IceCube M&O Staffing Matrix sort by Institutions v8.2 2010.0430.xls

Institution	Labor Cat.	Names	WBS L3	Tasks	Funds Source	WBS 2.1 Program Management	WBS 2.2 Detector Maintenance & Operations	WBS 2.3 Computing & Data Management	WBS 2.4 Triggering & Filtering	WBS 2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
		Cat. Description	Cat. Description	Cat. Description	Cat. Description						
		AD Administration	GR Graduate Student	PO Postdoctoral Scientist	TE Technician						
		CS Computer Science Eng.	KE Key Personnel/Faculty	SC Scientist	WO Winterover						
		EN Engineer	MA Management	SE Senior Engineer							
CAU	KE	Japaridze, George	Detector Monitoring	Monitoring shifts	US Institutional Support		0.02				0.02
		Japaridze, George Total					0.02				0.02
CAU Total							**0.02**				**0.02**
GTECH	GR	GTECH GR	Detector Monitoring	Monitoring shifts	US Base Grants		0.03				0.03
		GTECH GR Total					0.03				0.03
		Daughhetee, Jacob	Detector Calibration	Standard Candle Vertex and Energy Calibration	US Base Grants		0.20				0.20
		Daughhetee, Jacob Total					0.20				0.20
	KE	TABOADA, IGNACIO	Administration	Chair of speakers' committee	US Institutional Support	0.25					0.25
		TABOADA, IGNACIO Total				0.25			0.00		0.25
	PO	Tepe, Andreas	Simulation Production	Simulation Production	US Base Grants			0.20			0.20
		Tepe, Andreas Total						0.20			0.20
GTECH Total						**0.25**	**0.23**	**0.20**	**0.00**		**0.68**
KU	KE	Besson, Dave	Detector Monitoring	Monitoring shifts	US Institutional Support		0.02				0.02
			Engineering and R&D Su	EMI - Radio R&D	US Institutional Support	0.10					0.10
		Besson, Dave Total				0.10	0.02				0.12
KU Total						**0.10**	**0.02**				**0.12**
LBNL	CS	BEATTIE,KEITH S	Data Acquisition	Maintain DAQ Software Systems (incl. triggers, DOM SW, etc. up to Event Builder)	NSF M&O Core		0.25				0.25
		BEATTIE,KEITH S Total					0.25				0.25
	EN	STEZELBERGER,THORST	Data Acquisition	Maintain DAQ Hardware (Hubs, DOR, Clocks, GPS,...)	NSF M&O Core		0.15				0.15
		STEZELBERGER,THORSTEN Total					0.15				0.15
	KE	KLEIN,SPENCER	Administration	Supervise LBNL effort	NSF M&O Core	0.05					0.05
				Publications Comm. Member	US Institutional Support	0.10					0.10
			Physics Filters	Co. Chair of Cascade WG	US Institutional Support				0.25		0.25
			Reconstruction/ Analysis	co-chair of Diffuse WG	US Institutional Support					0.25	0.25
		KLEIN,SPENCER Total				0.15			0.25	0.25	0.65
		NYGREN,DAVID R	DETECTOR OPERATIO	Track Engine Trigger	US Institutional Support		0.10				0.10
		NYGREN,DAVID R Total					0.10				0.10
	PO	BUITIN,STIJN	Simulation Programs	DOM simulator & calibrator	US Base Grants					0.35	0.35
		BUITIN,STIJN Total								0.35	0.35
		GERHARDT,LISA	Simulation Programs	Simulation Programs: cmc	US Base Grants					0.20	0.20
		GERHARDT,LISA Total								0.20	0.20
		LBNL PO	Detector Monitoring	Monitoring shifts	US Base Grants		0.09				0.09
		LBNL PO Total					0.09	0.00			0.09
	SC	KIRYLUK,JOANNA	Detector Calibration	Flasher Runs	US Base Grants		0.10				0.10
			Detector Monitoring	BadDomList	US Base Grants		0.20				0.20
			Simulation Production	Simulation Production on PDSF	US Base Grants			0.20			0.20
		KIRYLUK,JOANNA Total					0.30	0.20			0.50
LBNL Total						**0.15**	**0.89**	**0.20**	**0.25**	**0.80**	**2.29**
OSU	GR	Davis, James	Detector Monitoring	Monitoring shifts	US Base Grants		0.01				0.01
			Physics Filters	Vertical Events Filter	US Base Grants				0.15		0.15
		Davis, James Total					0.01		0.15		0.16
	PO	OSU PO	Detector Monitoring	Monitoring shifts	US Base Grants		0.02				0.02
			Education & Outreach	Outreach	US Base Grants	0.05					0.05
		OSU PO Total				0.05	0.02				0.07
		ROTT, CARSTEN	Data Quality	Data Quality	US Base Grants					0.10	0.10
			Detector Monitoring	Maintain good run list	US Base Grants		0.20				0.20
		ROTT, CARSTEN Total					0.20			0.10	0.30
OSU Total						**0.05**	**0.23**		**0.15**	**0.10**	**0.53**
PSU	GR	PSU GR	Detector Monitoring	Monitoring shifts	US Base Grants		0.03				0.03
		PSU GR Total					0.03				0.03
		HA, CHANG Hyon	Reconstruction/ Analysis	develop starting track reconstruction	US Base Grants					0.13	0.13
		HA, CHANG Hyon Total								0.13	0.13
	KE	COWEN, DOUG	Administration	ExecCom member	US Institutional Support	0.20					0.20
			Education & Outreach	Education & Outreach	US Institutional Support	0.05					0.05
			Physics Filters	Tau WG Chair	US Institutional Support				0.25		0.25
			TFT Coordination	TFT Board member	US Institutional Support				0.10		0.10
		COWEN, DOUG Total				0.25			0.35		0.60
		DEYOUNG, TYCE	Education & Outreach	Education & Outreach	US Institutional Support	0.05					0.05
			Physics Filters	Deep Core WG - Co Chair	US Institutional Support				0.25		0.25
		DEYOUNG, TYCE Total				0.05			0.25		0.30
	PO	KOSKINEN, JASON	Physics Filters	develop and verify Deep Core filters	US Base Grants				0.18		0.18
			Reconstruction/ Analysis	Coordinate Deep Core reconstruction for production	US Base Grants					0.12	0.12
		KOSKINEN, JASON Total							0.18	0.12	0.30
		LAFEBRE, SVEN	Detector Monitoring	Monitoring shifts	US Base Grants		0.03				0.03
			Reconstruction/ Analysis	develop starting track reconstruction	US Base Grants					0.19	0.19
		LAFEBRE, SVEN Total					0.03			0.19	0.22
		PSU PO	Computing Resources	Coordination and Support for Grid and distributed computing	NSF M&O Core			0.25			0.25
			Simulation Production	Simulation Production	US Base Grants			0.17			0.17
		PSU PO Total						0.42			0.42
		TOALE, PATRICK	Administration	Software Coordinator	MRE Pre Operations	0.75					0.38
			Simulation Programs	maintain tau simulation tools	US Base Grants					0.10	0.10
		TOALE, PATRICK Total				0.75	0.00			0.10	0.85
PSU Total						**1.05**	**0.06**	**0.42**	**0.78**	**0.53**	**2.83**

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Institution	Labor Cat.	Names	WBS L3	Tasks	Funds Source	WBS 2.1 Program Management	WBS 2.2 Detector Maintenance & Operations	WBS 2.3 Computing & Data Management	WBS 2.4 Triggering & Filtering	WBS 2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
			Cat. Description / AD Administration / CS Computer Science Eng. / EN Engineer	**Cat.** Description / GR Graduate Student / KE Key Personnel/Faculty / MA Management	**Cat.** Description / PO Postdoctoral Scientist / SC Scientist / SE Senior Engineer	**Cat.** Description / TE Technician / WO Winterover					
SUBR	KE	FAZELY, ALI	Reconstruction/ Analysis	Reconstruction/ Analysis tools	US Institutional Support					0.15	0.15
			Simulation Programs	GEANT Simulation	US Institutional Support					0.15	0.15
		FAZELY, ALI Total								0.30	0.30
		Imlay, Richard	Reconstruction/ Analysis	Reconstruction/ Analysis tools	US Institutional Support					0.15	0.15
			Simulation Programs	Simulation Programs	US Institutional Support					0.15	0.15
		Imlay, Richard Total								0.30	0.30
	SC	TER-ANTONYAN, SAMVEL	Computing Resources	LONI Grid computing	US Institutional Support			0.30			0.30
			Detector Monitoring	Detector Monitoring	US Institutional Support		0.02				0.02
		TER-ANTONYAN, SAMVEL Total					0.02	0.30			0.32
SUBR Total							**0.02**	**0.30**		**0.60**	**0.92**
UA	GR	Xu, Donglian	Detector Calibration	geometry systematic	US Base Grants		0.25				0.25
			Detector Monitoring	Monitoring shifts	US Base Grants		0.03				0.03
		Xu, Donglian Total					0.28				0.28
	KE	Williams, Dawn	Data Quality	Data Quality Lead	US Institutional Support					0.15	0.15
			Detector Calibration	managing flasher runs and other calibrations (stage 2 geometry)	US Institutional Support		0.15				0.15
		Williams, Dawn Total					0.15			0.15	0.30
	PO	Zarzhitzky, Pavel	Detector Calibration	taking flasher runs	US Base Grants		0.20				0.20
			Simulation Programs	Simulation verification	US Base Grants					0.30	0.30
		Zarzhitzky, Pavel Total					0.20			0.30	0.50
UA Total							**0.63**			**0.45**	**1.08**
UAA	KE	Rawlins, Katherine	Detector Monitoring	Monitoring shifts	US Institutional Support		0.02				0.02
			Simulation Programs	SPASE / IceTop simulation; flat n-tuple	US Institutional Support					0.40	0.40
		Rawlins, Katherine Total					0.02			0.40	0.42
UAA Total							**0.02**			**0.40**	**0.42**
UCB	GR	UCB GR	Detector Calibration	Calibration	US Base Grants		0.10				0.10
			Detector Monitoring	Monitoring shifts	US Base Grants		0.02				0.02
		UCB GR Total					0.12				0.12
	KE	PRICE, BUFORD	Administration	Education & Outreach	US Institutional Support	0.10					0.10
		PRICE, BUFORD Total				0.10					0.10
	SC	FILIMONOV, KIRILL	Detector Monitoring	Coordinate Monitoring	US Base Grants		0.50				0.50
		FILIMONOV, KIRILL Total					0.50				0.50
		UCB SC	Detector Monitoring	Monitoring shifts	US Base Grants		0.02				0.02
		UCB SC Total					0.02				0.02
		WOSCHNAGG, KURT	Administration	Speakers Comm member	US Base Grants	0.10					0.10
			Detector Calibration	Calibration Lead	US Base Grants		0.15				0.15
			Physics Filters	Diffuse / atmosnu WG chair	US Base Grants				0.25		0.25
			Simulation Programs	Maintain and Verify Simulation of Photon Propagation and update Ice Properties	NSF M&O Core					0.50	0.50
		WOSCHNAGG, KURT Total				0.10	0.15		0.25	0.50	1.00
UCB Total						**0.20**	**0.78**		**0.25**	**0.50**	**1.73**
UCI	GR	Hanson, Jordan	Detector Monitoring	Monitoring shifts	US Base Grants		0.01				0.01
		Hanson, Jordan Total					0.01				0.01
	PO	Silverstri, Andrea	Detector Monitoring	Monitoring shifts	US Base Grants		0.01				0.01
		Silverstri, Andrea Total					0.01				0.01
UCI Total							**0.02**				**0.02**
UD	GR	Ruzybaev , Bakhtiyar	Simulation Programs	Ice Properties Simulation	US Base Grants					0.30	0.30
		Ruzybaev , Bakhtiyar Total								0.30	0.30
		Xu, Chen	Simulation Programs	Simulation Programs: sim-services	US Base Grants					0.30	0.30
		Xu, Chen Total								0.30	0.30
	KE	GAISSER, TOM	Administration	Spokesperson	US Institutional Support	0.30					0.30
		GAISSER, TOM Total				0.30					0.30
		SECKEL, DAVID	TFT Coordination	TFT Board member	US Institutional Support				0.10		0.10
		SECKEL, DAVID Total							0.10		0.10
		UD KE	Data Acquisition	DAQ Monitoring	US Institutional Support		0.05				0.05
		UD KE Total					0.05				0.05
	PO	BERGHAUS, PATRICK - U	Physics Filters	moun channel WG Co. Chair	US Base Grants				0.25		0.25
		BERGHAUS, PATRICK - UD Total							0.25		0.25
		Hussain, Shahid	Simulation Production	IceTop Simulation Production	US Base Grants				0.15		0.15
			Simulation Programs	Ice Properties Simulation	US Base Grants					0.30	0.30
		Hussain, Shahid Total							0.15	0.30	0.45
		Kuwabara, Takao	Detector Monitoring	Temp. & Pressure atmospheric monitoring	US Base Grants		0.25				0.25
		Kuwabara, Takao Total					0.25				0.25
	SC	UD SC	IceTop Operations	Coordinate IceTop Operations	NSF M&O Core		1.00				1.00
		UD SC Total					1.00				1.00
UD Total						**0.30**	**1.30**	**0.15**	**0.35**	**0.90**	**3.00**
UMD	CS	UMD CS	Core Software	Maintain Core Software Repository	NSF M&O Core			0.25			0.25
		UMD CS Total						0.25			0.25
	GR	CHRISTY, BRIAN	Simulation Production	Simulation Production coordination	US Base Grants			0.25			0.25
		CHRISTY, BRIAN Total						0.25			0.25
		Ehrlich, Ralf	Core Software	Core Software	US Base Grants			0.50			0.50
		Ehrlich, Ralf Total						0.50			0.50
		REDL, PETER	Online Filter (PnF)	Online Filter Testing	US Base Grants		0.25				0.25
			Reconstruction/ Analysis	Reconstruction/ Analysis tools	US Base Grants					0.25	0.25
			Simulation Programs	Maintain Detector Simulation (IceSim)	US Base Grants					0.25	0.25
		REDL, PETER Total						0.25			0.50	0.75

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				Cat. Description							
				AD Administration — GR Graduate Student — PO Postdoctoral Scientist — TE Technician							
				CS Computer Science Eng. — KE Key Personnel/Faculty — SC Scientist — WO Winterover							
				EN Engineer — MA Management — SE Senior Engineer							
		UMD GR	Core Software	Core Software	US Base Grants			0.25			0.25
			Detector Monitoring	Monitoring shifts	US Base Grants		0.06				0.06
			TFT Coordination	Prepare datasets for filter testing and common MC datasets for testing	US Base Grants				0.20		0.20
		UMD GR Total					0.06	0.25	0.20		0.51
	KE	HOFFMAN, KARA	Engineering and R&D Su	Detector R&D	US Institutional Support	0.20					0.20
		HOFFMAN, KARA Total				0.20			0.00		0.20
		Sullivan, Greg	Administration	ExecCom member	US Institutional Support	0.20					0.20
		Sullivan, Greg Total				0.20					0.20
		UMD KE	Education & Outreach	E&O	US Institutional Support	0.10					0.10
		UMD KE Total				0.10					0.10
	PO	OLIVAS, ALEX	Administration	Pubcom member	US Base Grants	0.10					0.10
			Physics Filters	exotics- WG chair	US Base Grants				0.25		0.25
			Simulation Programs	Simulation Software Programs coordinator	NSF M&O Core					0.40	0.40
		OLIVAS, ALEX Total				0.10			0.25	0.40	0.75
		UMD PO	Detector Monitoring	Monitoring shifts	US Base Grants		0.03				0.03
		UMD PO Total					0.03				0.03
		Wissing, Henrike	Administration	Pubcom member	US Base Grants	0.10					0.10
			Reconstruction/ Analysis	develop & test reconstruction	US Base Grants					0.25	0.25
			Simulation Programs	Maintain Detector Simulation (IceSim)	US Base Grants					0.25	0.25
		Wissing, Henrike Total				0.10				0.50	0.60
	SC	BLAUFUSS, ERIK	Online Filter (PnF)	Maintain PnF Software and Online Filters	NSF M&O Core		0.20				0.20
			Physics Filters	GRB WG Chair	US Base Grants				0.25		0.25
			TFT Coordination	Coordinate process for filter requests, bandwidth	NSF M&O Core				0.30		0.30
		BLAUFUSS, ERIK Total					0.20	0.00	0.55		0.75
		SCHMIDT, TORSTEN	Core Software	Maintain Core Analysis Framework (IceTray)	NSF M&O Core			0.50			0.50
			Online Filter (PnF)	Maintain PnF Software and Online Filters	NSF M&O Core		0.25				0.25
		SCHMIDT, TORSTEN Total					0.25	0.50			0.75
	TE	STRASZHEIM, TROY	Core Software	> 1 FTE	NSF M&O Core						
				Maintain Core Analysis Framework (IceTray)	NSF M&O Core			0.88			0.88
		STRASZHEIM, TROY Total						0.88			0.88
		UMD TE	Computing Resources	Coordination and Support for Grid and distributed computing	NSF M&O Core			0.25			0.25
		UMD TE Total						0.25			0.25
UMD Total						**0.70**	**0.79**	**2.88**	**1.00**	**1.40**	**6.77**
UW	AD	MALKUS, EVELYN	Education & Outreach	Education & Outreach Coordination	NSF M&O Core	0.75					0.75
		MALKUS, EVELYN Total				0.75					0.75
		RICHARDS, JOHN	Data Storage & Transfer	Maintain and Operate Data Storage Infrastructure	NSF M&O Core			1.00			1.00
		RICHARDS, JOHN Total						1.00			1.00
		UW AD	Administration	Administrative Support	NSF M&O Core	0.50					0.50
				Host Spring collaboration meeting	US Institutional Support	0.50					0.50
			Education & Outreach	Teachers	NSF M&O Core	0.25					0.25
		UW AD Total				1.25					1.25
	CS	JACOBSEN, JOHN (NPX)	Data Acquisition	Maintain DAQ Hardware (Hubs, DOR, Clocks, GPS,...)	NSF M&O Core		0.15				0.15
			Experiment Control	IceCube Live Maintenance and Upgrades	NSF M&O Core		0.85				0.85
		JACOBSEN, JOHN (NPX) Total					1.00				1.00
		SOUNDARAPANDIAN, KA	SPS Operations	Maintain South Pole Computing Hardware Infrastructure and operating systems	NSF M&O Core		0.75				0.75
			SPTS Operations	Maintain South Pole Test System Hardware and Operating Systems	NSF M&O Core		0.25				0.25
		SOUNDARAPANDIAN, KARTHIK Total					1.00				1.00
	EN	BARNET, STEVE	Computing Resources	0.75 Maintain Core High Performance Computing Systems 0.25 Coordination and Support for Grid and distributed computing	NSF M&O Core			1.00			1.00
		BARNET, STEVE Total						1.00			1.00
		BOGEN, DAVID	Computing Resources	Maintain Data Center Infrastructure	NSF M&O Core			1.00			1.00
		BOGEN, DAVID Total						1.00			1.00
		MACKENZIE, CYNTHIA	Data Storage & Transfer	Transfer Data from S. Pole to UW Data Warehouse and Archive at S. Pole Maintain Data Transfer Software (SPADE) Maintain Data Warehouse Standards, Software (Ingest), Data Access (FTP), and Web Interface	NSF M&O Core			0.50			0.50
		MACKENZIE, CYNTHIA Total						0.50			0.50
		UW EN	Engineering and R&D Su	Engineering Support	NSF M&O Core	0.10					0.10
			SPTS Operations	Maintain South Pole Test System Hardware and Operating Systems	NSF M&O Core		0.50				0.50
		UW EN Total				0.10	0.50				0.60
		WISNIEWSKI, PAUL	Computing Resources	Maintain Data Center Networking and Security	NSF M&O Core			0.75			0.75
			SPS Operations	Networking and Security Maintenance	NSF M&O Core		0.25				0.25
		WISNIEWSKI, PAUL Total					0.25	0.75			1.00

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			Cat. / Description: AD Administration; CS Computer Science Eng.; EN Engineer	Cat. / Description: GR Graduate Student; KE Key Personnel/Faculty; MA Management	Cat. / Description: PO Postdoctoral Scientist; SC Scientist; SE Senior Engineer	Cat. / Description: TE Technician; WO Winterover						
	GR	BAKER, MICHAEL	Detector Monitoring	Stability	US Base Grants		0.10				0.10
		BAKER, MICHAEL Total					0.10				0.10
		DUMM, JONATHAN	Offline Data Processing	Offline Data Processing	US Base Grants					0.15	0.15
			Reconstruction/ Analysis	Reconstruction Tools	US Base Grants					0.15	0.15
		DUMM, JONATHAN Total								0.30	0.30
		EISCH, JONATHAN	Simulation Production	IceTop Simulation Production	US Base Grants				0.30		0.30
		EISCH, JONATHAN Total							0.30		0.30
		GLADSTONE, LAURA	Detector Calibration	Moon Shadow	US Base Grants				0.15		0.15
			Physics Filters	Deep Core online Filter	US Base Grants					0.15	0.15
		GLADSTONE, LAURA Total							0.15	0.15	0.30
		Rodrigues, Joao-Paulo	Reconstruction/ Analysis	Supernova simulation / moun energy reconstruction	US Institutional Support					0.20	0.20
		Rodrigues, Joao-Paulo Total								0.20	0.20
		Santander, Marcos	Detector Calibration	Calibration with flashers	US Base Grants				0.20		0.20
			Simulation Programs	Flasher Analysis	US Base Grants					0.15	0.15
		Santander, Marcos Total							0.20	0.15	0.35
		UW GR	Detector Monitoring	Monitoring shifts	US Base Grants				0.12		0.12
		UW GR Total							0.12		0.12
		Weaver, Christopher	Data Acquisition	DOM CAL Maintenance	US Base Grants				0.20		0.20
		Weaver, Christopher Total							0.20		0.20
	KE	HALZEN, FRANCIS	Administration	Principle Investigator	NSF M&O Core	0.08					0.08
					US Institutional Support	0.33					0.33
		HALZEN, FRANCIS Total					0.42					0.42
		KARLE, ALBRECHT	Administration	Associate Director for Science	NSF M&O Core	0.08					0.08
					US Institutional Support	0.33					0.33
		KARLE, ALBRECHT Total					0.42					0.42
		MONTARULI, TERESA	TFT Coordination	TFT Board member	US Institutional Support				0.10		0.10
		MONTARULI, TERESA Total								0.10		0.10
		WESTERHOFF, STEFAN	Administration	Pubcom member	US Institutional Support	0.10					0.10
		WESTERHOFF, STEFAN Total					0.10					0.10
	MA	LAITSCH, DENISE	DETECTOR OPERATIO	Budget in MRE	NSF M&O Core						
				Detector Operations Manager	NSF M&O Core		0.88				0.88
		LAITSCH, DENISE Total						0.88				0.88
		MERCK, MARTIN	Administration	Computing Infrastructure Management	NSF M&O Core	1.00					1.00
		MERCK, MARTIN Total					1.00					1.00
		PAULOS, ROBERT	USAP Support	USAP Support	NSF M&O Core	0.25					0.25
		PAULOS, ROBERT Total					0.25					0.25
		PELES, ADI	Administration	Resource Coordinator	NSF M&O Core	0.50					0.50
		PELES, ADI Total					0.50					0.50
	PO	ABBASI, RASHA	Simulation Programs	DST data checking	US Base Grants					0.10	0.10
		ABBASI, RASHA Total									0.10	0.10
		Aguilar Sanchez Juan Antoni	Physics Filters	muon filter	US Base Grants				0.15		0.15
			Simulation Programs	low level moun data verification (data/mc)	US Base Grants					0.10	0.10
		Aguilar Sanchez Juan Antonio Total							0.15	0.10	0.25
		HOSHINA, K	Simulation Production	Photon prop. Calibration	US Base Grants				0.10		0.10
		HOSHINA, K Total							0.10		0.10
		Toscano, Simona	Data Production Processir	Cascade data processing	US Base Grants				0.35		0.35
			Physics Filters	Cascade Online filter	US Base Grants					0.15	0.15
		Toscano, Simona Total							0.35	0.15	0.50
		UW PO	Detector Monitoring	Monitoring shifts	US Base Grants				0.12		0.12
			Simulation Programs	Maintain IceSim	US Base Grants					0.40	0.40
		UW PO Total							0.12	0.40	0.52
	SC	CHIRKIN, DMITRY	Reconstruction/ Analysis	Direct photon tracking / iceproperties calibration 0.3 ; FE/pulse extractor 0.1 ; reco software 0.1	US Base Grants					0.30	0.30
			Simulation Programs	Simulation Programs: mmc/mmc-icetray and ucr-icetray	US Base Grants					0.20	0.20
		CHIRKIN, DMITRY Total								0.50	0.50
		DESIATI, PAOLO	Simulation Production	Coordination of Simulation Production	NSF M&O Core			0.70			0.70
		DESIATI, PAOLO Total							0.70			0.70
		HANSON, KAEL	Run Coordination	Left UW	NSF M&O Core						
		HANSON, KAEL Total										
		HILL, GARY	Administration	Weekly call, ICC support	US Base Grants	0.20					0.20
			Offline Data Processing	Offline processing	NSF M&O Core					0.25	0.25
			Simulation Programs	Maintain and Verify Simulation of Photon Propagation and update Ice Properties	NSF M&O Core					0.25	0.25
		HILL, GARY Total					0.20				0.50	0.70
		KRASBERG, MARK	Data Acquisition	DOM Cal Maintenance, DOM Monitoring snd Troubleshooting	NSF M&O Core		0.35				0.35
				Provide Real-time System Monitoring and Paging	NSF M&O Core		0.20				0.20
			Run Coordination	Winterovers coordinator	NSF M&O Core		0.25				0.25
		KRASBERG, MARK Total						0.80				0.80
		LANDSMAN, YAEL HAGA	Engineering and R&D Su	Science Support	NSF M&O Core	0.25					0.25
		LANDSMAN, YAEL HAGAR Total					0.25					0.25
		MARUYAMA, REINA	Physics Filters	Supernova WG Chair	US Base Grants				0.25		0.25
		MARUYAMA, REINA Total								0.25		0.25

IceCube M&O Staffing Matrix sort by Institutions v8.2 2010.0430.xls

Institution	Labor Cat.	Names	WBS L3	Tasks	Funds Source	WBS 2.1 Program Management	WBS 2.2 Detector Maintenance & Operations	WBS 2.3 Computing & Data Management	WBS 2.4 Triggering & Filtering	WBS 2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
		WENDT, CHRISTOPHER	Data Acquisition	DOM CAL Maintenance	NSF M&O Core		0.25				0.25
			Detector Calibration	Prepare and Evaluate Flasher Calibrations 0.25 Evaluate (DomCal) Calibration Runs and update Calibration constants 0.1	NSF M&O Core		0.28				0.28
		WENDT, CHRISTOPHER Total					0.53				0.53
	SE	GLOWACKI, DAVID	Data Acquisition	Maintain DAQ Software Systems (incl. triggers, DOM SW, etc. up to Event Builder)	NSF M&O Core		1.00				1.00
		GLOWACKI, DAVID Total					1.00				1.00
		LAUNDRIE, ANDREW	Engineering and R&D Sup	EMI, Instrumentation, I/F	NSF M&O Core	0.25					0.25
				Engineering Support	NSF M&O Core	0.65					0.65
			SPTS Operations	Maintain South Pole Test System Hardware and Operating Systems	NSF M&O Core		0.10				0.10
		LAUNDRIE, ANDREW Total				0.90	0.10				1.00
		SANDSTROM, PERRY	Data Acquisition	Maintain DAQ Hardware (Hubs, DOR, Clocks, GPS,...)	NSF M&O Core		0.25				0.25
			Engineering and R&D Sup	EMI, Instrumentation, I/F	NSF M&O Core	0.25					0.25
				Engineering Support	NSF M&O Core	0.25					0.25
			SPS Operations	Maintain South Pole Computing Hardware Infrastructure and operating systems	NSF M&O Core		0.25				0.25
		SANDSTROM, PERRY Total				0.50	0.50				1.00
	TE	DIAZ-VELEZ, JUAN CARL	Core Software	Simulation Programs: diplopia	NSF M&O Core			0.80			0.80
			Simulation Programs	Maintain Simulation Production Software	NSF M&O Core					0.20	0.20
		DIAZ-VELEZ, JUAN CARLOS Total						0.80		0.20	1.00
		FADIRAN, OLADIPO	Core Software	Maintain Data Processing Software	NSF M&O Core			0.20			0.20
			Data Storage & Transfer	Transformation of Data for Long-Term Persistence and Archival, e.g., HDF5 Maintain Data Warehouse Standards, Software (Ingest), Data Access (FTP), and Web Interface	NSF M&O Core			0.20			0.20
			Simulation Production	0.30 Coordination of Simulation Production 0.30 Maintain production configurations, manage test production and maintain web portal.	NSF M&O Core			0.60			0.60
		FADIRAN, OLADIPO Total						1.00			1.00
		MCGUIRE, PAUL	Computing Resources	Maintain Data Center Infrastructure	NSF M&O Core			0.50			0.50
			Data Storage & Transfer	Maintain and Operate Data Storage Infrastructure	NSF M&O Core			0.50			0.50
		MCGUIRE, PAUL Total						1.00			1.00
		MEADE, PATRICK	Data Production Processing	0.2 Unpacking, Decoding and Calibration of Raw Data in the North (Level1) 0.3 Run Common Reconstructions on UW IceCube Compute Cluster (Level2)	NSF M&O Core			0.50			0.50
			Data Storage & Transfer	Transfer Data from S. Pole to UW Data Warehouse and Archive at S. Pole Maintain Data Transfer Software (SPADE) Maintain Data Warehouse Standards, Software (Ingest), Data Access (FTP), and Web Interface	NSF M&O Core			0.50			0.50
		MEADE, PATRICK Total						1.00			1.00
		UW TE	Computing Resources	Maintain Core High Performance Computing Systems	NSF M&O Core			0.44			0.44
			Core Software	Maintain Data Processing Software	NSF M&O Core			0.30			0.30
			Data Storage & Transfer	Transformation of Data for Long-Term Persistence and Archival, e.g., HDF5 Maintain Data Warehouse Standards, Software (Ingest), Data Access (FTP), and Web Interface	NSF M&O Core			0.30			0.30
			Engineering and R&D Sup	EMI, Instrumentation, I/F	NSF M&O Core	0.25					0.25
		UW TE Total				0.25	0.00	1.04			1.29
	WO	UW WO	Run Coordination	Operate Detector (Winter-Overs)	NSF M&O Core		3.00				3.00
		UW WO Total					3.00				3.00
UW Total						**6.88**	**10.44**	**10.54**	**0.80**	**2.45**	**31.11**
UWRF	KE	MADSEN, JIM	Education & Outreach	Teachers' program and UWRF Upward Bound	US Institutional Support	0.10					0.10
			Reconstruction/ Analysis	Cosmic ray shower simulations and reconstruction	US Institutional Support					0.10	0.10
		MADSEN, JIM Total				0.10				0.10	0.20
		SPICZAK, GLENN	IceTop Operations	IceTop tank Monitoring	US Institutional Support		0.03				0.03
		SPICZAK, GLENN Total					0.03				0.03
	SC	Tamburro, Alessio	IceTop Operations	IceTop tank Monitoring	US Institutional Support		0.03				0.03
			Reconstruction/ Analysis	Shower simulations, TankTop simulation	US Institutional Support					0.20	0.20
		Tamburro, Alessio Total					0.03			0.20	0.23
	TE	UWRF TE	Education & Outreach	Teachers Program	US Base Grants	0.15					0.15
		UWRF TE Total				0.15					0.15
UWRF Total						**0.25**	**0.05**			**0.30**	**0.60**
Grand Total						**9.93**	**15.49**	**14.68**	**3.58**	**8.43**	**52.11**

Category Descriptions:

Cat.	Description	Cat.	Description	Cat.	Description	Cat.	Description
AD	Administration	GR	Graduate Student	PO	Postdoctoral Scientist	TE	Technician
CS	Computer Science Eng.	KE	Key Personnel/Faculty	SC	Scientist	WO	Winterover
EN	Engineer	MA	Management	SE	Senior Engineer		

Institution	Labor Cat.	Names	WBS L3	Tasks	WBS 2.1 Program Management	WBS 2.2 Detector Maintenance & Operations	WBS 2.3 Computing & Data Management	WBS 2.4 Triggering & Filtering	WBS 2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total

Category legend:

Cat.	Description	Cat.	Description	Cat.	Description	Cat.	Description
AD	Administration	GR	Graduate Student	PO	Postdoctoral Scientist	TE	Technician
CS	Computer Science Eng.	KE	Key Personnel/Faculty	SC	Scientist	WO	Winterover
EN	Engineer	MA	Management	SE	Senior Engineer		

Institution	Labor Cat.	Names	WBS L3	Tasks	2.1	2.2	2.3	2.4	2.5	Grand Total
ALBERTA	KE	GRANT, DARREN	Reconstruction/ Analysis t	Maintenance of IceCube-Photonics interface					0.10	0.10
			Simulation Production	WestGrid computing			0.10			0.10
		GRANT, DARREN Total					0.10		0.10	0.20
	PO	ALBERTA, PO	Reconstruction/ Analysis t	Maintenance of IceCube-Photonics interface					0.30	0.30
		ALBERTA, PO Total							0.30	0.30
ALBERTA Total						**0.10**	**0.00**		**0.40**	**0.50**
BARBADO	KE	Seunarine, Suruj	DATA QUALITY, RECO	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
			Physics Filters	Work on cascade filter				0.15		0.15
		Seunarine, Suruj Total						0.15	0.15	0.30
BARBADOS Total								**0.15**	**0.15**	**0.30**
CHIBA	KE	YOSHIDA, SHIGERU	Physics Filters	EHE WG Lead				0.25		0.25
		YOSHIDA, SHIGERU Total						0.25		0.25
		CHIBA KE	Reconstruction/ Analysis t	Maintain Romeo, EHE Simulations					0.20	0.20
		CHIBA KE Total							0.20	0.20
	SC	CHIBA SC	Reconstruction/ Analysis t	Maintain Romeo, EHE Simulations, Maintain reconstruction projects (Portia), MC/Data comparison for EHE-filtered and IceTop events, Standard Candle Analysis					0.20	0.20
		CHIBA SC Total							0.20	0.20
	GR	ONO, MIO	Physics Filters	EHE Filters				0.15		0.15
		ONO, MIO Total						0.15		0.15
		CHIBA GR	Detector Monitoring	Detector Monitoring		0.03				0.03
			Reconstruction/ Analysis t	Improve the Ice Model, Afterpulse Simulator, Standard Candle Analysis, Maintain reconstruction projects (Ophelia, ehe-star)					0.20	0.20
		CHIBA GR Total				0.03			0.20	0.23
CHIBA Total						**0.03**		**0.40**	**0.60**	**1.03**
DESY	KE	SPIERING, CHRISTIAN	Administration	ExecCom member	0.15					0.15
		SPIERING, CHRISTIAN Total			0.15					0.15
		NAHNHAUER, ROLF	Engineering and R&D Sup	Acoustic R&D Support	0.10					0.10
		NAHNHAUER, ROLF Total			0.10					0.10
		WALTER, MICHAEL	Simulation Production	Simulation Production Cluster			0.20			0.20
		WALTER, MICHAEL Total					0.20			0.20
	SC	BENABDERRAHMANE	Detector Monitoring	Deputy Monitoring Coordinator		0.20				0.20
		BENABDERRAHMANE, LOFTI Total				0.20				0.20
		DESY SC	Detector Monitoring	Detector Monitoring		0.06				0.06
		DESY SC Total				0.06				0.06
		SULANKE, K.-H.	Data Acquisition	DAQ Firmware Support		0.15				0.15
		SULANKE, K.-H. Total				0.15				0.15
		BERGMANN, JENS	Simulation Production	Simulation Production Cluster			0.25			0.25
		BERGMANN, JENS Total					0.25			0.25
	GR	FRANKE, ROBERT	Physics Filters	Online Filter for Alerts				0.10		0.10
				Rate Data Bank South Pole				0.10		0.10
		FRANKE, ROBERT Total						0.20		0.20
		DESY GR	Detector Monitoring	Detector Monitoring		0.12				0.12
			Simulation Production	Simulation Production Cluster			0.15			0.15
		DESY GR Total				0.12	0.15			0.27
		MIDDELL, EIKE	Reconstruction/ Analysis t	Cascade Reconstruction					0.30	0.30
		MIDDELL, EIKE Total							0.30	0.30
		ACHIM STOESSL	Detector Calibration	Flasher Analysis		0.20				0.20
		ACHIM STOESSL Total				0.20				0.20
		EIKE MIDDELL	Detector Calibration	Flasher Analysis		0.10				0.10
		EIKE MIDDELL Total				0.10				0.10
		KISLAT, FABIAN	Computing Resources	Reconstruciton Coordinator (acting), Maintain Reconstruction Framework			0.15			0.15
		KISLAT, FABIAN Total					0.15			0.15
	TE	DESY TE	Computing Resources	European Data Center -Distributed Computing and Labor			2.00			2.00
		DESY TE Total					2.00			2.00
DESY Total					**0.25**	**0.83**	**2.75**	**0.20**	**0.30**	**4.33**
DTMND	SC	PIELOTH, DAMIAN	Computing Resources	Coordinate GRID computing in Germany			0.25			0.25
		PIELOTH, DAMIAN Total					0.25			0.25
	GR	DTMD GR	Detector Monitoring	Detector Monitoring		0.03				0.03
			Simulation Production	Simulation Production			0.40			0.40
		DTMD GR Total				0.03	0.40			0.43
		Milke, Natalie	Simulation Programs	Simulation Programs: noise-generator					0.20	0.20
		Milke, Natalie Total							0.20	0.20
DTMND Total						**0.03**	**0.65**		**0.20**	**0.88**

IceCube M&O Staffing Matrix sort by Institutions v8.2 2010.0430.xls

Institution	Labor Cat.	Names	WBS L3	Tasks	WBS 2.1 Program Management	WBS 2.2 Detector Maintenance & Operations	WBS 2.3 Computing & Data Management	WBS 2.4 Triggering & Filtering	WBS 2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
			Cat. Description AD Administration; CS Computer Science Eng.; EN Engineer	**Cat. Description** GR Graduate Student; KE Key Personnel/Faculty; MA Management	**Cat. Description** PO Postdoctoral Scientist; SC Scientist; SE Senior Engineer	**Cat. Description** TE Technician; WO Winterover				
EPFL	KE	EPFL KE	Engineering and R&D Sup	Acoustic R&D Support	0.10					0.10
		EPFL KE Total			0.10					0.10
	SC	EPFL SC	Reconstruction/ Analysis t	SLF, Low Energy, Energy reconstruction (development)					0.25	0.25
		EPFL SC Total				0.00			0.25	0.25
	GR	EPFL GR	Detector Monitoring	Detector Monitoring		0.03				0.03
		EPFL GR Total				0.03				0.03
EPFL Total					**0.10**	**0.03**			**0.25**	**0.38**
HUMB	SC	HUMB SC	Detector Monitoring	Detector Monitoring		0.03				0.03
			Reconstruction/ Analysis t	Reconstruction/ Analysis tools					0.10	0.10
		HUMB SC Total				0.03			0.10	0.13
		WALDENMAIER, TILO	Administration	ICC member for reconstruction	0.15					0.15
			IceTop Operations	IceTop Operations		0.10				0.10
			Physics Filters	CR-WG Filter				0.15		0.15
				CR-WG Lead				0.25		0.25
		WALDENMAIER, TILO Total			0.15	0.10		0.40		0.65
HUMB Total					**0.15**	**0.13**		**0.40**	**0.10**	**0.78**
MPI	KE	RESCONI, ELISA	Administration	Analysis Coordinator	0.50					0.50
		RESCONI, ELISA Total			0.50					0.50
	PO	MPI PO	Data Quality	Data Quality & DeepCore					0.60	0.60
		MPI PO Total				0.00			0.60	0.60
	GR	MPI GR	Detector Monitoring	Detector Monitoring		0.05				0.05
		MPI GR Total				0.05			0.00	0.05
MPI Total					**0.50**	**0.05**			**0.60**	**1.15**
RWTH	KE	WIEBUSCH, CHRISTOP	Administration	Coordinate BMBF Funding	0.10					0.10
		WIEBUSCH, CHRISTOPHER Total			0.10					0.10
	SC	RWTH SC	Core Software	Maintain Reconstruction Framework			0.10			0.10
			Engineering and R&D Sup	Acoustic R&D Support	0.10					0.10
			Simulation Production	Simulation Production on cluster/GRID			0.10			0.10
		RWTH SC Total			0.10	0.00	0.20		0.00	0.30
	PO	BOERSMA, DAVID RW	Physics Filters	Gal Cen Filter (Moon Filter)				0.15		0.15
				muon channel WG Co. Chair				0.25		0.25
		BOERSMA, DAVID RWTH Total						0.40		0.40
	GR	RWTH GR	Core Software	Maintain Reconstruction Framework			0.15			0.15
			Detector Monitoring	Monitoring (3 weeks)		0.09				0.09
			Reconstruction/ Analysis t	Reconstruction Software					0.30	0.30
			Simulation Production	Simulation Production on cluster/GRID			0.85			0.85
		RWTH GR Total				0.09	1.00		0.30	1.39
		SCHUKRAFT, ANNE	Data Production Processin	Photonics Production			0.25			0.25
		SCHUKRAFT, ANNE Total					0.25			0.25
		WALLRAFF, MARIUS	Reconstruction/ Analysis t	New Feature Extractor					0.50	0.50
		WALLRAFF, MARIUS Total							0.50	0.50
RWTH Total					**0.20**	**0.09**	**1.45**	**0.40**	**0.80**	**2.94**
SU	KE	HULTH, PER OLOF	Administration	ExecCom member	0.20					0.20
				ICB Member	0.05					0.05
				Outreach	0.15					0.15
			Physics Filters	Low Energy DeepCore WG Lead				0.25		0.25
		HULTH, PER OLOF Total			0.40			0.25		0.65
		HULTQVIST, KLAS	Simulation Programs	Photonics/Simulation Work, hit-maker					0.15	0.15
		HULTQVIST, KLAS Total							0.15	0.15
		WALCK, CHRISTIAN	Administration	Pubcom member	0.10					0.10
			Simulation Programs	Photonics/Simulation Work					0.05	0.05
		WALCK, CHRISTIAN Total			0.10				0.05	0.15
	SC	FINLEY, CHAD SU	Administration	Coordination with LIGO	0.10					0.10
			Physics Filters	WG Lead				0.25		0.25
			Simulation Programs	Simulation Programs: neutrino-generator					0.20	0.20
		FINLEY, CHAD SU Total			0.10			0.25	0.20	0.55
		SEO, SEON-HEE	Physics Filters	Develop & verify filters				0.05		0.05
			Reconstruction/ Analysis t	Photonics/Simulation Work					0.15	0.15
		SEO, SEON-HEE Total						0.05	0.15	0.20
		SU SC	Computing Resources	Computing Resources			0.50			0.50
		SU SC Total					0.50			0.50
	GR	DANNINGER, MATTIA	Physics Filters	WIMP Trigger & Filter				0.15		0.15
		DANNINGER, MATTIAS Total						0.15		0.15
		JOHANSSON, HENRIK	Physics Filters	UHE Trigger & Filter				0.10		0.10
			Simulation Production	GRID/Simulation production & development			0.20			0.20
		JOHANSSON, HENRIK Total					0.20	0.10		0.30
		SU GR	Detector Monitoring	Detector Monitoring		0.06				0.06
		SU GR Total				0.06				0.06
SU Total					**0.60**	**0.06**	**0.70**	**0.80**	**0.55**	**2.71**

IceCube M&O Staffing Matrix sort by Institutions v8.2 2010.0430.xls

Institution	Labor Cat.	Names	WBS L3	Tasks	WBS 2.1 Program Management	WBS 2.2 Detector Maintenance & Operations	WBS 2.3 Computing & Data Management	WBS 2.4 Triggering & Filtering	WBS 2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
UBOCHUM	KE	BECKER, JULIA	Administration	Pubcom member	0.10					0.10
		BECKER, JULIA Total			0.10					0.10
	PO	Dreyer, Jens	Simulation Programs	Simulation Programs: neutrino-generator					0.20	0.20
				Update MMC from Java to C++					0.25	0.25
		Dreyer, Jens Total							0.45	0.45
	GR	Olivo, Martino	Simulation Programs	Update MMC from Java to C++					0.25	0.25
		Olivo, Martino Total							0.25	0.25
		UBOCHUM GR	Detector Monitoring	Detector Monitoring		0.03				0.03
		UBOCHUM GR Total				0.03				0.03
UBOCHUM Total					**0.10**	**0.03**			**0.70**	**0.83**
UBONN	KE	KOWALSKI, MAREK	Administration	Pubcom member	0.10					0.10
			Physics Filters	cascades WG Co-Lead				0.25		0.25
				Point source WG Co-Lead				0.25		0.25
			TFT Coordination	TFT Board member				0.10		0.10
		KOWALSKI, MAREK Total			0.10			0.60		0.70
	PO	Boeser Sebastian	Run Coordination	Run coordinator		0.50				0.50
		Boeser Sebastian Total				0.50				0.50
	GR	FRANCKOWIAK, ANNA	Physics Filters	Alert System for follow-up				0.20		0.20
		FRANCKOWIAK, ANNA Total						0.20		0.20
		PANKNIN, SEBASTIAN	Physics Filters	IC-59 Pole Filters				0.05		0.05
		PANKNIN, SEBASTIAN Total						0.05		0.05
		UBONN GR	Detector Monitoring	Detector Monitoring		0.03				0.03
			Reconstruction/ Analysis t	Reconstruction/ Analysis tools					0.20	0.20
		UBONN GR Total				0.03			0.20	0.23
	AD	UBONN AD	Administration	Host Fall Collaboration Meeting	0.10					0.10
		UBONN AD Total			0.10					0.10
UBONN Total					**0.20**	**0.53**		**0.85**	**0.20**	**1.78**
UC	SC	GROSS, ANDREAS	DATA QUALITY, RECO	Data Quality, Reco. & Sim. Tools Coordinator ("Low-level" Analysis Coordinator)					0.50	0.50
		GROSS, ANDREAS Total							0.50	0.50
	GR	UC GR	Detector Monitoring	Detector Monitoring		0.02				0.02
			Run Coordination	Flasher Runs		0.10				0.10
		UC GR Total				0.12				0.12
UC Total						**0.12**			**0.50**	**0.62**
UGENT	SC	UGENT SC	Engineering and R&D Sup	Acoustic R&D Support	0.05					0.05
			Simulation Programs	Support IceTop Simulations, IceTop Calibrations, IceTop Reconstruction					0.10	0.10
		UGENT SC Total			0.05				0.10	0.15
	GR	UGENT GR	Detector Monitoring	Detector Monitoring		0.03				0.03
			Engineering and R&D Sup	Acoustic R&D Support	0.05					0.05
			Simulation Programs	Support IceTop Simulations, IceTop Calibrations, IceTop Reconstruction					0.40	0.40
		UGENT GR Total			0.05	0.03			0.40	0.48
UGENT Total					**0.10**	**0.03**			**0.50**	**0.63**
ULB	KE	BERTRAND, DANIEL	Administration	ExecCom member	0.20					0.20
		BERTRAND, DANIEL Total			0.20					0.20
		HANSON, KAEL ULB	Data Acquisition	Data Acquisition		0.20				0.20
			Engineering and R&D Sup	EMI/R&D	0.10					0.10
			TFT Coordination	TFT Board member				0.10		0.10
		HANSON, KAEL ULB Total			0.10	0.20		0.10		0.40
	PO	Marotta, Alberto	Core Software	Maintain and Operate Database Systems (I3OmDb)			0.20			0.20
			Simulation Production	Computer Cluster - simulation			0.30			0.30
		Marotta, Alberto Total					0.50			0.50
	GR	ULB GR	Detector Monitoring	Detector Monitoring		0.03				0.03
			Physics Filters	Study of Tau Filters at South Pole				0.10		0.10
		ULB GR Total				0.03	0.00	0.10		0.13
ULB Total					**0.30**	**0.23**	**0.50**	**0.20**		**1.23**
UMH	GR	KOHNEN, GEORGE	Computing Resources	IC database management			0.30			0.30
			Detector Monitoring	Detector Monitoring		0.03				0.03
		KOHNEN, GEORGE Total				0.03	0.30			0.33
UMH Total						**0.03**	**0.30**			**0.33**
UOX	KE	SARKAR, SUBIR	Detector Monitoring	Detector Monitoring		0.02				0.02
			Simulation Programs	Yellow Book-maintenance					0.10	0.10
		SARKAR, SUBIR Total				0.02			0.10	0.12
UOX Total						**0.02**			**0.10**	**0.12**

Category Descriptions

Cat.	Description	Cat.	Description	Cat.	Description	Cat.	Description
AD	Administration	GR	Graduate Student	PO	Postdoctoral Scientist	TE	Technician
CS	Computer Science Eng.	KE	Key Personnel/Faculty	SC	Scientist	WO	Winterover
EN	Engineer	MA	Management	SE	Senior Engineer		

IceCube M&O Staffing Matrix sort by Institutions v8.2 2010.0430.xls

Institution	Labor Cat.	Names	WBS L3	Tasks	WBS 2.1 Program Management	WBS 2.2 Detector Maintenance & Operations	WBS 2.3 Computing & Data Management	WBS 2.4 Triggering & Filtering	WBS 2.5 Data Quality, Reconstruction & Simulation Tools	Grand Total
			Cat. Description	Cat. Description						
			AD Administration	GR Graduate Student	PO Postdoctoral Scientist	TE Technician				
			CS Computer Science Eng.	KE Key Personnel/Faculty	SC Scientist	WO Winterover				
			EN Engineer	MA Management	SE Senior Engineer					
UU	KE	BOTNER, OLGA	Administration	Outreach	0.05					0.05
				Pubcom Chair	0.40					0.40
		BOTNER, OLGA Total			0.45					0.45
		de los HEROS, CARLOS	Physics Filters	WIMP WG Lead				0.25		0.25
			TFT Coordination	TFT Board member				0.10		0.10
		de los HEROS, CARLOS Total						0.35		0.35
		HALLGREN, ALLAN	Administration	Outreach	0.05					0.05
				Speakers Comm member	0.10					0.10
			Engineering and R&D Sup	Acoustic R&D Support	0.20					0.20
		HALLGREN, ALLAN Total			0.35					0.35
	PO	MILLER, JONATHAN	Simulation Programs	Simulation Programs: photonics					0.20	0.20
		MILLER, JONATHAN Total							0.20	0.20
	GR	ENGDEGARD, OLLE	Physics Filters	Online filter development & testing				0.15		0.15
		ENGDEGARD, OLLE Total						0.15		0.15
		UU GR	Detector Monitoring	Detector Monitoring		0.03				0.03
		UU GR Total				0.03				0.03
UU Total					0.80	0.03		0.50	0.20	**1.53**
VUB	KE	VUB KE	Physics Filters	Verify Filters				0.20		0.20
		VUB KE Total						0.20		0.20
	PO	Strahler, Erik	Simulation Production	Vetting new sim. releases with test datasets & compare with experimental data at low level			0.50			0.50
		Strahler, Erik Total					0.50			0.50
		VUB PO	Physics Filters	Verify Filters				0.30		0.30
		VUB PO Total						0.30		0.30
	GR	VUB GR	Detector Monitoring	Detector Monitoring		0.03				0.03
		VUB GR Total				0.03				0.03
VUB Total						0.03	0.50	0.50		**1.03**
WUPPERTAL	KE	HELBING, KLAUS	Administration	Speakers Comm member	0.10					0.10
			Engineering and R&D Sup	R&D Lead	0.10					0.10
		HELBING, KLAUS Total			0.20					0.20
		WUPPERTAL KE	Engineering and R&D Sup	RFI	0.10					0.10
		WUPPERTAL KE Total			0.10					0.10
	PO	KARG, TIMO	Engineering and R&D Sup	Acoustic Lead	0.10					0.10
			Simulation Production	Simulation Production			0.20			0.20
		KARG, TIMO Total			0.10		0.20			0.30
	GR	WUPPERTAL GR	Detector Monitoring	AURA, SPATS, surface antenna operations (RICE)		0.45				0.45
				South Pole EMI Monitoring		0.15				0.15
			Physics Filters	New SUSY Filter				0.20		0.20
			Reconstruction/ Analysis t	New SUSY Reconstruction, Simulation, Propagation, Monopole, Photonics					0.50	0.50
			Simulation Production	Simulation Production			0.20			0.20
		WUPPERTAL 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**
MAINZ	KE	Kópke, Lutz	Administration	ExecCom member	0.15					0.15
		Kópke, Lutz Total			0.15					0.15
	SC	AHRENS, JENS	Simulation Production	Simulation Production			0.15			0.15
		AHRENS, JENS Total					0.15			0.15
	GR	Kroll, Gösta	SuperNova Operations	SuperNova Operations		0.50				0.50
		Kroll, Gösta Total				0.50				0.50
		Lünemann, Jan	Reconstruction/ Analysis t	Reconstruction Tools					0.20	0.20
		Lünemann, Jan Total							0.20	0.20
		SCHATTO, KAI	Detector Monitoring	Monitoring IceCube Live integration		0.35				0.35
		SCHATTO, KAI Total				0.35				0.35
		UM GR	Detector Monitoring	Detector Monitoring		0.05				0.05
		UM GR Total				0.05				0.05
		WIEBE, KLAUS	Simulation Production	Simulation Production			0.30			0.30
			SuperNova Operations	SuperNova IceCube Live integration		0.10				0.10
		WIEBE, KLAUS Total				0.10	0.30			0.40
MAINZ Total					0.15	1.00	0.45		0.20	**1.80**
Grand Total					3.85	3.90	7.80	4.60	6.85	**27.00**