

IceCube M&O Staffing Matrix sort by Institutions v11.0 2011.0915

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 PubComm Adjoint Member TFT Board member WestGrid computing	0.10			0.10	0.10	0.10	
	KE Total			0.10		0.10	0.10	0.10	0.40	
	GR	WOOD, TANIA	WestGrid computing				0.20		0.20	
	GR Total					0.20			0.20	
ALBERTA Total				0.10		0.30	0.10	0.10	0.60	
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. Work on cascade filter				0.15	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 Update MMC from Java to C++	0.10				0.10	0.10	
	KE Total			0.10				0.10	0.20	
	GR	OLIVO, MARTINO FEDYNITCH, ANATOLI UBOCHUM GR	Monte Carlo Validation Update MMC from Java to C++ Detector Monitoring					0.10 0.10	0.10 0.10	
	GR Total				0.03			0.20	0.03	
BOCHUM Total				0.10	0.03			0.30	0.43	
BONN	KE	KOWALSKI, MAREK	Cascade WG Co-Chair				0.25		0.25	
	KE Total						0.25		0.25	
	PO	BOSSER, SEBASTIAN	Run Coordinator TFT Board member		0.50				0.50	
	PO Total				0.50		0.10		0.60	
	GR	FRANCKOWIAK, ANNA HOMRIER, ANDREAS PANKNIN, SEBASTIAN UBONN GR	Alert System for follow-up Alert System for follow-up IC-40 L3 processing Detector Monitoring Reconstruction/ Analysis tools				0.10 0.10		0.20 0.03 0.20	
	GR Total				0.03		0.20	0.40	0.63	
	BONN Total					0.53		0.55	0.40	1.48
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 EHE Filters				0.25 0.15		0.25 0.15	
	SC	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 Improve the Ice Model, Afterpulse Simulator, Standard Candle Analysis, Maintain reconstruction projects (Ophelia, ehe-star)		0.03				0.20	
	GR Total				0.03			0.20	0.23	
CHIBA Total					0.03		0.40	0.60	1.03	
DESY	KE	NAHNHAUER, ROLF SPIERING, CHRISTIAN WALTER, MICHAEL	Acoustic R&D Support ExecCom member Simulation Production Cluster	0.10 0.20					0.10 0.20 0.20	
	KE Total			0.30		0.20			0.50	
	SC	BENABDERRAHMANE, LOFTI BERGMANN, JENS DESY SC SULANKE, K.-H.	Deputy Monitoring Coordinator Simulation Production Cluster Detector Monitoring DAQ Firmware Support		0.20		0.25		0.20 0.25 0.06 0.15	
	SC Total				0.41	0.25			0.66	
	GR	ACHIM STOESSL DESY GR EIKE MIDDELL FRANKE, ROBERT KISLAT, FABIAN MIDDELL, EIKE	Flasher Analysis Detector Monitoring Simulation Production Cluster Flasher Analysis Online Filter for Alerts Rate Data Bank South Pole Reconstruction Coordinator (acting), Maintain Reconstruction Framework Cascade Reconstruction		0.20 0.12 0.10	0.15		0.10 0.10	0.20 0.12 0.15 0.10 0.10	
	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, 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 MILKE, NATALIE	Detector Monitoring Simulation Production Simulation Programs: noise-generator		0.03	0.40		0.20	0.03 0.40 0.20
GR Total					0.03	0.40		0.20	0.63	
DTMND Total					0.03	0.65		0.20	0.88	

IceCube M&O Staffing Matrix sort by Institutions v11.0 2011.0915

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
	GR	EPFL GR	Detector Monitoring		0.03				0.03
	GR Total				0.03				0.03
EPFL Total				0.10	0.03				0.13
GENT	SC	UGENT SC	Acoustic R&D Support Support IceTop Simulations, IceTop Calibrations, IceTop Reconstruction	0.05				0.10	0.10
	SC Total			0.05				0.10	0.15
	GR	UGENT GR	Acoustic R&D Support Detector Monitoring Support IceTop Simulations, IceTop Calibrations, IceTop Reconstruction	0.05	0.03			0.40	0.05 0.03 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	TFT Board Chair				0.25		0.25
	KE Total			0.00			0.25		0.25
	GR	DAUGHETEE, JACOB	Standard Candle Vertex and Energy Calibration		0.20				0.20
	GR	GTECH GR	Monitoring shifts		0.03				0.03
GR Total				0.23				0.23	
GTECH Total				0.00	0.23		0.25		0.48
HUMBOLDT	KE	KOLANOSKI, HERMANN	Reconstruction/ Analysis tools					0.10	0.10
		KOLANOSKI, HERMANN	CR-WG Co Chair				0.25		0.25
		KAPPES, ALEXANDER	Pubcom member	0.10					0.10
	KE Total			0.10			0.25	0.10	0.45
HUMBOLDT Total				0.10			0.25	0.10	0.45
KU	KE	BESSON, DAVE	EMI - Radio R&D Monitoring shifts	0.10					0.10 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 Pubcom member Supervise LBNL effort	0.10 0.05			0.25		0.10 0.05
	KE Total			0.15	0.10		0.50		0.75
	SC	KIRYLUK,JOANNA	BadDomList Flasher Runs		0.20 0.10				0.20 0.10
	SC Total				0.30				0.30
	PO	GERHARDT,LISA	Simulation Programs: cmc Simulation Production on PDSF			0.20		0.20	0.20
		LBNL PO	DOM simulator & calibrator Monitoring shifts					0.35 0.09	0.35 0.09
	PO Total				0.09	0.20		0.55	0.84
	EN	STEZELBERGER,THORSTEN	Maintain DAQ Hardware (Hubs, DOR, Clocks, GPS,...)		0.15				0.15
	EN Total				0.15				0.15
	GR	SANDRA, MIARECKI	algorithm for measuring muon energy					0.30	0.30
GR Total							0.30	0.30	
LBNL Total				0.15	0.64	0.20	0.50	0.85	2.34
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 Reconstruction Tools		0.10			0.30	0.10 0.30
	GR	UM GR	Detector Monitoring		0.05				0.05
	WIEBE, KLAUS	Checking the low energy level 2 filter Simulation Production			0.20		0.20	0.20	
GR Total				0.65	0.20		0.50	1.35	
MAINZ Total				0.20	0.65	0.35	0.50	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 Outreach	0.05	0.02				0.02 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

IceCube M&O Staffing Matrix sort by Institutions v11.0 2011.0915

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		
PSU	KE	COWEN, DOUG	Education & Outreach	0.05					0.05		
			ExecCom member	0.20					0.20		
			DEYOUNG, TYCE	Hybrid/Tau WG Chair				0.25	0.25		
				Deep Core WG - Co Chair			0.25		0.25		
				Education & Outreach	0.05				0.05		
	KE Total				0.30		0.50		0.80		
	PO	KOSKINEN, JASON	Coordination and Support for Grid and distributed computing				0.25			0.25	
			Coordinate Deep Core reconstruction for production						0.20	0.20	
	PO Total					0.17			0.17		
				Simulation Production			0.42		0.20	0.62	
GR	DUNKMAN, MATT	develop and verify Deep Core filters					0.17		0.17		
		develop starting track reconstruction - hybrid reco.						0.25	0.25		
			Monitoring shifts		0.03				0.03		
		BELL, MICHAEL	Monitoring shifts		0.03				0.03		
GR Total					0.06		0.17	0.25	0.48		
PSU Total				0.30	0.06	0.42	0.67	0.45	1.90		
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				0.10	0.15		0.15	
			Maintain Reconstruction Framework					0.25		0.25	
			muon channel WG Co. Chair						0.15		
			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	Coordination with LIGO	0.10					0.10		
			Point Source WG Chair				0.25		0.25		
			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				0.10	0.10		
			WALCK, CHRISTIAN	Publications Bookkeeping	0.10				0.10		
	KE Total			0.50			0.50	0.10	1.10		
	SC	SEO, SEON-HEE	Develop & verify filters					0.05		0.05	
Photonics/Simulation Work								0.05	0.05		
		SU SC	Computing Resources			0.40			0.40		
SC Total					0.40	0.40	0.05	0.05	0.50		
GR	DANNINGER, MATTIAS	WIMP Trigger & Filter					0.10		0.10		
		SU GR	Detector Monitoring		0.06				0.06		
		ZOLL, MARCEL	Filters and Simulations				0.15		0.15		
GR Total					0.06		0.25	0.31			
SU Total				0.50	0.06	0.40	0.80	0.15	1.91		
SUBR	KE	FAZELY, ALI	GEANT Simulation					0.15	0.15		
			Reconstruction/ Analysis tools					0.15	0.15		
			IMLAY, RICHARD	Reconstruction/ Analysis tools					0.15		
				Simulation Programs					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		
				TFT Board member				0.10	0.10		
	KE Total			0.75	0.15		0.10	0.15	1.15		
	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		0.10	0.65	1.91		

IceCube M&O Staffing Matrix sort by Institutions v11.0 2011.0915

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	
UAA	KE	RAWLINS, KATHERINE	flat-ntuple; muon-bundle-reco; Snow correction for IceTop Monitoring shifts		0.02			0.30	0.30	
	KE Total				0.02			0.30	0.32	
UAA Total					0.02			0.30	0.32	
UC	GR	UC GR	Detector Monitoring Flasher Runs		0.02 0.10				0.02 0.10	
	GR Total				0.12				0.12	
UC Total					0.12				0.12	
UCB	KE	PRICE, BUFORD	Education & Outreach	0.10					0.10	
	KE Total			0.10					0.10	
	SC	FILIMONOV, KIRILL	Coordinate Monitoring Pubcom member	0.10	0.50				0.50	
		UCB SC	Monitoring shifts		0.02				0.02	
	WOSCHNAGG, KURT	Calibration Lead			0.15				0.15	
		Diffuse / atmosnu WG chair Maintain and Verify Simulation of Photon Propagation and update Ice Properties Speakers Comm member		0.10			0.25		0.50	
	SC Total			0.20	0.67		0.25	0.50	1.62	
	GR	UCB GR	Calibration Monitoring shifts		0.10 0.02				0.10 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	
		STANEV, TODOR	Pubcom member	0.10					0.10	
		UD KE	DAQ Monitoring		0.05				0.05	
	KE Total			0.30	0.05		0.10		0.45	
	SC	UD SC	Coordinate IceTop Operations		1.00				1.00	
	SC Total				1.00				1.00	
	PO	BERGHAUS, PATRICK	moun channel WG Co. Chair TFT Board member					0.25 0.10		0.25 0.10
		TAMBURRO, ALESSIO	IceTop Simulation Production			0.50				0.50
		HUSSAIN, SHAHID	Ice Properties Simulation IceTop Simulation Production						0.30	0.30 0.15
		KUWABARA, TAKAO	Temp. & Pressure atmospheric monitoring		0.25		0.15			0.25 0.15
PO Total				0.25	0.65	0.35	0.30	1.55		
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				0.30	1.30	0.65	0.45	0.90	3.60	
ULB	KE	BERTRAND, DANIEL	ExecCom member	0.20					0.20	
		HANSON, Kael ULB	Data Acquisition EMI/R&D	0.10	0.20				0.20	
	KE Total			0.30	0.20				0.50	
	PO	MAROTTA, ALBERTO	Computer Cluster - simulation Maintain and Operate Database Systems (I3Omdb)			0.30 0.20			0.30 0.20	
	PO Total					0.50			0.50	
	GR	ULB GR	Detector Monitoring Study of Tau Filters at South Pole		0.03			0.10	0.03 0.10	
GR Total				0.03		0.10		0.13		
ULB Total				0.30	0.23	0.50	0.10		1.13	
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 filter requests, bandwidth, TFT Board Member GRB WG Chair			0.00		0.30 0.25		0.00 0.30 0.25
			Maintain PnF Software and Online Filters		0.20			0.20		
		SCHMIDT, TORSTEN	Maintain Core Analysis Framework (IceTray) Maintain PnF Software and Online Filters		0.25	0.50			0.50 0.25	
	SC Total				0.45	0.50	0.55		1.50	
	PO	OLIVAS, ALEX	Simulation Software Programs coordinator						0.40	0.40
		UMD PO	Monitoring shifts		0.03					0.03
WISSING, HENRIKE		develop & test reconstruction EHE and Brights WG co-chair Maintain Detector Simulation (IceSim) Pubcom member					0.25	0.13 0.13 0.10	0.13 0.25 0.13 0.10	
PO Total			0.10	0.03		0.25	0.65	1.03		

IceCube M&O Staffing Matrix sort by Institutions v11.0 2011.0915

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	
UMD	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) Online Filter Testing Reconstruction/ Analysis tools		0.25				0.25	
		UMD GR	Core Software Monitoring shifts			0.25			0.25	
	GR Total				0.06	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				0.90	0.79	2.88	1.00	1.15	6.72	
UMH	GR	KOHNNEN, GEORGE	Detector Monitoring IC database management		0.03	0.30			0.33	
		GR Total				0.03	0.30		0.33	
UMH Total					0.03	0.30		0.33		
UOX	KE	SARKAR, SUBIR	Detector Monitoring Yellow Book-maintenance		0.02			0.10	0.12	
		KE Total				0.02			0.10	
UOX Total					0.02			0.10		
UU	KE	BOTNER, OLGA	Outreach Pubcom Chair	0.05 0.40					0.45	
		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	
			TFT Board member online filter development				0.10	0.05		0.15
	Outreach Speakers Comm member		0.05 0.10						0.15	
	KE Total			0.70			0.50		1.30	
	PO	MILLER, JONATHAN	Flasher Calibration Simulation Programs: photonics		0.20			0.05	0.25	
	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		0.70	0.05	1.68	
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	
		YECK, JAMES	Director of Operations	0.75					0.75	
		KE Total			1.58			0.45		2.03
	SC	CHIRKIN, DMITRY	Direct photon tracking / iceproperties calibration 0.3 ; FE/pulse extractor 0.1 ; reco software 0.1						0.40	0.40
		DESIATI, PAOLO	Simulation Programs: mmc/mmc-icetray and ucr-icetray					0.20		0.20
			Coordination of Simulation Production Pubcom member		0.10		0.70			0.80
		DUVERNOIS, MICHAEL	Science Support		0.25					0.25
		HILL, GARY	Maintain and Verify Simulation of Photon Propagation and update Ice Properties Offline processing Weekly call, ICC support						0.30 0.20	0.50
			0.20							0.20
	KRASBERG, MARK	DOM Cal Maintenance, DOM Monitoring and Troubleshooting Provide Real-time System Monitoring and Paging Winterovers coordinator			0.35 0.20 0.25				0.80	
		0.25							0.25	
WENDT, CHRISTOPHER	DOM CAL Maintenance Prepare and Evaluate Flasher Calibrations. Evaluate (DomCal) Calibration Runs and update Calibration constants				0.28			0.28		
	0.28							0.28		
SC Total			0.55	1.33	0.70		1.10	3.58		
PO		ABBASI, RASHA	DST data checking					0.10	0.10	
		AGUILAR SANCHEZ JUAN ANTONIO	GRB low level moun data verification (data/mc)					0.15 0.10	0.25	
		AUFFENBERG, JAN	Energy Reconstruction Offline Data Processing - EHE Online filters (EHE)					0.15 0.15	0.30	
		0.15				0.15		0.30		
		HOSHINA, KOTOYO	nugen maintenance					0.20	0.20	
		KURAHASHI, NAOKO	IceTray Support (Q frame) Offline Level 2 Processing Online processing-muon channel			0.15			0.20	0.35
			0.20						0.20	
		TOSCANO, SIMONA	Cascade data processing Cascade Online filter			0.30		0.10	0.40	
		UW PO	Monitoring shifts			0.12			0.12	
		PO Total				0.12	0.65	0.25	1.05	2.07

IceCube M&O Staffing Matrix sort by Institutions v11.0 2011.0915

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	
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 Reconstruction tools-Deep Core		0.10				0.10 0.15	
		RODRIGUES, JOAO-PAULO	Supernova simulation / moun energy reconstruction						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 IceTray Support (IZMA) Online filters / SuperDST		0.15	0.15		0.15	0.15 0.15 0.15	
		WEAVER, CHRISTOPHER	DOM CAL Maintenance		0.15				0.15	
		WHITEHORN, NATHAN	Energy Reconstruction Photonics tables						0.15 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	
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 Host Spring collaboration meeting	0.50 0.50					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 Engineering Support Maintain South Pole Test System Hardware and Operating Systems	0.25 0.45					0.25 0.45	
		SANDSTROM, PERRY	EMI, Instrumentation, I/F Engineering Support Maintain DAQ Hardware (Hubs, DOR, Clocks, GPS) Maintain South Pole Computing Hardware Infrastructure and operating systems	0.15 0.15		0.25			0.15 0.15 0.25	
		SE Total			1.00	1.60				2.60
CS		JACOBSEN, JOHN (NPX)	IceCube Live Maintenance and Upgrades Maintain DAQ Hardware (Hubs, DOR, Clocks, GPS,...)		0.85 0.15				0.85 0.15	
		SOUNDARAPANDIAN, KARTHIK	Maintain South Pole Computing Hardware Infrastructure and operating systems Maintain South Pole Test System Hardware and Operating Systems			0.75			0.75	
						0.25			0.25	
		CS Total				2.00			2.00	
TE		BELLINGER, JIM	Maintain DAQ Software Systems Organize and monitor the production of filtered science data. Organize the usage of data analysis computing storage. Migrate data to second tier storage Support the development of data warehouse software		0.25		0.50 0.25		0.50 0.25	
		DIAZ-VELEZ, JUAN CARLOS	Maintain Simulation Production Software Simulation Programs: diplopia			0.80		0.20	0.20 0.80	
		FADIRAN, OLADIPO	Maintain Data Processing Software Simulation Production Coordination; production configurations, test production and web portal. 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	0.60		0.20 0.60	
		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	
		SCHULTZ, DAVID	Simulation Production			1.00			1.00	
		UW TE	Maintain Core High Performance Computing Systems Maintain Data Center Infrastructure			0.44 0.50			0.44 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 Networking and Security Maintenance			0.75			0.75	
	EN Total			0.10	0.25	2.75			3.10	
UW Total				6.98	10.47	11.04	0.85	3.05	32.39	

IceCube M&O Staffing Matrix sort by Institutions v11.0 2011.0915

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	
UWRF	KE	MADSEN, JIM	Cosmic ray shower simulations and reconstruction					0.10	0.10	
			Speakers Comm Chair	0.25					0.25	
			Teachers' program and UWRF Upward Bound	0.10					0.10	
		SPICZAK, GLENN	IceTop tank Monitoring		0.03				0.03	
	KE Total			0.35	0.03			0.10	0.48	
TE	UWRF TE	Teachers Program		0.10					0.10	
TE Total				0.10				0.10		
UWRF Total				0.45	0.03			0.10	0.58	
VUB	KE	DE CLERCQ, CATHERINE	ExecCom member	0.20					0.20	
		VAN EIJDHOVEN, NICK	data quality verification development of reconstruction tools (IcePack framework)					0.25	0.25	
	KE Total			0.20				0.25	0.25	
	PO	BOSE, DEBANJAN		muon track reconstruction in IceCube and DeepCore, waveform feature extractor verification Deep Core data quality					0.25	0.25
				Filter for Southern sky muons muon track reconstruction in IceCube and DeepCore, waveform feature extractor verification Deep Core data quality			0.25		0.13	0.13
		LABARE, MATHIEU		Filter for Southern sky muons muon track reconstruction in IceCube and DeepCore verification Deep Core data quality				0.25	0.13	0.13
				simulation of ice properties and DOM sensitivities verification Deep Core data quality			0.25		0.25	0.25
		VUB PO	Monitoring shifts			0.06				0.06
		PO Total				0.06	0.25	0.50	1.25	2.06
	GR	CASIER MARTIN	muon track reconstruction in IceCube and DeepCore						0.50	0.50
		BRAYEUR LIONEL	muon track reconstruction in IceCube and DeepCore						0.50	0.50
		KUNNEN JAN	Filter for Southern sky muons					0.50		0.50
		VUB GR	Monitoring shifts			0.06				0.06
	GR Total				0.06		0.50	1.00	1.56	
	VUB Total				0.20	0.12	0.25	1.00	2.75	4.32
WUPPERTAL	KE	HELBING, KLAUS	R&D Lead	0.10					0.10	
			Speakers Comm member	0.10					0.10	
			Exotics- WG chair					0.25		0.25
		WUPPERTAL KE	RFI		0.10				0.10	
	KE Total				0.30		0.25		0.55	
	PO	KARG, TIMO	Acoustic	0.10						0.10
			TFT Board member Simulation Production				0.20	0.10		0.20
	PO Total				0.10		0.20	0.10	0.40	
GR	WUPPERTAL GR	AURA, SPATS, surface antenna operations (RASTA)			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	0.55	0.50	2.45	
Grand Total				14.18	18.72	22.33	9.57	17.00	81.80	