IceCube M&O Staffing Matrix sort by Institutions v10.0 2011.0422

Institution	Labor Cat.	Names	Tasks	2.1 Program Management	2.2 Detector Operations & Maintenance	2.3 Computing And Data Management	2.4 Triggering And Filtering	2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
ALBERTA	KE	GRANT, DARREN	Maintenance of IceCube-Photonics interface					0.10	0.10
			TFT Board member				0.10		0.10
			WestGrid computing			0.10			0.10
	KE Total					0.10	0.10	0.10	0.30
	GR	WOOD, TANIA	WestGrid computing			0.20			0.20
	GR Total					0.20			0.20
ALBERTA Total						**0.30**	**0.10**	**0.10**	**0.50**
BARBADOS	KE	SEUNARINE, SURUJ	Analysis of flasher runs for inice calibration of saturation, and flasher and Standard Candle runs for absolute energy calibration for cascades.					0.15	0.15
			Work on cascade filter				0.15		0.15
	KE Total						0.15	0.15	0.30
BARBADOS Total							**0.15**	**0.15**	**0.30**
BOCHUM	KE	BECKER, JULIA	Pubcom member	0.10					0.10
			Update MMC from Java to C++					0.10	0.10
	KE Total			0.10				0.10	0.20
	GR	OLIVO, MARTINO	Monte Carlo Validation					0.10	0.10
		UBOCHUM GR	Detector Monitoring		0.03				0.03
	GR Total				0.03			0.10	0.13
BOCHUM Total				**0.10**	**0.03**			**0.20**	**0.33**
BONN	KE	KOWALSKI, MAREK	Cascade WG Co-Chair				0.25		0.25
			TFT Board member				0.10		0.10
	KE Total						0.35		0.35
	PO	BOSSER, SEBASTIAN	Run Coordinator		0.50				0.50
			TFT Board member				0.10		0.10
	PO Total				0.50		0.10		0.60
	GR	FRANCKOWIAK, ANNA	Alert System for follow-up				0.10		0.10
		HOMRIER, ANDREAS	Alert System for follow-up				0.10		0.10
		PANKNIN, SEBASTIAN	IC-40 L3 processing					0.20	0.20
		UBONN GR	Detector Monitoring		0.03				0.03
			Reconstruction/ Analysis tools					0.20	0.20
	GR Total				0.03		0.20	0.40	0.63
BONN Total					**0.53**		**0.65**	**0.40**	**1.58**
CAU	KE	JAPARIDZE, GEORGE	Monitoring shifts		0.02				0.02
	KE Total				0.02				0.02
CAU Total					**0.02**				**0.02**
CHIBA	KE	YOSHIDA, SHIGERU	Maintain Romeo, EHE Simulations, Calibration using Standard Candles					0.20	0.20
	KE Total							0.20	0.20
	SC	ISHIHARA, AYA	EHE and Brights WG co-chair				0.25		0.25
			EHE Filters				0.15		0.15
		KEIICHI MASE	Maintain Romeo, EHE Simulations, Maintain reconstruction projects (Portia), MC/Data comparison for EHE-filtered and IceTop events, Standard Candle Analysis					0.20	0.20
	SC Total						0.40	0.20	0.60
	GR	CHIBA GR	Detector Monitoring		0.03				0.03
			Improve the Ice Model, Afterpulse Simulator, Standard Candle Analysis, Maintain reconstruction projects (Ophelia, ehe-star)					0.20	0.20
	GR Total				0.03			0.20	0.23
CHIBA Total					**0.03**		**0.40**	**0.60**	**1.03**
DESY	KE	NAHNHAUER, ROLF	Acoustic R&D Support	0.10					0.10
		SPIERING, CHRISTIAN	ExecCom member	0.20					0.20
		WALTER, MICHAEL	Simulation Production Cluster			0.20			0.20
	KE Total			0.30		0.20			0.50
	SC	BENABDERRAHMANE, LOFTI	Deputy Monitoring Coordinator		0.20				0.20
		BERGMANN, JENS	Simulation Production Cluster			0.25			0.25
		DESY SC	Detector Monitoring		0.06				0.06
		SULANKE, K.-H.	DAQ Firmware Support		0.15				0.15
	SC Total				0.41	0.25			0.66
	GR	ACHIM STOESSL	Flasher Analysis		0.20				0.20
		DESY GR	Detector Monitoring		0.12				0.12
			Simulation Production Cluster			0.15			0.15
		EIKE MIDDELL	Flasher Analysis		0.10				0.10
		FRANKE, ROBERT	Online Filter for Alerts				0.10		0.10
			Rate Data Bank South Pole				0.10		0.10
		KISLAT, FABIAN	Reconstruciton Coordinator (acting), Maintain Reconstruction Framework			0.15			0.15
		MIDDELL, EIKE	Cascade Reconstruction					0.30	0.30
	GR Total				0.42	0.30	0.20	0.30	1.22
	AD	DESY AD	Host Fall Collaboration Meeting	0.00					0.00
	AD Total			0.00					0.00
	TE	DESY TE	European Data Center -Distributed Computing and Labor			2.00			2.00
	TE Total					2.00			2.00
DESY Total				**0.30**	**0.83**	**2.75**	**0.20**	**0.30**	**4.38**
DTMND	SC	PIELOTH, DAMIAN	Coordinate GRID computing in Germany			0.25			0.25
	SC Total					0.25			0.25
	GR	DTMD GR	Detector Monitoring		0.03				0.03
			Simulation Production			0.40			0.40
		MILKE, NATALIE	Simulation Programs: noise-generator					0.20	0.20
	GR Total				0.03	0.40		0.20	0.63
DTMND Total					**0.03**	**0.65**		**0.20**	**0.88**

Institution	Labor Cat.	Names	Tasks	2.1 Program Management	2.2 Detector Operations & Maintenance	2.3 Computing And Data Management	2.4 Triggering And Filtering	2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
EPFL	KE	EPFL KE	Acoustic R&D Support	0.10					0.10
	KE Total			0.10					0.10
	SC	EPFL SC	SLF, Low Energy, Energy reconstruction (development)					0.25	0.25
	SC Total							0.25	0.25
	GR	EPFL GR	Detector Monitoring		0.03				0.03
	GR Total				0.03				0.03
EPFL Total				**0.10**	**0.03**			**0.25**	**0.38**
GENT	SC	UGENT SC	Acoustic R&D Support	0.05					0.05
			Support IceTop Simulations, IceTop Calibrations, IceTop Reconstruction					0.10	0.10
	SC Total			0.05				0.10	0.15
	GR	UGENT GR	Acoustic R&D Support	0.05					0.05
			Detector Monitoring		0.03				0.03
			Support IceTop Simulations, IceTop Calibrations, IceTop Reconstruction					0.40	0.40
	GR Total			0.05	0.03			0.40	0.48
GENT Total				**0.10**	**0.03**			**0.50**	**0.63**
GTECH	KE	TABOADA, IGNACIO	Speakers Comm Chair	0.25					0.25
			TFT Board Chair				0.25		0.25
	KE Total			0.25			0.25		0.50
	PO	TEPE, ANDREAS	Simulation Production			0.20			0.20
	PO Total					0.20			0.20
	GR	DAUGHHETEE, JACOB	Standard Candle Vertex and Energy Calibration		0.20				0.20
		GTECH GR	Monitoring shifts		0.03				0.03
	GR Total				0.23				0.23
GTECH Total				**0.25**	**0.23**	**0.20**	**0.25**		**0.93**
HUMBOLDT	KE	HUMB KE	Reconstruction/ Analysis tools					0.10	0.10
		KOLANOSKI, HERMANN	CR-WG Co Chair				0.25		0.25
	KE Total						0.25	0.10	0.35
	GR	HUMB GR	Detector Monitoring		0.03				0.03
		KISLET, FABIAN	Reconstruction software manager					0.25	0.25
	GR Total				0.03			0.25	0.28
HUMBOLDT Total					**0.03**		**0.25**	**0.35**	**0.63**
KU	KE	BESSON, DAVE	EMI - Radio R&D	0.10					0.10
			Monitoring shifts		0.02				0.02
	KE Total			0.10	0.02				0.12
KU Total				**0.10**	**0.02**				**0.12**
LBNL	KE	KIRYLUK,JOANNA	Cascade WG Co Chair				0.25		0.25
		KLEIN,SPENCER	Diffuse WG Co-chair of				0.25		0.25
			Pubcom member	0.10					0.10
			Supervise LBNL effort	0.05					0.05
		NYGREN,DAVID R	Track Engine Trigger		0.10				0.10
	KE Total			0.15	0.10		0.50		0.75
	SC	KIRYLUK,JOANNA	BadDomList		0.20				0.20
			Flasher Runs		0.10				0.10
			Simulation Production on PDSF			0.20			0.20
	SC Total				0.30	0.20			0.50
	PO	GERHARDT,LISA	Simulation Programs: cmc					0.20	0.20
		LBNL PO	DOM simulator & calibrator					0.35	0.35
			Monitoring shifts		0.09				0.09
	PO Total				0.09			0.55	0.64
	EN	STEZELBERGER,THORSTEN	Maintain DAQ Hardware (Hubs, DOR, Clocks, GPS,...)		0.15				0.15
	EN Total				0.15				0.15
LBNL Total				**0.15**	**0.64**	**0.20**	**0.50**	**0.55**	**2.04**
MAINZ	KE	KÖPKE, LUTZ	ExecCom member	0.20					0.20
	KE Total			0.20					0.20
	SC	AHRENS, JENS	Simulation Production			0.15			0.15
	SC Total					0.15			0.15
	GR	KROLL, GÖSTA	SuperNova Operations		0.50				0.50
		SCHATTO, KAI	Monitoring IceCube Live integration		0.10				0.10
			Reconstruction Tools					0.30	0.30
		UM GR	Detector Monitoring		0.05				0.05
		WIEBE, KLAUS	Checking the low energy level 2 filter					0.20	0.20
			Simulation Production			0.20			0.20
	GR Total				0.65	0.20		0.50	1.35
MAINZ Total				**0.20**	**0.65**	**0.35**		**0.50**	**1.70**
MPI	KE	RESCONI, ELISA	Analysis Coordinator	0.50					0.50
	KE Total			0.50					0.50
	PO	MPI PO	Data Quality & DeepCore					0.60	0.60
	PO Total							0.60	0.60
	GR	MPI GR	Detector Monitoring		0.05				0.05
	GR Total				0.05				0.05
MPI Total				**0.50**	**0.05**			**0.60**	**1.15**
OSU	PO	OSU PO	Monitoring shifts		0.02				0.02
			Outreach	0.05					0.05
		ROTT, CARSTEN	Maintain good run list		0.20				0.20
	PO Total			0.05	0.22				0.27
OSU Total				**0.05**	**0.22**				**0.27**
PSU	KE	COWEN, DOUG	Education & Outreach	0.05					0.05
			ExecCom member	0.20					0.20
			Hybrid/Tau WG Chair				0.25		0.25
		DEYOUNG, TYCE	Deep Core WG - Co Chair				0.25		0.25
			Education & Outreach	0.05					0.05
	KE Total			0.30			0.50		0.80

Institution	Labor Cat.	Names	Tasks	2.1 Program Management	2.2 Detector Operations & Maintenance	2.3 Computing And Data Management	2.4 Triggering And Filtering	2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
	PO	CABALLERO-MORA, KAREN	Coordination and Support for Grid and distributed computing			0.25			0.25
			develop starting track reconstruction					0.08	0.08
			Simulation Production			0.17			0.17
		KOSKINEN, JASON	Coordinate Deep Core reconstruction for production					0.12	0.12
			develop and verify Deep Core filters				0.18		0.18
			Monitoring shifts		0.03				0.03
	PO Total				0.03	0.42	0.18	0.20	0.82
	GR	DUNKMAN, MATT	develop and verify Deep Core filters				0.25		0.25
			develop starting track reconstruction - hybrid reco.					0.25	0.25
			Monitoring shifts		0.03				0.03
	GR Total				0.03		0.25	0.25	0.53
PSU Total				**0.30**	**0.06**	**0.42**	**0.93**	**0.45**	**2.15**
RWTH	KE	WIEBUSCH, CHRISTOPHER	Coordinate BMBF Funding	0.10					0.10
	KE Total			0.10					0.10
	PO	BOERSMA, DAVID RWTH	Gal Cen Filter & Moon Filter				0.15		0.15
			Maintain Reconstruction Framework			0.10			0.10
			muon channel WG Co. Chair				0.25		0.25
			Reconstruction Coordinator					0.15	0.15
		LAIHEM, KARIM	Acoustic R&D Support	0.20					0.20
			MonteCarlo simulations of Cherenkov light yield			0.10			0.10
	PO Total			0.20		0.20	0.40	0.15	0.95
	GR	BISSOK, MARTIN	Gal Cen Filter				0.10		0.10
		BLUMENTHAL, JAN	Muon reconstruction					0.10	0.10
		EULER, SEBASTIAN.	Finite track reconstruction					0.20	0.20
		PAUL, LARRISA	RASTA & SPATS monitoring		0.10				0.10
			Simulation Production on cluster/GRID			0.25			0.25
		RWTH GR	Development of processing scripts for L2/L1 processing					0.20	0.20
			Development of the slow monopole trigger				0.20		0.20
			Monitoring (3 weeks)		0.09				0.09
		SCHUKRAFT, ANNE	Photonics Production			0.25			0.25
		SCHUNCK, MATTHIAS	Energy Reconstruction					0.20	0.20
			Simulation Production on cluster/GRID			0.25			0.25
		WALLRAFF, MARIUS	New Feature Extractor					0.30	0.30
	GR Total				0.19	0.75	0.30	1.00	2.24
RWTH Total				**0.30**	**0.19**	**0.95**	**0.70**	**1.15**	**3.29**
SU	KE	FINLEY, CHAD SU	Coordination with LIGO	0.10					0.10
			Point Sou\rce WG Chair				0.25		0.25
			Simulation Programs: neutrino-generator					0.20	0.20
		HULTH, PER OLOF	ExecCom member	0.20					0.20
			ICB Member	0.05					0.05
			Low Energy DeepCore WG Co Chair				0.25		0.25
		HULTQVIST, KLAS	ICB Member	0.05					0.05
			Simulation Work, hit-maker					0.10	0.10
		WALCK, CHRISTIAN	Publications Bookkeeping	0.10					0.10
	KE Total			0.50			0.50	0.30	1.30
	SC	SEO, SEON-HEE	Develop & verify filters				0.05		0.05
			Photonics/Simulation Work					0.15	0.15
		SU SC	Computing Resources			0.40			0.40
	SC Total					0.40	0.05	0.15	0.60
	GR	DANNINGER, MATTIAS	WIMP Trigger & Filter				0.15		0.15
		SU GR	Detector Monitoring		0.06				0.06
		ZOLL, MARCEL	UHE Trigger & Filter				0.10		0.10
	GR Total				0.06		0.25		0.31
SU Total				**0.50**	**0.06**	**0.40**	**0.80**	**0.45**	**2.21**
SUBR	KE	FAZELY, ALI	GEANT Simulation					0.15	0.15
			Reconstruction/ Analysis tools					0.15	0.15
		IMLAY, RICHARD	Reconstruction/ Analysis tools					0.15	0.15
			Simulation Programs					0.15	0.15
	KE Total							0.60	0.60
	SC	TER-ANTONYAN, SAMVEL	Detector Monitoring		0.02				0.02
			LONI Grid computing			0.30			0.30
	SC Total				0.02	0.30			0.32
SUBR Total					**0.02**	**0.30**		**0.60**	**0.92**
UA	KE	TOALE, PATRICK	Software Coordinator	0.75					0.75
		WILLIAMS, DAWN	Data Quality Lead					0.15	0.15
			managing flasher runs and other calibrations (stage 2 geometry)		0.15				0.15
	KE Total			0.75	0.15			0.15	1.05
	PO	ZARZHITZKY, PAVEL	Monitoring shifts		0.03				0.03
			Simulation verification					0.30	0.30
	PO Total				0.03			0.30	0.33
	GR	XU, DONGLIAN	DeepCore simulation verification					0.10	0.10
			Improvements to low energy analysis framework					0.10	0.10
			Low-energy cascade calibration with flashers		0.10				0.10
			Monitoring shifts		0.03				0.03
	GR Total				0.13			0.20	0.33
UA Total				**0.75**	**0.31**			**0.65**	**1.71**
UAA	KE	RAWLINS, KATHERINE	flat-ntuple; muon-bundle-reco; Snow correction for IceTop					0.30	0.30
			Monitoring shifts		0.02				0.02
	KE Total				0.02			0.30	0.32
UAA Total					**0.02**			**0.30**	**0.32**
UC	GR	UC GR	Detector Monitoring		0.02				0.02
			Flasher Runs		0.10				0.10
	GR Total				0.12				0.12

Institution	Labor Cat.	Names	Tasks	2.1 Program Management	2.2 Detector Operations & Maintenance	2.3 Computing And Data Management	2.4 Triggering And Filtering	2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
UC Total					**0.12**				**0.12**

| | | | | 2.1 Program Management | 2.2 Detector Operations & Maintenance | 2.3 Computing And Data Management | 2.4 Triggering And Filtering | 2.5 Data Quality, Reconstruction & Simulation Tools | |

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Institution	Labor Cat.	Names	Tasks	2.1 Program Management	2.2 Detector Operations & Maintenance	2.3 Computing And Data Management	2.4 Triggering And Filtering	2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
UCB	KE	PRICE, BUFORD	Education & Outreach	0.10					0.10
	KE Total			0.10					0.10
	SC	FILIMONOV, KIRILL	Coordinate Monitoring		0.50				0.50
			Pubcom member	0.10					0.10
		UCB SC	Monitoring shifts		0.02				0.02
		WOSCHNAGG, KURT	Calibration Lead		0.15				0.15
			Diffuse / atmosnu WG chair				0.25		0.25
			Maintain and Verify Simulation of Photon Propagation and update Ice Properties					0.50	0.50
			Speakers Comm member	0.10					0.10
	SC Total			0.20	0.67		0.25	0.50	1.62
	GR	UCB GR	Calibration		0.10				0.10
			Monitoring shifts		0.02				0.02
	GR Total				0.12				0.12
UCB Total				**0.30**	**0.78**		**0.25**	**0.50**	**1.83**
UCI	PO	SILVERSTRI, ANDREA	Monitoring shifts		0.01				0.01
	PO Total				0.01				0.01
	GR	HANSON, JORDAN	Monitoring shifts		0.01				0.01
	GR Total				0.01				0.01
UCI Total					**0.02**				**0.02**
UD	KE	GAISSER, TOM	ExecCom member	0.20					0.20
		SECKEL, DAVID	TFT Board member				0.10		0.10
		UD KE	DAQ Monitoring		0.05				0.05
	KE Total			0.20	0.05		0.10		0.35
	SC	UD SC	Coordinate IceTop Operations		1.00				1.00
	SC Total				1.00				1.00
	PO	BERGHAUS, PATRICK - UD	moun channel WG Co. Chair				0.25		0.25
			TFT Board member				0.10		0.10
		HUSSAIN, SHAHID	Ice Properties Simulation					0.30	0.30
			IceTop Simulation Production			0.15			0.15
		KUWABARA, TAKAO	Temp. & Pressure atmospheric monitoring		0.25				0.25
	PO Total				0.25	0.15	0.35	0.30	1.05
	GR	RUZYBAEV , BAKHTIYAR	Ice Properties Simulation					0.30	0.30
		XU, CHEN	Simulation Programs: sim-services					0.30	0.30
	GR Total							0.60	0.60
UD Total				**0.20**	**1.30**	**0.15**	**0.45**	**0.90**	**3.00**
ULB	KE	BERTRAND, DANIEL	ExecCom member	0.20					0.20
		HANSON, KAEL ULB	Data Acquisition		0.20				0.20
			EMI/R&D	0.10					0.10
			TFT Board member				0.10		0.10
	KE Total			0.30	0.20		0.10		0.60
	PO	MAROTTA, ALBERTO	Computer Cluster - simulation			0.30			0.30
			Maintain and Operate Database Systems (I3OmDb)			0.20			0.20
	PO Total					0.50			0.50
	GR	ULB GR	Detector Monitoring		0.03				0.03
			Study of Tau Filters at South Pole				0.10		0.10
	GR Total				0.03		0.10		0.13
ULB Total				**0.30**	**0.23**	**0.50**	**0.20**		**1.23**
UMD	KE	HOFFMAN, KARA	Detector R&D	0.20					0.20
		SULLIVAN, GREG	ExecCom member	0.20					0.20
			Spokesperson	0.30					0.30
		UMD KE	E&O	0.10					0.10
	KE Total			0.80					0.80
	SC	BLAUFUSS, ERIK	Core Software			0.00			0.00
			filter requests, bandwidth, TFT Board Member				0.30		0.30
			GRB WG Chair				0.25		0.25
			Maintain PnF Software and Online Filters		0.20				0.20
		SCHMIDT, TORSTEN	Maintain Core Analysis Framework (IceTray)			0.50			0.50
			Maintain PnF Software and Online Filters		0.25				0.25
	SC Total				0.45	0.50	0.55		1.50
	PO	OLIVAS, ALEX	Exotics- WG chair				0.25		0.25
			Pubcom member	0.10					0.10
			Simulation Software Programs coordinator					0.40	0.40
		UMD PO	Monitoring shifts		0.03				0.03
		WISSING, HENRIKE	develop & test reconstruction					0.13	0.13
			EHE and Brights WG co-chair				0.25		0.25
			Maintain Detector Simulation (IceSim)					0.13	0.13
			Pubcom member	0.10					0.10
	PO Total			0.20	0.03		0.50	0.65	1.38
	GR	CHRISTY, BRIAN	Simulation Production coordination			0.25			0.25
		HELLAUER, ROBERT	Prepare datasets for filter testing and common MC datasets for testing				0.20		0.20
		MEAGHER, KEVIN	Core Software			0.50			0.50
		REDL, PETER	Maintain Detector Simulation (IceSim)					0.25	0.25
			Online Filter Testing		0.25				0.25
			Reconstruction/ Analysis tools					0.25	0.25
		UMD GR	Core Software			0.25			0.25
			Monitoring shifts		0.06				0.06
	GR Total				0.31	1.00	0.20	0.50	2.01
	CS	UMD CS	Maintain Core Software Repository			0.25			0.25
	CS Total					0.25			0.25
	TE	STRASZHEIM, TROY	Maintain Core Analysis Framework (IceTray)			0.88			0.88
		UMD TE	Coordination and Support for Grid and distributed computing			0.25			0.25
	TE Total					1.13			1.13
UMD Total				**1.00**	**0.79**	**2.88**	**1.25**	**1.15**	**7.07**
UMH	GR	KOHNEN, GEORGE	Detector Monitoring		0.03				0.03

Institution	Labor Cat.	Names	Tasks	2.1 Program Management	2.2 Detector Operations & Maintenance	2.3 Computing And Data Management	2.4 Triggering And Filtering	2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
			IC database management			0.30			0.30
	GR Total				0.03	0.30			0.33
UMH Total					**0.03**	**0.30**			**0.33**
UOX	KE	SARKAR, SUBIR	Detector Monitoring		0.02				0.02
			Yellow Book-maintenance					0.10	0.10
	KE Total				0.02			0.10	0.12
UOX Total					**0.02**			**0.10**	**0.12**
UU	KE	BOTNER, OLGA	Outreach	0.05					0.05
			Pubcom Chair	0.40					0.40
		DE LOS HEROS, CARLOS	TFT Board member				0.10		0.10
			WIMP WG Chair				0.25		0.25
		HALLGREN, ALLAN	Acoustic R&D Support	0.10					0.10
			online filter development				0.05		0.05
			Outreach	0.05					0.05
			Speakers Comm member	0.10					0.10
	KE Total			0.70			0.40		1.10
	PO	MILLER, JONATHAN	Flasher Calibration		0.20				0.20
			Simulation Programs: photonics					0.05	0.05
	PO Total				0.20			0.05	0.25
	GR	HENRIC, TAAVOLA	Online filter development & testing				0.10		0.10
		STROM, RICKARD	Online filter development & testing				0.10		0.10
		UU GR	Detector Monitoring		0.03				0.03
	GR Total				0.03		0.20		0.23
UU Total				**0.70**	**0.23**		**0.60**	**0.05**	**1.58**
UW	KE	HALZEN, FRANCIS	Principle Investigator	0.42					0.42
		KARLE, ALBRECHT	Associate Director for Science and Instrumentation	0.42					0.42
		MARUYAMA, REINA	Supernova WG Chair				0.25		0.25
		MONTARULI, TERESA	TFT Board member				0.10		0.10
		WESTERHOFF, STEFAN	CR-WG Co Chair				0.10		0.10
			Pubcom member	0.10					0.10
		YECK, JAMES	Director of Operations	0.75					0.75
	KE Total			1.68			0.45		2.13
	SC	CHIRKIN, DMITRY	Direct photon tracking / iceproperties calibration 0.3 ; FE/pulse extractor 0.1 ; reco software 0.1					0.40	0.40
			Simulation Programs: mmc/mmc-icetray and ucr-icetray					0.20	0.20
		DESIATI, PAOLO	Coordination of Simulation Production			0.70			0.70
			TFT Board member				0.10		0.10
		HILL, GARY	Maintain and Verify Simulation of Photon Propagation and update Ice Properties					0.30	0.30
			Offline processing					0.20	0.20
			Weekly call, ICC support	0.20					0.20
		KRASBERG, MARK	DOM Cal Maintenance, DOM Monitoring snd Troubleshooting		0.35				0.35
			Provide Real-time System Monitoring and Paging		0.20				0.20
			Winterovers coordinator		0.25				0.25
		LANDSMAN, YAEL HAGAR	Science Support	0.25					0.25
		WENDT, CHRISTOPHER	DOM CAL Maintenance		0.25				0.25
			Prepare and Evaluate Flasher Calibrations. Evaluate (DomCal) Calibration Runs and update Calibration constants		0.28				0.28
	SC Total			0.45	1.33	0.70	0.10	1.10	3.68
	PO	ABBASI, RASHA	DST data checking					0.10	0.10
		AGUILAR SANCHEZ JUAN ANT	GRB					0.15	0.15
			low level moun data verification (data/mc)					0.10	0.10
		AUFFENBERG, JAN	Energy Reconstruction					0.15	0.15
			Offline Data Processing - EHE					0.15	0.15
			Online filters (EHE)				0.15		0.15
		HOSHINA, KOTOYO	nugen maintenance					0.20	0.20
		KURAHASHI, NAOKO	IceTray Support (Q frame)			0.15			0.15
			Offline Level 2 Processing					0.20	0.20
			Online processing-muon channel			0.20			0.20
		TOSCANO, SIMONA	Cascade data processing			0.30			0.30
			Cascade Online filter				0.10		0.10
		UW PO	Monitoring shifts		0.12				0.12
	PO Total				0.12	0.65	0.25	1.05	2.07
	GR	BAKER, MICHAEL	Stability (L2 Processing)			0.10			0.10
		EISCH, JONATHAN	IceTop Simulation Production			0.30			0.30
		FEINTZIG, JACOB	Ice Properties		0.15				0.15
		GLADSTONE, LAURA	Moon Shadow		0.10				0.10
			Reconstruction tools-Deep Core					0.15	0.15
		RODRIGUES, JOAO-PAULO	Supernova simulation / moun energy reconstruction					0.20	0.20
		SANTANDER, MARCOS	Moon Shadow		0.15				0.15
		UW GR	Monitoring shifts		0.12				0.12
		VAN SANTEN, JACOB	Calibration of DOM waveforms		0.15				0.15
			IceTray Support (IZMA)			0.15			0.15
			Online filters / SuperDST				0.15		0.15
		WEAVER, CHRISTOPHER	DOM CAL Maintenance		0.15				0.15
		WHITEHORN, NATHAN	Energy Reconstruction					0.15	0.15
			Photonics tables					0.20	0.20
	GR Total				0.92	0.45	0.15	0.70	2.22
	MA	DUVERNOIS, MICHAEL	EMI, Instrumentation, I/F	0.25					0.25
		HAUGEN, JAMES	USAP Support	0.25					0.25
		LAITSCH, DENISE	Detector Operations Manager		1.00				1.00
		MERCK, MARTIN	Computing Infrastructure Management	1.00					1.00
		PELES, ADI	Resource Coordinator	0.50					0.50
	MA Total			2.00	1.00				3.00

Institution	Labor Cat.	Names	Tasks	2.1 Program Management	2.2 Detector Operations & Maintenance	2.3 Computing And Data Management	2.4 Triggering And Filtering	2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
	AD	MALKUS, EVELYN	Education & Outreach Coordination	0.75					0.75
		RICHARDS, JOHN	Maintain and Operate Data Storage Infrastructure			1.00			1.00
		UW AD	Administrative Support	0.50					0.50
			Host Spring collaboration meeting	0.50					0.50
	AD Total			1.75		1.00			2.75
	SE	GLOWACKI, DAVID	Maintain DAQ Software Systems (incl. triggers, DOM SW, etc. up to Event Builder)			1.00			1.00
		LAUNDRIE, ANDREW	EMI, Instrumentation, I/F	0.25					0.25
			Engineering Support	0.45					0.45
			Maintain South Pole Test System Hardware and Operating Systems			0.10			0.10
		SANDSTROM, PERRY	EMI, Instrumentation, I/F	0.15					0.15
			Engineering Support	0.15					0.15
			Maintain DAQ Hardware (Hubs, DOR, Clocks, GPS,...)			0.25			0.25
			Maintain South Pole Computing Hardware Infrastructure and operating systems			0.25			0.25
	SE Total			1.00		1.60			2.60
	CS	JACOBSEN, JOHN (NPX)	IceCube Live Maintenance and Upgrades			0.85			0.85
			Maintain DAQ Hardware (Hubs, DOR, Clocks, GPS,...)			0.15			0.15
		SOUNDARAPANDIAN, KARTHIK	Maintain South Pole Computing Hardware Infrastructure and operating systems			0.75			0.75
			Maintain South Pole Test System Hardware and Operating Systems			0.25			0.25
	CS Total					2.00			2.00
	TE	BELLINGER, JIM	Maintain DAQ Software Systems			0.25			0.25
			Organize and monitor the production of filtered science data. Organize the usage of data analysis computing storage. Migrate data to second tier storage			0.50			0.50
			Support the development of data warehouse software			0.25			0.25
		DIAZ-VELEZ, JUAN CARLOS	Maintain Simulation Production Software					0.20	0.20
			Simulation Programs: diplopia			0.80			0.80
		FADIRAN, OLADIPO	Maintain Data Processing Software			0.20			0.20
			Simulation Production Coordination; production configurations, test production and web portal.			0.60			0.60
			Transformation of Data for Long-Term Persistence and Archival, e.g., HDF5 Maintain Data Warehouse Standards, Software (Ingest), Data Access (FTP), and Web Interface			0.20			0.20
		MEADE, PATRICK	Transfer Data from S. Pole to UW Data Warehouse and Archive at S. Pole Maintain Data Transfer SW (SPADE) Maintain Data Warehouse Standards, Software (Ingest), Data Access (FTP), and Web Interface Unpacking, Decoding & Calibration of Raw Data (Level1); Run Common Reconstructions on UW IceCube Compute Cluster (Level2)			0.50			0.50
						0.50			0.50
		SCHULTZ, DAVID	Simulation Production			1.00			1.00
		UW TE	Maintain Core High Performance Computing Systems			0.44			0.44
			Maintain Data Center Infrastructure			0.50			0.50
	TE Total				0.25	5.49		0.20	5.94
	WO	UW WO	Operate Detector (Winter-Overs)		3.00				3.00
	WO Total				3.00				3.00
	EN	SKARLUPKA, HEATH	Maintain Core High Performance Computing Systems Coordination and Support for Grid and distributed computing			1.00			1.00
		UW EN	Engineering Support	0.10					0.10
		UW TE	Maintain Data Center Infrastructure			1.00			1.00
		WISNIEWSKI, PAUL	Maintain Data Center Networking and Security			0.75			0.75
			Networking and Security Maintenance		0.25				0.25
	EN Total			0.10	0.25	2.75			3.10
UW Total				**6.98**	**10.47**	**11.04**	**0.95**	**3.05**	**32.49**
UWRF	KE	MADSEN, JIM	Cosmic ray shower simulations and reconstruction					0.10	0.10
			Teachers' program and UWRF Upward Bound	0.10					0.10
		SPICZAK, GLENN	IceTop tank Monitoring		0.03				0.03
	KE Total			0.10	0.03			0.10	0.23
	TE	UWRF TE	Teachers Program	0.10					0.10
	TE Total			0.10					0.10
UWRF Total				**0.20**	**0.03**			**0.10**	**0.33**
VUB	KE	VUB KE	data quality verification					0.25	0.25
			development of reconstruction tools (IcePack framework)					0.25	0.25
	KE Total							0.50	0.50
	PO	BOSE, DEBANJAN	muon track reconstruction in IceCube and DeepCore, waveform feature extractor					0.25	0.25
			verification Deep Core data quality					0.25	0.25
		BUITIN, STIJN	Filter for Southern sky muons				0.25		0.25
			muon track reconstruction in IceCube and DeepCore, waveform feature extractor					0.13	0.13
			verification Deep Core data quality					0.13	0.13
		LABARE, MATHIEU	Filter for Southern sky muons				0.25		0.25

IceCube M&O Staffing Matrix sort by Institutions v10.0 2011.0422

Institution	Labor Cat.	Names	Tasks	2.1 Program Management	2.2 Detector Operations & Maintenance	2.3 Computing And Data Management	2.4 Triggering And Filtering	2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
			muon track reconstruction in IceCube and DeepCore					0.13	0.13
			verification Deep Core data quality					0.13	0.13
		STRAHLER, ERIK	simulation of ice properties and DOM sensitivities			0.25			0.25
			verification Deep Core data quality					0.25	0.25
		VUB PO	Monitoring shifts	0.06					0.06
	PO Total				0.06	0.25	0.50	1.25	2.06
VUB Total					**0.06**	**0.25**	**0.50**	**1.75**	**2.56**

Institution	Labor Cat.	Names	Tasks	2.1 Program Management	2.2 Detector Operations & Maintenance	2.3 Computing And Data Management	2.4 Triggering And Filtering	2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
WUPPERTAL	KE	HELBING, KLAUS	R&D Lead	0.10					0.10
			Speakers Comm member	0.10					0.10
		WUPPERTAL KE	RFI	0.10					0.10
	KE Total			0.30					0.30
	PO	KARG, TIMO	Acoustic Lead	0.10					0.10
			Simulation Production			0.20			0.20
	PO Total			0.10		0.20			0.30
	GR	WUPPERTAL GR	AURA, SPATS, surface antenna operations (RICE)		0.45				0.45
			New SUSY Filter				0.20		0.20
			New SUSY Reconstruction, Simulation, Propagation, Monopole, Photonics					0.50	0.50
			Simulation Production			0.20			0.20
			South Pole EMI Monitoring		0.15				0.15
	GR Total				0.60	0.20	0.20	0.50	1.50
WUPPERTAL Total				**0.40**	**0.60**	**0.40**	**0.20**	**0.50**	**2.10**
Grand Total				13.78	18.69	22.03	9.33	16.40	80.22