

Appendix I. Observing Programs 2009B and 2010A

GN Scientific Ranking 2009B Band 1

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GN-2009B-Q-1	Alexander	UK	Measuring the Energetics and Ubiquity of Outflows in $z \sim 2$ Galaxies Hosting AGN Activity	NIFS	24
GN-2009B-Q-2	Andruchow	AR	GMOS study of the gamma-ray blazar 3C66A, its host and environment	GMOS	5.2
GN-2009B-Q-3	Bary	US	Constraining the Effects of High Energy Photons on Proto-Planetary Disk Chemistry and Evolution	Michelle	5.5
GN-2009B-Q-4	Bibby	UK	A search for the WR progenitors of Type Ib/c SNe in the "Supernova Factory" NGC 6946	GMOS	9.4
GN-2009B-Q-5	Bresolin	UH	The uncertain abundance gradient of M33	GMOS	4.3
GN-2009B-Q-6	Brown	US	Sedna and the Birth of the Solar System	GMOS	3.6
GN-2009B-Q-7	Carrasco	GS	How do small massive galaxies become big massive galaxies?	NIRI+AltairLGS	6.7
GN-2009B-Q-8	Cieza	UH	Understanding Transition Circumstellar Disks: a search for close companions in Perseus and Taurus-Auriga	NIRI+Altair / NIRI+AltairLGS	10
GN-2009B-Q-9	Crowther	UK	A deep survey of Wolf-Rayet stars in the dwarf irregular galaxy IC10	GMOS	3.6
GN-2009B-Q-10	Dieterich	US	Probing Stellar Physics at the Bottom of the Main Sequence: Connecting Masses to Photospheric Observables	NIRI+Altair / NIRI+AltairLGS	8.8
GN-2009B-Q-11	Duchene	US	Probing grain growth in protoplanetary disks: scattered light imaging of edge-on disks in the mid-infrared	Michelle	3.4
GN-2009B-Q-12	Gebhardt	US	Black Hole Mass and Orbital Structure in NGC507 and NGC741	NIFS+AltairLGS	16.5
GN-2009B-Q-13	Howell	UK/US	UV and Early-time Studies of the Evolution of Type Ia Supernovae	GMOS	8
GN-2009B-Q-14	Kassis	US	Early evolution of photoevaporating protoplanetary disks: mid-infrared spectra of the Orion Nebula proplyds	Michelle	10.6
GN-2009B-Q-15	Kleyna	UH	Followup observations of MBCs found in PanSTARRS1	GMOS	5
GN-2009B-Q-16	Luhman	US	Searching for the Bottom of the Initial Mass Function	NIRI	16
GN-2009B-Q-17	Marois	GS	HR 8799 and the Search of Jupiter-like Planets Around Young & Nearby Early-Type Stars.	NIRI+Altair	6
GN-2009B-Q-18	Matheson	US	CluLeSS: Cluster and Lensed Supernova Search	NIRI	11
GN-2009B-Q-19	McConnachie	CA/US	The dynamics of the Andromeda sub-group: spectroscopy of two new dwarf galaxies around M31	GMOS	8
GN-2009B-Q-20	Rest	CA/US	Echoes of Historic Milky Way Supernovae: Spectroscopy of the Cas A, Tycho, 3C 58, and Crab SNe at Maximum Light.	GMOS	18
GN-2009B-Q-21	Roberts	UK	Constraining the mass of the black hole within	GMOS	18.6

			an ultraluminous X-ray source		
GN-2009B-Q-22	Roe	US	Titan methane weather at Equinox: Seasonal climate change and surface geology	NIFS+Altair / NIRI+Altair	6
GN-2009B-Q-23	Ryder	AU	ALTAIR Study of Supernovae in Luminous Infrared Galaxies	NIRI+AltairLGS	4.5
GN-2009B-Q-24	Saito	JP	Spectroscopic follow-up of Ly-alpha blobs at $z \sim 3$ in the 2 sq. deg. COSMOS field	GMOS	2
GN-2009B-Q-25	Sheppard	US	The First Known Equal Sized Plutino Binary	GMOS	3
GN-2009B-Q-26	Stockton	UH	Massive Outflows in Luminous Quasars and Radio Galaxies	GMOS	6
GN-2009B-Q-27	Storchi-Bergmann	BR	Feeding vs. feedback in nearby active galaxies	NIFS+AltairLGS	4
GN-2009B-Q-28	Fox	AU / CA / GS / UK / US	Gamma-Ray Bursts: From Progenitors to Probes	GMOS / NIRI	30.3
GN-2009B-Q-29	Tonry	UH	Spectroscopy of Pan-STARRS Detections	GMOS	16
GN-2009B-Q-30	Trujillo	GS/US	Primordial Solar System Ices	NIRI	22
GN-2009B-Q-31	U	UH	Kinematics and Energetics in Luminous Infrared Galaxies	NIFS+AltairLGS	5
GN-2009B-Q-32	Warren	UK	The highest-redshift quasars $5.8 < z < 7.2$ in the UKIDSS LAS	GMOS / NIRI	3
GN-2009B-Q-33	Willott	CA	Near-infrared spectroscopy of CFHQS $z > 6$ quasars	NIRI	22.5
GN-2009B-Q-34	Wilson	CA	The Gemini Cluster Astrophysics Spectroscopic Survey (GCLASS)	GMOS	17
GN-2009B-Q-35	Wooden	US	Catching the LCROSS Impact Excavation of Lunar Dust+Ice at K-band with NIFS	GMOS / NIFS / NIFS+Altair / NIRI+Altair	2

GS Scientific Ranking 2009B Band 1

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GS-2009B-Q-1	Andrews	US	A Comprehensive Study of Dust Formation in Type II Supernovae with HST, Spitzer and Gemini	GMOS-S	10.2
GS-2009B-Q-2	Barrientos	CL	Mass calibration and gas physics for ACT SZ clusters	GMOS-S	20
GS-2009B-Q-3	Bersier	UK	The Supernovae of Gamma-Ray Bursts: Exploring the diversity of stellar explosions	GMOS-S	6
GS-2009B-Q-4	Bosch	AR	Binary Statistics in 30 Doradus	GMOS-S	7
GS-2009B-Q-5	Tanvir	AU/CA/CL/UK	Rapid observations of gamma-ray bursts with Gemini-S	GMOS-S	13
GS-2009B-Q-6	Davidson	US	Eta Carinae's Continuing Instability and Recovery -- The 2009 "Event"	GMOS-S	2.5
GS-2009B-Q-7	De Buizer	US	Searching for the Massive Stars Associated with Methanol Maser Rings (T-ReCS)	TReCS	6.2
GS-2009B-Q-8	Gladstone	UK	The optical counterpart of the ultraluminous X-ray source NGC 253 ULX2	GMOS-S	1.7
GS-2009B-Q-9	Stritzinger	CL	Early and late phase spectroscopic study of	GMOS-S	10

			supernovae in the Local Universe by the Chilean Millennium Center for Supernova Studies		
GS-2009B-Q-10	Hayward	GS	NICI Imaging of Planetary-Mass Objects in the Orion Nebula	NICI	7
GS-2009B-Q-11	Howell	UK/US	UV and Early-time Studies of the Evolution of Type Ia Supernovae	GMOS-S	8
GS-2009B-Q-12	Hoyer	CL	Search for unseen companions around 4 transiting planets using Transit Timing Variations.(III)	GMOS-S	23
GS-2009B-Q-13	Kasliwal	US	Transients in the Local Universe	GMOS-S	5
GS-2009B-Q-14	Marois	CA/GS/UK/US	A NICI Search of Jupiter-like Planets Around HR 8799 and Young & Nearby Stars.	NICI	25.3
GS-2009B-Q-15	Matheson	US	CluLeSS: Cluster and Lensed Supernova Search	GMOS-S	15.2
GS-2009B-Q-16	Mohr	US	Spectroscopic Confirmation and Dynamical Mass Estimates of South Pole Telescope SZE Selected Galaxy Clusters	GMOS-S	42.6
GS-2009B-Q-17	National Office	UK	Gemini Outreach Proposal	GMOS-S	1
GS-2009B-Q-18	Pastorello	UK	The PS1 core-collapse supernova survey: deaths of very massive stars	GMOS-S	5
GS-2009B-Q-19	Pastoriza	BR	Mid-IR Observations of the AGN's NGC1808 and ngc1365	TReCS	3.5
GS-2009B-Q-20	Roberts	UK	Constraining the mass of the black hole within NGC 1313 X-2	GMOS-S	29.2
GS-2009B-Q-21	Roe	US	Titan methane weather at Equinox: Seasonal climate change and surface geology	NICI	4
GS-2009B-Q-22	Sinnott	CA	Optical Spectroscopy of the Light Echo System of SN1987A	GMOS-S	3
GS-2009B-Q-23	Smith	US	IR Variability of Eta Carinae: The 2009 Event	Phoenix / TReCS	12
GS-2009B-Q-24	Valenti	US	Simultaneity of Accretion and Outflow in Young Stars	Phoenix	4.9
GS-2009B-Q-25	Willott	CA	z=6 quasars to probe the reionization of the universe	GMOS-S	6
GS-2009B-Q-26	Wilson	CA/US	The Gemini Cluster Astrophysics Spectroscopic Survey (GCLASS)	GMOS-S	34
GS-2009B-Q-27	Wittenmyer	AU	Atmospheric Transmission Spectroscopy of WASP-7b	Phoenix	5.3
GS-2009B-Q-28	Yang	US	Galaxy Formation in Action: Resolving the Nature of Newly Discovered Lyman-alpha Blobs in the Chandra Deep Field South	GMOS-S	27.2

GN Scientific Ranking 2009B Band 2

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GN-2009B-Q-36	Allen	US	A Survey for Faint, Close, Low-Mass Tertiaries to Nearby Spectroscopic Binaries	NIRI+Altair	14
GN-2009B-Q-37	Bally	US	AO Imaging of the Explosive Orion OMC1	NIRI+Altair /	20

			Outflow	NIRI+AltairLGS	
GN-2009B-Q-38	Bandara	CA	Beyond the Biggest and the Brightest: Integral Field Spectroscopy of Gravitationally Lensed Galaxies with Laser Guided Adaptive Optics	NIFS+AltairLGS	12.5
GN-2009B-Q-39	Bassino	AR	Globular cluster systems of lenticular galaxies: looking for clues on the origin of S0s.	GMOS	6.7
GN-2009B-Q-40	Beck	US	Spatially Resolving Molecular Hydrogen in Planet-Forming Disks	NIFS+Altair / NIRI	22.1
GN-2009B-Q-41	Berger	GS/US	Exotic Explosions and Eruptions: Exploring a New Transient Phase-Space with Pan-STARRS	GMOS	12
GN-2009B-Q-42	Christensen	GS	Characterizing the Nature of Hyper-luminous Supernovae	GMOS	4.2
GN-2009B-Q-43	Coffey	UK	Testing the theory of magneto-centrifugal ejection from T Tauri disks	NIFS+Altair	13
GN-2009B-Q-44	De Buizer	US	Searching for the Massive Stars Associated with Methanol Maser Rings (Altair/NIRI)	NIRI+AltairLGS	2.3
GN-2009B-Q-45	Crockett	UK/US	Detecting the progenitors of core collapse supernovae - precision astrometry with ALTAIR	NIRI / NIRI+Altair / NIRI+AltairLGS	10
GN-2009B-Q-46	Gomez	GS	Probing the Bending Mechanism Responsible for the Wide-Angle Tailed Radio Source in Abell 562	GMOS	5.8
GN-2009B-Q-47	Goncalves	BR	Chemistry of the dwarf spheroidal NGC185: PNe versus its Seyfert 2 classification	GMOS	2.5
GN-2009B-Q-48	Gorlova	US	Post-Outburst Dust Formation in Warm Hypergiant Rho Cassiopeiae	Michelle	2.5
GN-2009B-Q-49	GOTO	UH	A search for high redshift QSOs at $5.8 < z < 8$	GMOS / NIRI	14
GN-2009B-Q-50	Hodapp	UH	NIRI and Michelle photometry of Sigma Ori IRS	Michelle / NIRI+Altair	3
GN-2009B-Q-51	Hogan	GS	The DODO Survey: Extending a Direct Imaging Search for Planetary Mass Companions to White Dwarfs	NIRI	15.8
GN-2009B-Q-52	Irwin	UK	Uranus Cloud Structure after 2007 equinox - NIFS and NIRI	NIFS+Altair / NIRI+Altair	5
GN-2009B-Q-53	James	UH	The Lithium Depletion Boundary and Age of the Southern Open Cluster Blanco 1	GMOS	12
GN-2009B-Q-54	Krajnovic	GS/UK	Determining the low-mass end of the local Mbh-sigma relation	NIFS+AltairLGS	6
GN-2009B-Q-55	Liu	US	Stellar Populations in the Host Galaxies of Luminous Obscured Quasars	GMOS	27.3
GN-2009B-Q-56	Lu	CA	Galaxy Transformation in Groups within the Accretion Zone of Clusters	GMOS	6.2
GN-2009B-Q-57	Lucas	UK	Precise ages and masses of free floating planetary mass brown dwarfs	NIFS+AltairLGS	15
GN-2009B-Q-58	Mason	GS	Further spectroscopic investigations of NGC 1068	Michelle	2.5
GN-2009B-Q-59	McGregor	AU	Accretion and Outflow from Young Stellar Disks	NIFS+Altair	11.8
GN-2009B-Q-60	Parker	CA/US	Weighing KBOs II: Continued Characterization Kuiper Belt Binaries	GMOS	9.2

GN-2009B-Q-61	Pastoriza	BR	Mid-IR Observations of the Seyfert galaxies NGC3227 and Mrk3	Michelle	2.2
GN-2009B-Q-62	Pinfield	AU/GS/UK	Probing a new substellar temperature regime with the UKIDSS Large Area Survey	NIRI	25
GN-2009B-Q-63	Sarre	GS/UK	Probing the Mass Distribution of Interstellar PAHs	Michelle	7
GN-2009B-Q-64	Smith Castelli	AR	Exploring the faint galaxy content of the Hickson Compact Group HCG 44	GMOS	2.4
GN-2009B-Q-65	Song	CA/UK/US	Resolving the Asteroid Belt of HR 8799	Michelle	13.2
GN-2009B-Q-66	Steiner	BR	Bulge stellar archeology of nearby LINER galaxies	GMOS	4.2
GN-2009B-Q-67	Treister	UH	Mid-IR Observations of nearby AGN selected in hard X-ray	Michelle	8
GN-2009B-Q-68	Wainscoat	UH	Physical properties of large bodies in the outer solar system	GMOS / NIRI	10
GN-2009B-Q-69	Wilman	CA	AGN fuelling and the cold feedback cycle in cluster cores	NIFS+AltairLGS	6

GS Scientific Ranking 2009B Band 2

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GS-2009B-Q-29	Bastian	GS/UK	Testing star cluster disruption scenarios: accurate age distributions	GMOS-S	8.4
GS-2009B-Q-30	Berger	GS/US	Exotic Explosions and Eruptions: Exploring a New Transient Phase-Space with Pan-STARRS	GMOS-S	12
GS-2009B-Q-31	Bohlender	CA	Magnetospheric Star-planet Interactions: Contemporaneous Phoenix, XMM, and ESPaDOnS Observations of the Hot Jupiter System HD 179949	Phoenix	20
GS-2009B-Q-32	Chene	CA/UK	Very massive binaries in R136: weigh and see!	GMOS-S	10.8
GS-2009B-Q-33	Christensen	GS	Characterizing the Nature of Hyper-luminous Supernovae	GMOS-S	7.8
GS-2009B-Q-34	Collins	UK	Star Formation and AGN Activity in the Most Distant X-ray Cluster	GMOS-S	12
GS-2009B-Q-35	Conselice	UK	The Nature of Morphologically Asymmetric Galaxies at $z \sim 1.5$	GMOS-S	13.1
GS-2009B-Q-36	Cunha	US	Chemical Evolution in the Inner Galactic Disk: Abundances in Red Giants of the Massive Cluster GLIMPSE13	Phoenix	24
GS-2009B-Q-37	da Silva	US	Shining Light on a Pair of Merging Galaxies	GMOS-S	2.7
GS-2009B-Q-38	Duchene	US	Probing the nature of optically obscured companions to young stars	Phoenix	4.5
GS-2009B-Q-39	Gimeno	AR/BR/CL/GS	Unveiling the hidden core kinematics of NGC 253	Phoenix	16
GS-2009B-Q-40	Stritzinger	CL	Early and late phase spectroscopic study of supernovae in the Local Universe by the Chilean Millennium Center for Supernova Studies	GMOS-S	10

GS-2009B-Q-41	Hanes	AR/ AU/ CA/ UK/ US	Globular Clusters as Probes of Galaxy Formation: The Isolated Elliptical NGC 720	GMOS-S	13.8
GS-2009B-Q-42	Heinke	CA	Ultracompact Orbital Periods in the Globular Cluster NGC 6652	GMOS-S	6.5
GS-2009B-Q-43	Levenson	US	Testing AGN Unification through IR Spectral Energy Distributions--South	TReCS	1.7
GS-2009B-Q-44	Lu	CA/UK	Galaxy Transformation in Groups within the Accretion Zone of Clusters	GMOS-S	18.7
GS-2009B-Q-45	Malo	CA/GS	Radial Velocity of Low-mass Candidate Members of Nearby Young Associations	Phoenix	29
GS-2009B-Q-46	Orton	GS/US	First Thermal Maps of the Stratosphere of Uranus: Follow-up to Detection of Rotational Variability by the Spitzer IRS	TReCS	12
GS-2009B-Q-47	Proctor	BR	Probing the dynamics in the outskirts of a Hickson compact group	GMOS-S	5.7
GS-2009B-Q-48	Rajagopal	US	The circumbinary disk and environs of post-AGB stars at high resolution and deep contrast	NICI	5
GS-2009B-Q-50	Unda-Sanzana	CL	Combined Doppler Tomography and Eclipse Mapping of Cataclysmic Variable Stars	GMOS-S	6
GS-2009B-Q-51	Valenti	UK	The PS1 core-collapse supernova survey: explosion rates	GMOS-S	10
GS-2009B-Q-52	van de Ven	GS	GMOS integral-field spectroscopy of Fornax dwarf elliptical galaxies: an integral picture of galaxy formation and evolution	GMOS-S	8
GS-2009B-Q-53	Vieira	US	A New Population of Strongly-Lensed High-Redshift Sub-Millimeter Galaxies	GMOS-S	11.5
GS-2009B-Q-54	Westmoquette	UK	Starburst-driven outflows and feedback in the BCD galaxy NGC1140	GMOS-S	16.7
GS-2009B-Q-55	Yeh	CA/GS	Stellar Wind-Ambient Cloud Interactions in 30 Doradus	Phoenix	19
GS-2009B-Q-56	Yong	AU	Oxygen isotope ratios in thin and thick disk stars	Phoenix	5.9
GS-2009B-Q-94	Alves-Brito	AU	Chemical abundances in the second parameter globular cluster pair NGC288/362	Phoenix	5.9

GN Scientific Ranking 2009B Band 3

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GN-2009B-Q-70	Barnes	US	Star Formation Activity and Stellar Populations in the Outer Disk of a Sample of "Normal" Spiral Galaxies	GMOS	30
GN-2009B-Q-71	Bastien	CA	Imaging and spectroscopic observations of a new T Tauri star jet	GMOS	4.9
GN-2009B-Q-72	Bersier	UK	The Supernovae of Gamma-Ray Bursts: Exploring the diversity of stellar explosions	GMOS	4
GN-2009B-Q-73	Bildfell	UK	Caught in the Act: Probing the Starburst-AGN Connection in CL0910+41's brightest cluster galaxy.	GMOS	6

GN-2009B-Q-74	Bilikova	US	The Nature of IR Excess of CSPN NGC 6804	Michelle	1.3
GN-2009B-Q-75	Carlberg	CA	Large Scale Clustering of Dwarf Galaxies	GMOS	3.5
GN-2009B-Q-76	Cieza	UH	Testing the Disk Regulation Paradigm with Spitzer: spectral typing of low-mass stars	GMOS	10
GN-2009B-Q-77	Conselice	UK	Star Formation Rates in Massive $z > 2$ Galaxies	NIRI	15
GN-2009B-Q-78	Croll	CA	Searching for Atmospheric Absorption in the Transmission Spectra of HAT-P-1	GMOS	12
GN-2009B-Q-79	De Buizer	US	Determining the Origin of Spitzer's Green Fuzzy Emission	NIRI	9.3
GN-2009B-Q-80	Dobbie	AU	Probing the stellar initial mass-final mass relation with wide double-degenerate binaries - the northern systems	GMOS	4.8
GN-2009B-Q-81	Ellison	US	Chemical abundances in Virgo cluster spirals - what drives the environmental dependence of galaxy metallicity?	GMOS	2.4
GN-2009B-Q-82	Gallagher, III	US	Spectroscopic Study of Young Star Clusters in the Outskirts of NGC 1275 (Perseus A)	GMOS	10
GN-2009B-Q-83	Garnavich	UK/US	Social Insecurity: What Influences Stellar Death in Old Populations?	GMOS	24.9
GN-2009B-Q-84	Harrison	US	A spectroscopic analysis of the stellar populations of fossil groups	GMOS	14
GN-2009B-Q-85	Irwin	UK	Neptune's Cloud Structure - NIFS and NIRI	NIFS / NIFS+Altair / NIRI / NIRI+Altair	9
GN-2009B-Q-86	Lafreniere	CA/GS	SIMP0136+0933: a Rosetta stone to understand early-T dwarfs? -- NIRI spectroscopy	NIRI	16.8
GN-2009B-Q-87	Lane	AU	Birth of a Cartwheel? A new candidate Collisional Ring Galaxy.	GMOS	4.9
GN-2009B-Q-88	Laycock	GS	The Role of Close Companions in Be-Star Disk Formation.	NIRI+Altair	10
GN-2009B-Q-89	Levenson	US	Testing AGN Unification through IR Spectral Energy Distributions--North	Michelle	6.7
GN-2009B-Q-90	Lipari	AR	GMOS 3D-Spectroscopy of QSOs with Fe II BALs and/or extreme Fe II Emission	GMOS	5.7
GN-2009B-Q-91	Luhman	US	Searching for Proto-Brown Dwarfs	GMOS / NIRI	5.9
GN-2009B-Q-92	Marchesini	US	Measuring the evolution of the size-mass relation using a complete, mass-limited sample of galaxies at $1.5 < z < 2.5$	NIRI	23
GN-2009B-Q-93	Marois	CA/UK/US	HR 8799 and the Search of Jupiter-like Planets Around Young & Nearby Early-Type Stars.	NIRI+Altair	43
GN-2009B-Q-94	Matheson	US	Constraining the Hubble Constant with Type II Supernovae	GMOS	12
GN-2009B-Q-95	Maxted	UK	Follow-up of new sdB binaries from the HYPERMUCHFUSS survey	GMOS	12
GN-2009B-Q-96	Morrison	UH	NIRI H α Imaging of Cluster Members in XMMU J2235 at $z \sim 1.4$.	NIRI	14
GN-2009B-Q-97	Naylor	UK	Testing Models of Spiral Arms	GMOS	13.6
GN-2009B-Q-98	Pastorello	UK	The PS1 core-collapse supernova survey: deaths of very massive stars	GMOS	10

GN-2009B-Q-99	Pinfield	GS	Probing a new substellar temperature regime with the UKIDSS Large Area Survey	NIRI	6
GN-2009B-Q-100	Pitts	UH	Optical Spectroscopic Follow-Up of Taurus Proper-Motion Selected Candidates	GMOS	7
GN-2009B-Q-101	Poteet	US	The Orion Protostar Survey: NIRI Spectroscopy of Spitzer-Identified Protostars in the Orion Complex	NIRI	30
GN-2009B-Q-102	Price	UH	High-redshift quasars from PS1	GMOS	11.1
GN-2009B-Q-103	Richter	US	Dust Emission in Edge-on Protoplanetary Disks	Michelle	6.3
GN-2009B-Q-104	Romer	UK	The Evolution of X-ray Scaling Relations Over Half A Hubble Time	GMOS	19.2
GN-2009B-Q-105	Rupke	UH	Molecular Gas Dynamics in the M82 Galactic Wind	NIRI	4
GN-2009B-Q-106	Rushton	UK	The near infrared evolution of the peculiar variable V838 Mon	NIRI	4
GN-2009B-Q-107	Rutledge	CA	Identifying the Nearest and Brightest Neutron Stars	GMOS	12
GN-2009B-Q-108	Sarre	GS	Probing the Mass Distribution of Interstellar PAHs	Michelle	7
GN-2009B-Q-109	Schiavon	GS	NIR Color magnitude diagrams of the upper giant branch of M31 clusters	NIRI+Altair	9.1
GN-2009B-Q-110	Skemer	US	Resolved Silicate Emission in T Tauri Binaries: Determining the Parameters that Lead to Planet Formation	Michelle	4
GN-2009B-Q-111	Takamiya	UH	Galaxy Pair at $z \sim 0.7$	GMOS	1.5
GN-2009B-Q-112	Telles	BR	The physical conditions of an HII Galaxy with an extraordinarily dense nucleus: Mrk 996	NIFS+Altair	3.7
GN-2009B-Q-113	Torres-Flores	BR	Studying UV sources in the HI tidal tail of NGC 2782	GMOS	5.4
GN-2009B-Q-114	Treister	UH	Deep spectroscopy of a complete sample of local AGN	GMOS	15

GS Scientific Ranking 2009B Band 3

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GS-2009B-Q-57	Allam	CA	GMOS follow-up of 8 very bright spectroscopically confirmed, group-scale lenses	GMOS-S	10
GS-2009B-Q-58	Artigau	CA/GS	SIMP0136+0933, a Rosetta stone to understand early-T-dwarfs? -- GMOS spectroscopy	GMOS-S	12.4
GS-2009B-Q-59	Barnes	US	Star Formation Activity and Stellar Populations in the Outer Disk of a Sample of "Normal" Spiral Galaxies	GMOS-S	35
GS-2009B-Q-60	Chavarría	CL	Studying the envelope properties of high mass protostellar objects	TReCS	4
GS-2009B-Q-61	Cuisinier	BR	Temperature Fluctuations in IC 418 from Paschen Jump	GMOS-S	5.5
GS-2009B-Q-62	Cure	AR/CL	Revealing the outflowing disks of B[e]	Phoenix	9.7

			supergiants		
GS-2009B-Q-63	Dobbie	AU	Probing the stellar initial mass-final mass relation with wide double-degenerate binaries - the southern systems	GMOS-S	9.4
GS-2009B-Q-64	Dodson-Robinson	US	Planet Formation around Massive Stars	NICI	15
GS-2009B-Q-65	Forte	AR	The halo-globular cluster connection in the elliptical galaxy NGC 1316	GMOS-S	6.4
GS-2009B-Q-66	Gimeno	GS	Unveiling the hidden core kinematics of NGC 253	Phoenix	13
GS-2009B-Q-67	Stritzinger	CL	Early and late phase spectroscopic study of supernovae in the Local Universe by the Chilean Millennium Center for Supernova Studies	GMOS-S	8.5
GS-2009B-Q-68	Helton	US	Michelle and T-ReCS Monitoring of Classical Novae	TReCS	13
GS-2009B-Q-69	Hoyer	CL	Search for unseen companions around 4 transiting planets using Transit Timing Variations.(III)	GMOS-S	12
GS-2009B-Q-70	Hrivnak	US	Testing the Binary Hypothesis for Bipolar Proto-Planetary Nebulae	Phoenix	7
GS-2009B-Q-71	Indriolo	US	Using H ₃ ⁺ Observations to Estimate the H ₂ Temperature	Phoenix	9
GS-2009B-Q-72	Jarvis	UK	The search for radio sources within the Epoch of Reionization	GMOS-S	5.5
GS-2009B-Q-73	Lebzelter	US	The role of stellar variability in mid-IR circumstellar spectra	TReCS	18
GS-2009B-Q-74	Melbourne	US	Resolving Sources of Mid-IR Flux in Luminous Infrared Disk Galaxies	TReCS	30
GS-2009B-Q-76	Neichel	GS	Starburst rings, micro-bars and micro-spirals: unveiling the beating heart of Seyfert galaxies with NICI	NICI	6.5
GS-2009B-Q-77	O'Halloran	UK	Is hardness of the radiation field responsible for the PAH emission deficit in low metallicity dwarf galaxies?	TReCS	2.7
GS-2009B-Q-78	Orton	GS	Neptune's Wandering Hot Pole	TReCS	5.8
GS-2009B-Q-79	Rodgers	GS/US	Expanding Herbig Ae/Be Multiplicity Survey to Southern Hemisphere	NICI	12.9
GS-2009B-Q-80	Romer	UK	The Evolution of X-ray Scaling Relations Over Half A Hubble Time	GMOS-S	14.4
GS-2009B-Q-81	Rutledge	CA	Identifying the Nearest and Brightest Neutron Stars	GMOS-S	8.8
GS-2009B-Q-82	Sahai	US	Caught in the Act I: mapping the Collimated Outflows in V Hya, an AGB star evolving into a Bipolar Planetary Nebula	Phoenix	6
GS-2009B-Q-83	Sahai	US	Caught in the Act II: A High-Velocity Outflow in pi Gru, an S-type AGB star evolving into a Bipolar Planetary Nebula	Phoenix	30
GS-2009B-Q-84	Salinas	CL	Is there dark matter in NGC 7507?	GMOS-S	15
GS-2009B-Q-85	Scott	US	Star Forming Galaxies in the Field of the UV Bright QSO HE2347-4342	GMOS-S	7

GS-2009B-Q-86	Soderberg	US	A New Search for Supersoft Source Ionization Nebulae in the Magellanic Clouds	GMOS-S	6.5
GS-2009B-Q-87	Tadhunter	UK	Characterising the host galaxies and environments of luminous type II quasars	GMOS-S	20.4
GS-2009B-Q-88	Venn	CA/US	Search for Circumstellar Material around the Ultra Metal-Poor Stars	TReCS	16
GS-2009B-Q-89	Verma	UK	The extensive Galaxy Zoo LENSing Survey - eGZeLENS	GMOS-S	15.5
GS-2009B-Q-90	Kepler	BR	The Most Massive DB White Dwarf Candidate	GMOS-S	2.3
GS-2009B-Q-91	Wake	UK	The environment of luminous red galaxies: the galaxy-halo mass connection at $z \sim 0.5$	GMOS-S	42

GN Scientific Ranking 2010A Band 1

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GN-2010A-Q-1	Wilson	CA/US	The Gemini Cluster Astrophysics Spectroscopic Survey (GCLASS)	GMOS	38
GN-2010A-Q-2	Willott	CA	Near-infrared spectroscopy of a starbursting CFHQS $z > 6$ quasar	NIRI	5
GN-2010A-Q-3	Warren	UK	The highest-redshift quasars $5.8 < z < 7.2$ in the UKIDSS LAS	GMOS / NIRI	5
GN-2010A-Q-4	U	UH	Kinematics and Energetics in Luminous Infrared Galaxies	NIFS+AltairLGS	10
GN-2010A-Q-5	Trilling	US	High quality optical photometry of NEOs in support of a Warm Spitzer program	GMOS	2.4
GN-2010A-Q-6	Tonry	UH	Spectroscopy of Pan-STARRS Detections	GMOS	16
GN-2010A-Q-7	Tanvir	AU/GS/UK/US	Investigating gamma-ray bursts and their use as cosmological probes	GMOS / NIRI	27
GN-2010A-Q-8	Smith	UK	Exploring the Anatomy of the Massive Multiply-merging Galaxy Cluster MACSJ1149.5+2223 at $z = 0.54$	GMOS	14
GN-2010A-Q-9	Sawicki	CA	Galaxies in Transition: The Shut-down of Star Formation in Massive Halos at $z \sim 2$	NIRI	11.4
GN-2010A-Q-10	Reipurth	UH	HH 24: Multiple Jets from a Multiple System	GMOS / NIRI / NIRI+AltairLGS	8.5
GN-2010A-Q-11	Peterson	CA/US	The High Mass End of the Black Hole Mass - Stellar Velocity Dispersion Relation in AGNs	NIFS+AltairLGS	16.7
GN-2010A-Q-12	Oguri	JP	Understanding the Largest Quasar Lens SDSS J1029+2623	GMOS	1
GN-2010A-Q-13	Mulchaey	US	Casting Light on the Warm-Hot Intergalactic Medium	GMOS	1.25
GN-2010A-Q-14	Matheson	US	Revealing the Heart of the Explosion: Nebular-Phase Spectroscopy of Type I Supernovae	GMOS	8.8
GN-2010A-Q-15	Marsh	UK	The lowest mass white dwarfs	GMOS	7.6
GN-2010A-Q-16	Lidman	AU	Improving Type Ia supernova as distance indicators	NIRI	11.7
GN-2010A-Q-17	Levan	US	Lyman-alpha imaging of a known $z = 8.2$ field	NIRI	20

GN-2010A-Q-18	Lafreniere	CA	Follow-up observations of candidate wide substellar companions to young stars in Upper Scorpius	NIFS+Altair / NIRI+Altair	11
GN-2010A-Q-19	Krajinovic	GS / UK	Determining the low-mass end of the local M_{bh} -sigma relation	NIFS+AltairLGS	38
GN-2010A-Q-20	Howell	UK/US	UV and Early-time Studies of the Evolution of Type Ia Supernovae	GMOS	14
GN-2010A-Q-21	Forte	AR	A deep spectroscopic field in NGC 4486	GMOS	14.9
GN-2010A-Q-22	Cypriano	BR	Anatomy of a merger: A spectroscopic survey of A1758	GMOS	5.4
GN-2010A-Q-23	Carson	US	Coldest Imaged Companion of a Sun-Like Star	NIRI+Altair	5
GN-2010A-Q-24	Carrasco	GS	High resolution imaging of superdense massive galaxies in the nearby universe	NIRI+AltairLGS	6.7
GN-2010A-Q-25	Bresolin	UH	The effect of metallicity on the Cepheid distance to the galaxy NGC 4258	GMOS	6.4
GN-2010A-Q-26	Bosch	AR	Star Formation in Circumnuclear Regions	NIFS+AltairLGS	3
GN-2010A-Q-27	Bosch	AR	The youngest and most luminous Giant HII regions: a link with HII galaxies	NIRI	6
GN-2010A-Q-28	Bock	US	First Science from HerMES: the final starbursts in massive galaxies at $0.5 < z < 1.0$	GMOS	20
GN-2010A-Q-29	Bibby	CA / UK	MOS spectroscopy of candidate WR progenitors of Type Ib/c SNe in the "Supernova Factory" NGC 6946	GMOS	16
GN-2010A-Q-30	Berger	GS	Exotic Explosions and Eruptions: Exploring a New Transient Phase-Space with Pan-STARRS	GMOS	6
GN-2010A-Q-31	Aspin	UH	Characterization of new FUor-like Young Stars	GMOS / Michelle / NIFS / NIRI	4.2
GN-2010A-Q-32	Allen	US	A Multi-Epoch Survey for Faint, Close, Low-Mass Tertiaries to Nearby Spectroscopic Binaries: The Second Epoch	NIRI+Altair	18

GS Scientific Ranking 2010A Band 1

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GS-2010A-Q-58	Leggett	GS	Measuring the Ages of New Old White Dwarfs Found in the UKIRT Infrared Sky Survey	GMOS-S	12.4
GS-2010A-Q-0	Miller		Test program	NICI	0
GS-2010A-Q-1	Worseck	AU / CL / UK / US	Surveying the Post-Reionization Universe with Quasar Spectroscopy	GMOS-S	18
GS-2010A-Q-2	Webb	CL	Spectroscopy of Infrared Galaxies in Clusters to $z = 1$	GMOS-S	9
GS-2010A-Q-3	Trilling	US	High quality optical photometry of NEOs in support of a Warm Spitzer program	GMOS-S	3.1
GS-2010A-Q-4	Tinney	AU/CL/UK	Imaging companions from the Anglo-Australian Planet Search	NICI	25.5
GS-2010A-Q-5	Fox	AU / CA / CL / GS / UK / US	Gamma-Ray Bursts: From Progenitors to Probes	GMOS-S	22

GS-2010A-Q-6	Pastorello	UK	The PS1 core-collapse supernova survey: deaths of very massive stars	GMOS-S	10
GS-2010A-Q-7	Onken	AU	Australia's 2010 Gemini School Astronomy Contest	GMOS-S	1
GS-2010A-Q-8	Mullaney	UK	Measuring the Ubiquity of AGN Outflows in the $z < 0.3$ Universe	GMOS-S	18
GS-2010A-Q-9	Moraes	BR	V842 Cen and RS Oph remnant anatomy using 2D spectral data	GMOS-S	6.4
GS-2010A-Q-10	Mason	GS	Searching for silicate emission in type 2 AGN	TReCS	2.5
GS-2010A-Q-11	Kasliwal	US	Transients in the Local Universe	GMOS-S	7
GS-2010A-Q-12	Jao	US	The Dancing Partners of Seven Dwarfs	Phoenix	17
GS-2010A-Q-13	Howell	UK / US	UV and Early-time Studies of the Evolution of Type Ia Supernovae	GMOS-S	13
GS-2010A-Q-14	Stritzinger	CL	Early and late phase spectroscopic study of supernovae in the Local Universe by the Chilean Millennium Center for Supernova Studies	GMOS-S	12
GS-2010A-Q-15	Garcia	AR	NICI Coronagraph images of Kuiper-Belt Analogous Nearby Stars	NICI	5
GS-2010A-Q-16	Gamen	AR	Searching for a possible wider companion of the very massive binary system WR 25	GMOS-S	0.5
GS-2010A-Q-17	Gaensicke	UK	Monitoring the real-time evolution of planetary debris discs around five white dwarfs	GMOS-S	3
GS-2010A-Q-18	de Wit	UK	Potential for mid-Infrared spectro-astrometry to reveal the accretion-outflow geometry in massive YSOs	TReCS	10.3
GS-2010A-Q-19	Berger	GS	Exotic Explosions and Eruptions: Exploring a New Transient Phase-Space with Pan-STARRS	GMOS-S	6
GS-2010A-Q-20	Bauer	CL	Probing the Dust Content in SN1996cr	TReCS	4.8
GS-2010A-Q-21	Bassino	AR / CL	Ultra-Compact Dwarfs in the Antlia cluster: searching for answers on their origin	GMOS-S	10.7
GS-2010A-Q-22	Balogh	CA / US	The transition of galaxy groups from an invigorating environment to a suffocating one	GMOS-S	40
GS-2010A-Q-23	Aragon-Salamanca	UK	The formation of Lenticular galaxies: high S/N spectroscopy of Virgo S0s	GMOS-S	9.7

GN Scientific Ranking 2010A Band 2

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GN-2010A-Q-33	Worseck	AU / CA / US	Surveying the Post-Reionization Universe with Quasar Spectroscopy	GMOS	40
GN-2010A-Q-34	Trujillo	GS/US	Primordial Solar System Ices	NIRI	22
GN-2010A-Q-35	Treister	UH	Deep Spectroscopy of a Sample of local Obscured AGN	GMOS	9
GN-2010A-Q-36	Stott	UK	The XCS/DXS search for the highest redshift galaxy clusters	GMOS	14.4

GN-2010A-Q-37	Steele	UK	White dwarfs with unresolved substellar companions in UKIDSS	NIRI	12
GN-2010A-Q-38	Seth	US	Surveying Nearby Nuclear Star Clusters	NIFS+AltairLGS / NIRI+AltairLGS	20.5
GN-2010A-Q-39	Schiavon	GS	NIR Color magnitude diagrams of the upper giant branch of M31 clusters	NIRI+Altair	6.5
GN-2010A-Q-40	Ryder	AU	ALTAIR Study of Supernovae in Luminous Infrared Galaxies	GMOS / NIRI+AltairLGS	9.5
GN-2010A-Q-41	Rupke	UH	Resolved Observations of Galactic Winds in Late-Stage Galaxy Mergers	GMOS	20
GN-2010A-Q-42	Riffel	BR / GS	The connection between inflows and outflows in nearby active galaxies	NIFS+Altair / NIFS+AltairLGS	8
GN-2010A-Q-43	Proctor	BR	Probing the dynamics in the outskirts of a Hickson compact group (II)	GMOS	5.7
GN-2010A-Q-44	Pinfield	AU/GS	Probing a new substellar temperature regime with the UKIDSS Large Area Survey	NIFS / NIRI	16.4
GN-2010A-Q-45	Pastorello	UK/UH	The PS1 core-collapse supernova survey: deaths of very massive stars	GMOS	10
GN-2010A-Q-46	Parker	CA	Weighing KBOs III: Continued Characterization Kuiper Belt Binaries	GMOS	6.6
GN-2010A-Q-47	Maccarone	CA / UK	Understanding the nature of the possible intermediate mass black hole in the Ursa Minor dwarf spheroidal galaxy	GMOS	1.4
GN-2010A-Q-48	Lucey	UK / US	The origin of S0 discs in the dense cluster environment	GMOS	27
GN-2010A-Q-49	Liu	US	The first direct mass measurement for the black hole in an ultraluminous X-ray source	GMOS	21
GN-2010A-Q-50	Kleyana	UH	Follow-up observations of MBCs found in PanSTARRS1	GMOS	5
GN-2010A-Q-51	Kamil	UK	Hanny's Voorwerp - UK Gemini School Competition	GMOS	1
GN-2010A-Q-52	GOTO	UH	AO imaging of QSO host galaxies at $z \sim 6$	NIRI+Altair / NIRI+AltairLGS	9
GN-2010A-Q-53	Glazebrook	AU / CA / US	Resolving the kinematics of high-redshift galaxy assembly	NIFS+AltairLGS	45
GN-2010A-Q-54	Crockett	UK / US	Detecting the progenitors of core collapse supernovae - precision astrometry with ALTAIR	NIRI+Altair / NIRI+AltairLGS	10
GN-2010A-Q-55	Crowther	UK	Unraveling the Wolf-Rayet population in the Whirlpool galaxy (M51)	GMOS	5.6
GN-2010A-Q-56	Crenshaw	US	The Connection Between Fueling Flows and Outflows in Active Galaxies: The Case of Markarian 3	NIFS+Altair	6
GN-2010A-Q-57	Constantin	US	Deciphering the least luminous AGN-like LINER and constraining the $M_{\text{BH}} - \sigma$ relation	NIFS+AltairLGS / NIRI+AltairLGS	3
GN-2010A-Q-58	Chun	UH	Star formation rates, metallicities, and redshifts of DLA absorber galaxies	GMOS	10
GN-2010A-Q-59	Bandara	CA	Beyond the Biggest and the Brightest: Integral Field Spectroscopy of Gravitationally Lensed Galaxies with Laser Guided Adaptive Optics	NIFS+AltairLGS	13.3

GN-2010A-Q-60	Aragon-Salamanca	UK	The formation of Lenticular galaxies: high S/N spectroscopy of Virgo S0s	GMOS	18.5
GN-2010A-Q-61	Aigrain	UK	Resolving the wide companion to the lowest-mass stellar eclipsing binary known in Orion with AO	NIRI+Altair	0.8

GS Scientific Ranking 2010A Band 2

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GS-2010A-Q-24	Young	US	The Jet-Cloud Interaction of PKS B2152-699	GMOS-S	20
GS-2010A-Q-25	Stapelfeldt	US	Coronagraphic Imaging Survey of a New Spitzer Debris Disk Sample	NICI	22.5
GS-2010A-Q-26	Sodre	BR	The nature of the extended feature in the central galaxy of the massive cool-core cluster RXC J1504-0248	GMOS-S	5.2
GS-2010A-Q-27	Smith	US	Late-time Photometry of Recent Optical Transients	GMOS-S	2
GS-2010A-Q-28	Rutledge	CA	Identifying the Nearest and Brightest Neutron Stars	GMOS-S	2.5
GS-2010A-Q-29	Roe	US	Titan's Methane Weather post-Equinox: Seasonal climate change and surface geology	NICI	10
GS-2010A-Q-30	Peshev	GS	Chemical Abundances in Giant Stars of Newly Discovered Infrared Globular Clusters.	Phoenix	11.5
GS-2010A-Q-31	Marois	CA / GS / UK / US	IDPS: a direct imaging survey of Jovian planets around young and close massive stars.	NICI	42
GS-2010A-Q-32	Malo	CA	Radial Velocity of Low-mass Candidates Members of Nearby Young Associations	Phoenix	26
GS-2010A-Q-33	Lu	CA/UK	Galaxy Transformation in Groups within the Accretion Zone of Clusters	GMOS-S	43.2
GS-2010A-Q-34	Jewitt	UK/US	Ice Near the Sun: The Main Belt Comets	GMOS-S	12.4
GS-2010A-Q-35	Hynes	UK	Spectroscopic Identification of X-ray Binaries in the Galactic Bulge Survey	GMOS-S	15.5
GS-2010A-Q-36	Hoyer	CL	Search for unseen companions around 4 transiting planets using Transit Timing Variations.(IV)	GMOS-S	9
GS-2010A-Q-37	Hanes	AR / AU / CA / UK / US	Dynamical Modelling of the Dark Halo, Black Hole, and Orbital Structure in NGC4649	GMOS-S	23
GS-2010A-Q-38	Stritzinger	CL	Early and late phase spectroscopic study of supernovae in the Local Universe by the Chilean Millennium Center for Supernova Studies	GMOS-S	12
GS-2010A-Q-39	Gallo	CA	Star Formation in the circumnuclear regions of Narrow Line Seyfert 1 galaxies. Southern Hemisphere	GMOS-S	2.8
GS-2010A-Q-40	Diaz	AR / BR / GS	Unveiling the central kinematics of Centaurus A.	Phoenix	12

GS-2010A-Q-41	Cidale	AR / CL	Origin and formation of circumstellar disks around B[e] supergiants	Phoenix	7.3
GS-2010A-Q-42	Barnes	AU	DDD-CHaMP: A search for dusty disks and deeply embedded objects in massive star-forming regions	TReCS	9.2

GN Scientific Ranking 2010A Band 3

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GN-2010A-Q-62	Zijlstra	UK	Evolving remnants of CK Vul	GMOS	8.5
GN-2010A-Q-63	Yeh	CA	Embedded star formation in M82	GMOS / Michelle	4.6
GN-2010A-Q-64	Wright	AU	Magnetic fields toward massive Young Stellar Objects	Michelle	7.5
GN-2010A-Q-65	Verma	UK	The extensive Galaxy Zoo LENSing Survey - eGZeLENS	GMOS	43
GN-2010A-Q-66	van den Bosch	CA	Beyond SAURON: A GMOS/IFU Study of Early-Type Dwarf Galaxies in the Virgo Cluster	GMOS	12.8
GN-2010A-Q-67	Trafton	US	Search for Enhancement of Unidentified Titan Absorption Features over Xanadu and for Titan CH ₄ Humidity Gradients	NIFS+Altair	15
GN-2010A-Q-68	Stockton	UH	Spectroscopy of Candidate Low-Redshift Analogs of Compact, Massive Early-Type Galaxies at High Redshifts	GMOS	14.2
GN-2010A-Q-69	Steele	UK	White dwarfs with unresolved substellar companions in UKIDSS	NIRI	7.7
GN-2010A-Q-70	Smith	US	Late-time Photometry of Recent Optical Transients	GMOS / NIRI	18
GN-2010A-Q-71	Rutledge	CA	Identifying the Nearest and Brightest Neutron Stars	GMOS	7.5
GN-2010A-Q-72	Reynolds	US	The Mass of the Black Hole in the Galactic Microquasar GRS 1915+105	NIFS	10
GN-2010A-Q-73	Raychaudhury	UK	A serendipitous survey of groups of galaxies from deep Chandra X-ray observations	GMOS	9
GN-2010A-Q-74	Pilling	BR	Chemical evolution of protostellar ices: A comparison between observation and laboratory experiments.	Michelle	2.3
GN-2010A-Q-75	Patience	AU/CA/UK/US	Resolving the A-star Binary Population with Gemini AO	NIRI+Altair	11.6
GN-2010A-Q-76	Parker	CA	Weighing KBOs III: Continued Characterization Kuiper Belt Binaries	GMOS	6
GN-2010A-Q-77	Morrison	UH	The assembly of the brightest cluster galaxies: Abell 2125 as a test-case	GMOS	22.4
GN-2010A-Q-78	Matsuura	UK	Near infrared 3-d observations of the starburst galaxy, M82	NIFS	16
GN-2010A-Q-79	Matson	US	The Structure of Mass Loss from Massive Stars	NIFS	50
GN-2010A-Q-80	Liu	UH	Confirmation of Pan-STARRS-selected Ultracool Dwarfs	NIRI	7

GN-2010A-Q-81	Leggett	GS	Red Photometry of Cold Brown Dwarfs	GMOS	13
GN-2010A-Q-82	Kepler	BR	The Most Massive White Dwarf Stars	GMOS	3
GN-2010A-Q-83	Keane	UH	K-band spectroscopy of CO overtone bands to spectral type background stars.	NIFS / NIRI	14.9
GN-2010A-Q-84	Kavelaars	CA	ToO tracking of the NGVS KBO sample.	GMOS	10
GN-2010A-Q-85	Jarvis	UK	The search for radio sources within the Epoch of Reionization	GMOS	10.1
GN-2010A-Q-86	Janson	CA	Follow-up and first epoch completion of the NIRI B-star survey	NIRI+Altair	8.5
GN-2010A-Q-87	James	UH	Moderate Resolution Spectroscopy of NSV 10993: A Cepheid as a Candidate Member of an Eclipsing Binary System	GMOS	9.1
GN-2010A-Q-88	Hogan	GS	A Direct Imaging Search for Planetary Mass Companions to a Dusty White Dwarf: Second Epoch	NIRI	1.6
GN-2010A-Q-89	Harrison	UK	A spectroscopic analysis of the stellar populations of fossil groups	GMOS	26
GN-2010A-Q-90	Granada	AR	IR monitoring of the expanding envelope of Be stars	NIRI	3
GN-2010A-Q-91	Gerke	US	Follow-up of candidate dual-SMBH galaxies with long-slit spectroscopy	GMOS	40
GN-2010A-Q-92	Geballe	GS	Additional probes of the Galactic center's interstellar medium	NIRI	23
GN-2010A-Q-93	Gallo	CA	Star Formation in the circumnuclear regions of Narrow Line Seyfert 1 galaxies. Northern Hemisphere	GMOS	3.4
GN-2010A-Q-94	Gaensicke	UK	Monitoring the real-time evolution of planetary debris discs around five white dwarfs	GMOS	4.7
GN-2010A-Q-95	Fritz	GS	Kinematics and stellar populations of the most massive galaxies	GMOS	12
GN-2010A-Q-96	Ellison	CA / US	Accurate redshifts for distant quasars: probing massive galaxies through QSO absorption lines	NIRI	22.7
GN-2010A-Q-97	Egami	US	Gemini/Palomar Near-IR Spectroscopy of Powerful H ₂ Emission from Brightest Cluster Galaxies	NIFS	23
GN-2010A-Q-98	Dobbie	AU	Probing the stellar initial mass-final mass relation with wide double-degenerate binaries - the A semester systems	GMOS	5.6
GN-2010A-Q-99	De Rosa	UK	A Possible Oasis in the Desert: Substellar Companions to A-type Stars	NIRI+Altair	5.6
GN-2010A-Q-100	Cote	CA	Measuring mass-to-light in nearby dwarf spheroidal galaxies	GMOS	5.2
GN-2010A-Q-101	Brotherton	BR	The Nature of Post-Staburst Quasars	GMOS	4.4
GN-2010A-Q-102	Bresolin	UH	Nebular abundances near the super star cluster in NGC 6946	GMOS	5.3
GN-2010A-Q-103	Axon	UK	Spectroastrometry of "Kicked" Supermassive Black Holes	GMOS	2
GN-2010A-Q-104	Alonso	AR	The Evolution of Intermediate-Mass, Low X-ray Galaxy Clusters	GMOS	8.1

GS Scientific Ranking 2010A Band 3

Ref. No.	PI	Partner(s)	Title	Instrument(s)	Hrs
GS-2010A-Q-43	Zoccali	CL	Multiple Stellar Populations in the Globular Cluster M22: a study of C+N+O abundances.	Phoenix	12
GS-2010A-Q-44	Young	US	Pluto's Atmospheric CH ₄ : Variations in time, space, and altitude	Phoenix	15
GS-2010A-Q-45	Yong	AU/US	Fluorine abundances in thin and thick disk stars	Phoenix	13.7
GS-2010A-Q-46	Winge	GS	Identifying star formation and nuclear activity in interacting galaxies	GMOS-S	11
GS-2010A-Q-47	Webb	CA	Spectroscopy of Infrared Galaxies in Clusters to $z = 1$	GMOS-S	16.7
GS-2010A-Q-48	Villanova	CL	Chemical abundances of C, N, and F in M4 giant stars: The origin of the multipopulations in Globular Clusters	Phoenix	20
GS-2010A-Q-49	Verma	UK	The extensive Galaxy Zoo LENSing Survey - eGZeLENS	GMOS-S	41
GS-2010A-Q-50	Vega Neme	AR/CL	Unveiling the nature of Blue Compact Dwarf galaxies with IFU	GMOS-S	16.2
GS-2010A-Q-51	Vaduvescu	AR/UK	The ABC of BCDs: Antlia Cluster	GMOS-S	15
GS-2010A-Q-52	Trancho	GS	Gemini Spectroscopy of Clusters in Interacting/Merging Galaxies Survey: NGC7252	GMOS-S	10
GS-2010A-Q-53	Simpson	US	G333.466-0.163 (IRAS 16175-5002) - A Cluster of Massive Young Stellar Objects	TReCS	6
GS-2010A-Q-54	Schawinski	US	Deep spectroscopy of a sample of local obscured AGN	GMOS-S	11
GS-2010A-Q-55	Rembold	BR	The dynamical state of the cluster of galaxies LCDCS-S001	GMOS-S	3
GS-2010A-Q-56	Raychaudhury	AR	Spectroscopy of globular clusters of NGC 5044: evolution and dynamics	GMOS-S	5.9
GS-2010A-Q-57	Motta	CL	The innermost density profile of dark matter halos in galaxy groups	GMOS-S	10.5
GS-2010A-Q-58	Leggett	GS	Measuring the Ages of New Old White Dwarfs Found in the UKIRT Infrared Sky Survey	GMOS-S	12.4
GS-2010A-Q-59	Kacprzak	AU	The Origins of Halo Gas	GMOS-S	5
GS-2010A-Q-60	Indriolo	US	Using H ₃ ⁺ Observations to Estimate the Interstellar H ₂ Temperature	Phoenix	4
GS-2010A-Q-61	Hynes	CA	Spectroscopic Identification of X-ray Binaries in the Galactic Bulge Survey	GMOS-S	7.7
GS-2010A-Q-62	Hrivnak	US	Testing the Binary Hypothesis for Bipolar Proto-Planetary Nebulae	Phoenix	15
GS-2010A-Q-63	Hoyer	CL	Search for unseen companions around 4 transiting planets using Transit Timing Variations.(IV)	GMOS-S	10
GS-2010A-Q-64	Hillwig	US	Determining the System Parameters for Poorly Studied Binary Central Stars of Planetary Nebulae: Spectroscopy	GMOS-S	10

GS-2010A-Q-65	Gomez	GS	Exploring the Origin of the Radio Relic in Abell 13	GMOS-S	3
GS-2010A-Q-66	Gibson	UK	Stellar Chemical Abundance Gradients in Disk Galaxies: The Influence of Bars	GMOS-S	17.6
GS-2010A-Q-67	Gerke	US	Follow-up of candidate dual-SMBH galaxies with long-slit spectroscopy	GMOS-S	20
GS-2010A-Q-68	Gallardo	CL	High resolution near-IR spectroscopic characterization of post-common envelope low mass companions among nearby WDs	Phoenix	5.5
GS-2010A-Q-69	Frebel	US	Testing for the existence of massive Population III stars with stellar archaeology	Phoenix	11
GS-2010A-Q-70	Dobbie	AU	Probing the stellar initial mass-final mass relation with wide double-degenerate binaries - the southern A semester systems	GMOS-S	3.5
GS-2010A-Q-71	Cypriano	BR	Quasar pairs as beacons of high redshift clusters	GMOS-S	7.6
GS-2010A-Q-72	Clowes	UK	Verifying a large-scale structure at $z \sim 2$ using GMOS-S	GMOS-S	21.4
GS-2010A-Q-73	Clayton	CA	R Coronae Borealis Stars in NGC 6822	GMOS-S	19.6
GS-2010A-Q-74	Bernath	UK	Carbon Chain Circumstellar Chemistry in Carbon Stars	Phoenix	15