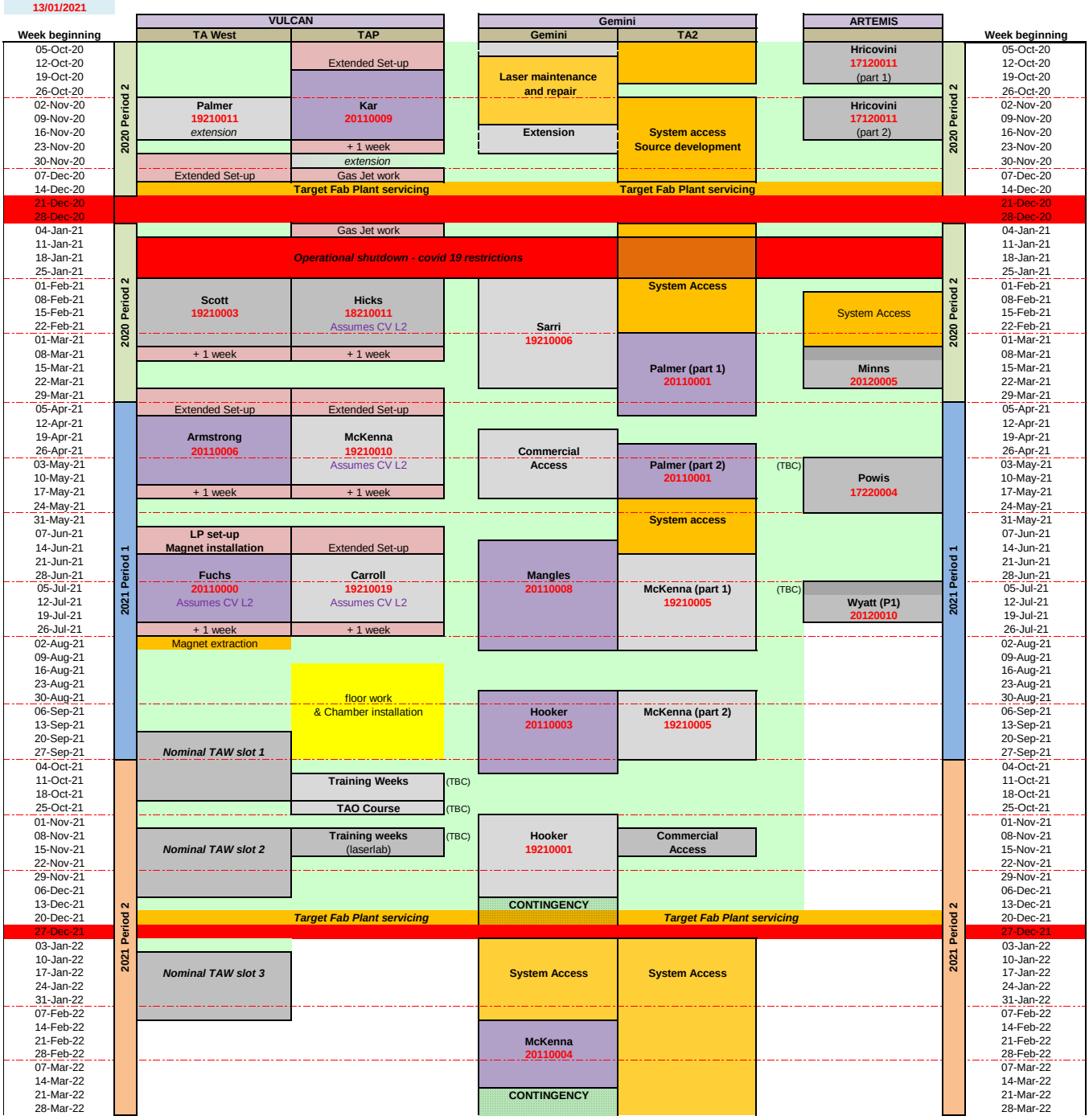
HPL Issue 21
13/01/2021

HPL Schedule



	App Number	Principal Investigator	
Vulcan	19210011	Palmer C	Laboratory investigation of dust charging and destruction in shocked plasma
	19210019	Carroll D	Investigation of EMP emissions for understanding the source mechanisms and the rules for tuning and employing them in
	19210010	McKenna P	Optimisation of a hybrid ion acceleration mechanism towards a stable, high-energy ion source
	19210003	Scott G	Direct Laser Acceleration of Electrons to Superponderomotive Energies
	20110000	Fuchs J	Investigation of the ion streaming instability in the laboratory and of the associated energy transfer to the background plasma
	18210011	Hicks G	Ion acceleration from optically shaped gas-jets
	20110006	Armstrong C	Monoenergetic and micron-scale source size neutron beam generation
Gemini & TA2	19210012	Kettle B	Ultrafast absorption spectroscopy of warm dense matter: measuring electron-ion equilibration rates
	19210006	Sarri G	Collisionless evolution of Weibel-like magnetic fields on kinetic scales
	20110008	Mangles S	Definitive measurement of quantum radiation reaction in the collision of an intense laser-pulse witha high-energy electron beam
	19210005	McKenna P	Time-resolved diagnostics of relativistic plasma singularities and BISER
	20110003	Hooker S	Multi-GeV Electron Acceleration in HOFI Plasma Channels
	19210001	Hooker S	Investigation of Plasma Waves Driven by Long Trains of Laser Pulses
	20110001	Palmer C	Characterisation of `hot' electron filamentation in overdense plasmas using large data sets
	20110004	McKenna P	High order modes of intense light generated in dense plasma
Artemis	17220004	Powis I	Time-Resolved Photoelectron Circular Dichroism in alpha-Pinene
	17120011	Hricovini	Ultrafast demagnetization in ferromagnetic oxides: exciting the phonons vs the electrons
	20120005	Minns R	XUV Photoelectron spectroscopy of Rydberg Valence dynamics
	20120010	Wyatt A	High Flux Soft X-Ray Generation in the Water Window
	20120006	Thompson J	Photoelectron Imaging in the Molecular Frame
	20120002	Da Como E	Mott and Charge Density Wave dynamics in the transition metal dichalcogenide 1T-TaSe2.
	20120009	Matthews M	Enhancing and understanding EUV harmonic emission in solids