

AGP 2017 - This list details the projects that were successful in the 2017 Grant Round and is shown in Top, Middle and Bottom Terciles (Institution order). Where several proposals were submitted by different departments within an Institution, this is identified by a Grant number.

Institution	Project Title
Birmingham	BiSON Operations and Data Curation / Inferences from BiSON
Bristol - 2	Constraining the distribution of 26Al in the solar nebular disk
Cambridge - 1	Towards a first-principles understanding of black hole accretion
Cambridge - 2	Transition Edge Sensors
Edinburgh - 1	Cosmic evolution of AGN feedback from new radio surveys
Edinburgh - 1	Measuring the Dark Energy and Neutrino Mass with Euclid
Exeter - 1	HST Panchromatic Comparative Exoplanet Treasury Programme
Exeter - 1	The Formation and Evolution of Stellar Clusters
Exeter - 1	Towards a consistent set of multi-dimensional chemical models for hot Jupiters
Keele - 1	The absolute ages and dynamics of young stars and star clusters using Gaia and the Gaia-ESO survey
Keele - 1	Helium enrichment in the Galaxy from eclipsing binary stars
Lancaster - 1	Saturn's Auroral Energetics
Lancaster - 1	Characterising the High-latitude Magnetosphere of Jupiter
Leeds - 1	Probing the Composition of Planet-building Material with ALMA
LJM	MOPTOP: time resolved polarimetry of extreme outflows
Manchester	Understanding metamorphism in the Moon's ancient crust
Manchester	Investigating the Solar System with Xenon and Krypton
Reading	Creation and destruction of the heliospheric magnetic field
Reading	Determining energy pathways for the energisation of Radiation Belt electrons by Very Low Frequency waves
Sheffield - 1	ULTRACAM & HiPERCAM operations
Sheffield - 1	A UV census of the sites of core-collapse supernovae
Southampton - 1	Precision models for binary black-hole inspirals
Southampton - 1	Seismology aspects of binary neutron stars
Southampton - 1	Multi-messenger tests of unified neutron star model
St Andrews	The formation of brown dwarfs and rogue planets
UCLAN - 1	Asteroseismology of peculiar A stars: it's a new ball-game with the all-sky Transiting Exoplanet Survey Satellite (TESS)
UCLAN - 1	The role of magnetic fields in pre-stellar and proto-stellar evolution
Bristol - 1	Cluster formation and evolution
Bristol - 1	TOPCAT and the Virtual Observatory
Cambridge - 2	Kinetic Inductance Detectors
Edinburgh - 1	Direct Imaging Characterisation of Exoplanets and Planetary Systems
Edinburgh - 1	Studying the physics of high-redshift galaxies with VANDELS

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Edinburgh - 2	Life in Space Conditions
Exeter - 1	Mixing processes in stars with fully compressible, time implicit, realistic multi-dimensional numerical simulations
Exeter - 2	Dynamics and dissipation of shocks in the partially ionised chromosphere
Exeter - 2	Convection and zonal flows in rapidly rotating non-spherical Jupiter
Hull	A New Source of Elements in Stars: Neutron-Capture Process
Hull	Multiphase Gas in Galaxy Clusters
Keele - 2	Mass loss in Very Massive Stars
NHM	The geological history of water-rich asteroids
Open	Jet impact in galaxy groups and clusters via LOFAR extragalactic surveys
Sheffield - 1	AGN feeding and feedback / Starbursts and triggering of AGN
Sheffield - 2	Dynamics of key radiation belt emissions
Southampton - 2	AGN Variability from Black Hole to BLR
Southampton - 2	Multi-Object Spectroscopy for Type Ia Supernova Cosmology
Southampton - 2	VEILS: The first extragalactic infrared time-domain survey
Southampton - 3	Magnetospheric dynamics at Earth
St Andrews	Echo Mapping of Black Hole Accretion Flows in AGN
St Andrews	Structure and evolution of exoplanetary systems with CHEOPS
Strathclyde	UK APAP Network
UCL	The large-scale Lyman- α forest as a new probe of the sources for H and He reionisation
UCL	Galactic Age, Kinematics, and Chemistry of Asteroid-Polluted White Dwarfs
UCLAN - 2	Solar Energetic Particle propagation in the 3D heliosphere
Armagh	Searching for asteroid treasure in Earth's loft
Bristol - 2	Titans atmospheric oxygen
Cambridge - 2	Key Technologies for Multi-Beam Heterodyne Receivers
Edinburgh - 1	Non-equilibrium modelling of the Milky Way-LMC interaction in the Gaia era
Edinburgh - 1	Metal absorption system constraints on the reionization of the IGM
Edinburgh - 1	Initial conditions of star formation, and the IMF in galaxies
Edinburgh - 2	Habitability in Aqueous Extraterrestrial Conditions
Exeter - 1	Atmospheric and surface controls on habitability of terrestrial exoplanets
Exeter - 2	Nonlinear frequency average in mean-field dynamo theory
Herts	Star formation and dust at high z:Dissecting the IRX -b relation

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Herts	Galactic Plane Radio surveys with SKA precursors and pathfinders
Herts	Eruptive YSOs and the Milky Way time domain surveys: VVV and VVVX
Herts	HII regions in proto-young-massive-clusters
Herts	Understanding brown dwarf diversity in the Gaia era
Herts	Chemodynamical simulations of the Local Group
Lancaster - 1	Mechanisms and Timescales of Asymmetries in Magnetospheric Flows
Lancaster - 2	Testing for variations in Dark Energy
Leeds - 2	Tidal dissipation in stars and planets: simulations from first principles
LJM	The connection between star formation and gas physics in the Galaxy
LJM	Massive stars before and after core collapse
Manchester	The ancient Martian volatile cycle and impact chronology
Oxford	Volatilities of elements from molten asteroids, planets and exosolar planets
Reading	Venusian Electricity, Nephology and Ionisation
Southampton - 2	Accretion Disk Winds in Active Galactic Nuclei
Southampton - 2	A benchmark survey of obscured AGN growth and evolution
St Andrews	Feedback effects in a turbulent interstellar medium
Surrey	First population models of the most massive stars
UCL	Exploiting the full Dark Energy Survey
UCL	Spectroscopy of hot rocky super-earths
UCLAN - 1	Assessing the impact of secular evolution on the Galaxy in the era of Gaia