June 2020 Sea Ice Outlook Key Statements Contributor	Type	Dynamic Model Type	Arctic Median	Standard Deviation	_	Arctic	Arctic Antarctic	Antarctic	Antarctic	Antarctic	Alaska P	ossible ex Extent	Estimate Summary	Executive Summary	Method Summary	Sea fee Concentration Data	Sea Ice Thickness Data	Processing Description
Contributor	Type	Dynamic stoner Lype	Extent	Standard Deviation	Range	Minimum	Maximum Extent	Minimum	Median	Maximum	Extent Ma	x Extent	Estimate Summary	Executive Summary	The MOMAN ferroscotion custom is based on a continuis of	Sea ice Concentration Luta	Sea ICE I HICKNESS DATA	Processing Description
University of Washington/APS	Dynamic Model	Systems conduct Year-Arctic Soc Occase Nationaling and Assemblation Systems (POMAC, Young and Assembly 2010), with computed in our and cocase model compromers. The occase model is the Polyseral of Occase Preparation model and use on exist in the Poliseces. The 2010 Assemblated Cocase Preparation and one of an existence in the Technicates. The 2010 Assemblate Socrat in Form the NCCP Classics Forward Systems (CFS) services 2 (Safes et al., 2014) Introduct and Forecast.	12											Dimen by the NCEP O'S forecast atmospheric feeting, PICOMA is used to predict the tread Superimber 2000 Aries are not entered as well as ser properties are as well as a service of the se	PAGEMA, The ASET O'S Invested and reference attransplants Compared and ASET O'S Invested and reference attransplants Compared and on connectations and one and real sections of the CS of Section Representation and the CS of Section Representation and the CS of Sectionaria Representation and the CS of Sectionaria Representations and the Representat	Satellite is a loc concentration data (NAAA team) for data assemblation in Nedocst.	Crystiat2 was it is thickness up to 4/2006 for data assummations in hondrast.	
GFDL/NOAA (Bushuk et al.)	Dynamic Model	dra. non	35 347	0.2	326-333	3.26	3.93				0.34	3.8	These statistics are computed using our 22 member prediction ensemble.	Our laws I prediction for this department averaged Articl sea like indicated. 1.50 million from the worth an observation group of 2.52.53 million issues to be with an observation group of 2.52.53 million issues to be only production in their other CIAT-COM consistent opportunities for foreign and consistent of the control of the cont	For foreign 1, source or to \$1000, source or comment for the Counter of Count	No SC data is explicitly used in our initialization procedure.	No 517 data is explicitly used in our installization procedure.	These forecasts are bias corrected based on an additive correction using a suite of spanning 1980-2019.
ANG DIAP-LASG	Dynamic Model	CAS-FGOALS IZ (Atmospheric component FARAIZ), Crean component FOP, Sas los component COSE, Lend component COM) Prolizosal residention. Approximatily 1— Initial articular. A mulging scheme to assimilate write components (XI et VI), Temperature (T) in atmosphere and potential temperature in cocan	3.8 3.4	0.4	2242	22	42						The uncertainty was estimated by the ensemble member spread.	The prediction for the sex ice and/ork her 2000 was corried and or of mul-Jule Turble -2 lugaremospher, with in dynamic model prediction yellow. GO FOOLK-1-5 23 V1. The dynamic model prediction yellow. Resemble of FOOLK-5 (1) Concessors shortputs and model), provide and several present predictions with the prediction of the sex individual prediction. For any other sex individual prediction of the sex individual prediction	FGOALS-12 32 V.3 is a global coagled dynamic prediction system. The infinitesized or this prediction system is based on a strength of the prediction system in based on a few properties of the prediction of the properties of the			Model bias that is removed is calculated based on 2019 retrospective forecasts and corresponding observations.
стом	Statistical		3.8	0.5									Mean forecast error based on forecasts for the years 1984 to 2019.	are profes the Apparehor to mixed 2000 to be \$10,0.4.0) million host. This is the Augustee prediction we have made based on pringe milliog and discontinum the Mandess and SSR bit this Supplement well able are readered with a reserved of the continue of the Augustee are removalented million and formation in the Central Augustee (and Augustee). All May when are temperature exceeded chaig C.	This is a still confident prediction based on the convertion between the line state content of t			See references in Section 6.
Model Team	Statistical		3.89										RMS5 + 0.46 million kim2. W compare hindcasts to the observed means September sea on extent for the 1995- 2019 period.	research focusion is natural professionally of an air in the Arc Deckman single diseasement confidence of the confidence of the confidence personalization (effect on the pack to be lost the source and it, specified and the confidence of the confidence of the confidence of the confidence of the confidence of the Arc Deckman place to evolve tegral and states on the monthess of the Arc Deckman place to evolve tegral and set seems of the confidence of the Arc Deckman place to evolve tegral and states on the monthess of the Arc Deckman place to evolve tegral and seems one temporaries to the place of the arc Deckman place of the confidence of the confidence of the Arc Deckman place of the arc Deckman place of the sea to experience of the Arc Deckman place of the arc Deckman place of the sea to experience of the Arc Deckman place	The detailed production for the ADD monthly place Lyperhelm is seen to 3.89 million square bloomers. The detailed prediction composed as a sum of the linear tree (inclinating) and except production in the control of	See for concentration is not used as an initial condition flush as an adjacentical condition for the see that the seek of the		
Simmons, Charles	Statistical	This is a virient of Dallac's model. This is a simple linear regression on three writinkes from 329 fromish 2002, used to predict ISDCC September modely as also as eastern 129 fromish 2002, used to predict ISDCC September models as also as eastern 12002, and the predict ISDCC September 1200	3.949	0.495 million square kilometers									Standard Error of Linear Regression	The model used here assumes September sax ice extent is modify based on the september of the temperature of the september of	This is a variant of Dobler's model. This is a simple linear regression on three variables from 1979 through 2003, used to "Mar a regression on three variables from 1979 through 2003, used to "Mar a regression of the same so is a seaso (the J / Viside do. solvedes a della Volta STS / NOAA / Viol 115 / reside e.g. and 1974 / Viside do. solvedes a della Volta STS / NOAA / Viol 115 / reside e.g. and 1974 / Viside do. solvedes a della Volta STS / NOAA / Viol 115 / reside e.g. and 1974 / Viside do. solvedes a della Volta STS / Viside do. STS / Visid			None
CPOM UCL (Gregory et al.)	Statistical		3.96	0.34									Forecasts are Gaussian distributions. Forecast reprisents the mean, and uncertainties are given by the standard deviation	This statistical model comparts a forecast of gas-Acros, September sea too enter Monthly energied hay as not concentration and for surface temperature fields between 2019 and 2012 were seed to create a climate returned, between 2019 and 2012 were seed to create a climate returned, between 2019 and 2012 were seed to create a climate returned, between 2019 and 2012 were seed to create a climate returned, between 2019 and 2012 were seed to create a climate model predicts a para-Actic selected of 3.5% million square sillemeters. See to and 5010000, 100(1), Sea surface temperature data were from ERAS readeplish.	Monthly energed May as it on conventionin (SIG) data between 2797 and 2000 were used in or state a May Is Crimital/completed network, and similarly for as a strake temperature (SIG) entered in the convention of the convention of the convention of space temperal bennegembly by using a community direction space temperal bennegembly proving a community direction depression of the convention of the convention of space temperal bennegembly by the convention at paymin statest Registration and convention of the convention of of the registration particles. Subsequently a confirm distribution of the registration particles of the convention of generate the forestant of September set on some for generate the forestant of Septembers are to execut.	MSIDC NASA Faam Sak for Concentrations: 1979 - 1987 Nimbos -7 SSMR 1987 - 2007 ISMR P 4, F-1, F-13 SSM/N 2007 - 2018 ISMR - 5 SSM/N 2018 - 2020 Naser-et al time SiC		
Climate Prediction Center	Dynamic Model	Whole Model: CFSinS. Amougheit: Component: NCEP of IS Orasaric Component: SFEE MCMS	4.01 4.01	0.176	3.72-4.45	3.72	4.45				0.56		The standard deviation is calculated from the 20-member ensemble.	This contribution is from a 20-member ensemble forecast from the Climate Prediction Center Experimental sea ice forecast system (CFSm3). Model bias that is removed is calculated based on 2007-2003 retrospective forecasts and corresponding observations.	The outlook is produced from the Climate Prediction Center Experimental sea les ferecast system (CSHss). The forecast is initialized from the Climate Forecast System Resealpsis (CSR) for the ocean, fand, and stronsphere and from the CPC sea initialization system (CSS) for sail ice. Twentry ferecast members are produced. Model bias that is removed is calcitable based on 2007-2019 etrospective forecasts and corresponding observations.	Both sea is a concentration and sea ice thickness are initialized from the GPC sea ice initialization system (CSS). The CSS analysis is produced with GPC ANDAG which uses surface fields from CFF and assimilates satellite sea ice concentration retrieval from NSIDC ANDAG feath	Both sea ice concentration and sea ice thickness are initialized from the CPC sea ice initialization system (CSSS). The CSIS analysis is produced with GPDL MOMS which uses surface fields from CPSR and assimilates satellite sea ice concentration retrieval from NSIDC NASA Team	Twenty forecast members are produced. Model bias that is nemoved is calculated based on 2007-2029 retrospective forecasts.
Cireley, Ginin	Statistical	Gaussian Process Regression	4.0791 4.0791		2.9757 - 5.1825	2.9757	5.1825						Bayesian posterior predictive uncertainty from Gaussian Process	This is a purely statistical method (related to Krigging) to estimate the long term trend from previous observations of september Arctic sea ice extent. As this uses only september observations, the prediction is not altered by observations made during the Summer of 2020.	This is a punely statistical method, which uses a Gaussian process grapssion (cf. Niging) model to strimes the (non-linear) long term trend from previous observed september Arctic sea ion extern. The model uses a radial basis convariance function and tunes the parameters via marginal likelihood maximisation (uniform the GPMs. toolsee for MATIAB). As this uses only September observations, the prediction is not altered by observations made during the Summer of 2020.	Only uses previous mothly September sea ice extent data.		
NSIDE (Meier)	Statistical		4.13	0.66			18.39						Standard division of September extents of projections from years 2007- 2019	Now we that against alloy as too care as emispass from the sur take as too care the company of t	This service against all his to law store is surrequised to make and fall (see 2). The best of a figure the first place of the	NASA Years algorithm extents from the NASC Sea he index. Version 3 (http://webs.org/dests/seasin_index)		
NSIDC (Honvath et al.)	Statistical	Bayesian Logistic Regression	4.19											This consists of model compacts the probability that use to will be present forcementation about 50% for each pind of in INCCC point recipier projection. Vealsy data from 1300 through the present as used on a Bayester projection. Needless incides their solvance and respective, legislater approxime. Needless incides their solvance and respective, legislater projection. Needless incides to sufficient solvance for their solvance of projections in legislater at 5000 thats, and Pacific and Admiris case surface improprietation. See legislater at 5000 thats, and Pacific solvance from NSDCS See let index VI (Deck let in 000 1315), all other woundless are from NSDCS See let index VI (Deck let in 000 1315), all other woundless are from NSDCS See let index VI (Deck let in 000 1315).	Yearly data from 1980 through the present are used in a Bayesian logistic regression to predict the probability that is as itself to be about 15K. To state that lead is extended as the same of the NASCE's paid the regression to the same paid dataset probability by NASCE's and then summed. See ice concentration data was obtained from NSDIC's See Ice leave VI (Data Set DOSIS), all other variables are from NASA's MERRA2 dataset.	NSIOC's Sea lot Index V3 (Data Set ID 002335)		

APPLICATE (VCloudine) Dynamic Model	NRANCE 6 (prices) URBANCE (ask ex) ARA 56 (see persylver for the	423 423 0.67 million sq. lan 2.73 million lan -a	20.77	6.47	5.39	the execution is given to the control of the contro	ensemble and the rapidly changing Arctic atmospheric conditions in recent decades. The estimate given above corresponds to the ensemble median morthly September extent. No bias-correction is applied.	notical sea los concentracions; come from a model finer eux on Jan 1, 2000	widel sea ice thicknesses come from a model free run on zen 1, 2000	None.
ANT Consettum Symmic Model	NACSIM Zilim pale iersiic	427 SM				Scientific curtailty	For the person standard the complete has to even model (MSSA) and the complete has to even model (MSSA) and the complete has to the MSSA (MSSA) and the MSSA (MSSA) an	OS SM ELMETIAT OS-4038 March and April 203 Dimp://mased met.m/(met/meted_cdmpt_yat_pen_you oscievfupl_pell)	Crysles 2 ST from Filled Vegative Institute of Motor and April 2029 (Frenchisch, S. 4) and Stoker, B. (2029). Product of S. 4, Appendix B. (2029). Product of S. 4, Appendix B. (2021). Product of S. (2021). Product of S. (2021). Product of Sept. (Ensemble spread
Wu, Tallapragada, and Grumbine Dynamic Model	Model Name, NEDE CF.D.C. Compromethismential Bilation AlmosphereNCEP GESSACE CRASS Obserfol CR. MODEL MINE COGNAS SECTION OF CRASS SECTION OF	43	18.88			The projected Actic minimum sais in sched from the MCID CSD model. May intell conditions (CS) classiff SC enabler member (Second Second	We used the NCEP CFSv2 model with 124-case of May 2020 initia e conditions (4 cycles each day May 1-31) and model.	NCEP Sea toe Concentration Analysis for the CFSv2 (May 1-31, 2020)	NCEP CFSv2 model guess (May 1-31, 2020)	
NCAR/CU-Boulder Heuristic		43 437 489 234				An informal paid of 11 climates accessing in early use 2020 extensive flow in significant 2020 cere will be 4.20 million (in clips 4.5.4 million in clips 4.5 million in climps 4.5 million in climps 4.5 million in clips 4.5 mil				
FIO-ESM (Shu et al.) Dynamic Model	FIG. 55.NLD. Atmosphere CASA 1992-2020 Integration Ocean PDP2 DA JE AND TAX system (or CLT 1992-2020 Integration Ware MASNUM-wave model 1992-2020 Integration	433 336 47				Our prediction is based on FID-ESM (the First Institute of Oosanography Earl System Model) with data assimilation. The prediction of September para- Actic extent Z. 2020 64.31(1-6.12) millions quare laterates. 4.31 and 3.3 million square biliometers in the average and one standard deviation of 1.0 execution production. The production of the control	into FIO-ESM1.0 model to get the initial condition for the prediction of the Arctic Sea Ice. There is no sea ice data			
University of Colorado Statistical		433				This projection was made using the plater Probabilistics in Season model and except by low the filter Probabilistics in Season model and except by low the filter (Propagate Association date). The model company to the probability of an association association gravity than 15 More and the season of the season o	While not, a supplication of the control and an accordance of among the control of the control o	NSDC daily see us concentrations NSDC 0051	Norm	
ARCUS Team (Wiggins et al.) Heuristic		4.35 4.35 n/a Range: 3.79 to 6.28 3.79 6.28				The ARCUS team submission is the median of the September monthly average mean sea ice extent values contributed by 11 ARCUS team members	ARCUS staff and board members were invited to provide an informal guess of the 2020 September minimum sea ice extent, s. defined as the September monthly average. Eleven individuals participated.			n/a
NSIDC Hivemind Heuristic		4.36 0.26 million sq km				Uncertainty is based on the standard deviation of the 13 guesses. The approach is heuristic expert elicitation method based on entries to an informal MSDC as ice context. Interested employees submitted their standard deviation of the 13 guesses. The approach is heuristic expert elicitation method based on entries to an informal MSDC as ice context. Interested employees submitted their standard deviation of the 13 guesses. The approach is heuristic expert elicitation method based on entries to an informal MSDC as ice context. Interested employees submitted their standard deviation of the 13 guesses.	The approach is hearistic expert elicitation method based on entries to an informal NSIDC sea ice contest.	Guesses were based on the NASA Team algorithm extents from the NSIDC Sea Ice Index, Version 3 (http://nsidc.org/data/seaice_index/).		
RASM (Maslowski et al.) Dynamic Model	The service of Regional Artic System Model (PASA14.2.), (30) used for this contribution consists of the following compresent: One of the Contribution Contributi	4.372 4.365 0.265 Rangos 3.665 to 4.880 3.68 4.88		0.394	3.927	We used SSSSSS_2_S, Similar is a rever entrose of the limited seen, but it required criminal manufacturing of the Waster Section of creating (Control), and a second criminal manufacturing of the Waster Section of Control (Control) (Manufacturing Control), and a second criminal (Control), and a second crimina	CFSV2 forcing (https://www.ncei.noaa.gov/data/climate-forecast	Self generated from the fully coupled 8ASM hindust timulation dynamically downstealing NCEY CYSS/CYSS/C reanalysis for 3972-2000.	As stated above in 7a).	Sea ice with concentration <-15% and thickness <-20 cm was not included in the estimates of sea ice extent.
Kandrahov, Omior Statistical		40		642		This stabilisal model forecast is based on inverse stabilistic modeling of 1556m2 This stabilisal model forecast is based on inverse stabilistic modeling submissions applied to the regional Arctic See to Edwint (ET) detaunt.	Sections of the control of the contr			This uncertainty corresponds to standard deviation of stochastic ensemble spread.
ECCCCMSP5i2 Dynamic Mobil	Candiffye 2 (legs // links org/10.137/WWW 6-39-0359.1) CanCAME: Component Name/Conscription Institution and Candiffyer Candiffyer Confident Control Confident Confide	4.48 4.41 6.37 99% C.L. (\$79,5.29) 3.75 5.21				The swentering values were concluded from the base connected Ancie; see in setting (SSE), bits connected and cause the 25th of the dates (FO) as produced using predicting (SSE, and the connected ancies are connected as the produced and get to Conduct Season to Interconnect section (S. Let all the dates (FO) as produced using the Conduct Season to Interconnect section (S. Let all the dates (FO) as produced using the Conduct Season to Interconnect section (S. Let all the dates (SSE)) and the dates (SSE) are connected as section (S. Let all the dates (SSE)).	Confidence of the Confidence o	Circlate: COMP F GDPS analysis (assemblane SSM) and SSMS satisfies & CS (see them) (steps://discons/25.3173/N/MVP-35.45. GDM-MINES (COMP GDPS analysis (assemblane SSM) and SSMS satisfies & CS (see them) (belga://discons/25.3153/19.2555) assemblar & CS (see them) (belga://discons/25.3152/19.2555)	CarCAM: SAND statistical model (SIT trends from PROMA's removaling proportional to behave of SC. 1972), and calls are softeness described SC. 2012, in a calls are softeness described SC. 2012, in a call are softeness described SC. 2012, in a call are softeness described SC. 2012, in a call are softeness action, and softeness action, and softeness described SC. 2012, in a call are softeness described SC. 2012, in a call are softeness described SC. 2012, and a call are	This is described in section 6

APPLICATE Benchmark Sociologia		4.53 4.53 0.66 million sq. lam 3.27 - 58 million lam-d (IDIX confidence siminari compresseding 6.1 56 seminari discontinuo dis	1834				The AMPLIAN Association is a little desirable in a product in a process of the control of the co	r b)
UTolgo (Kimura et al.) Statistical		457					Aborthy mean is noted to Signification of 10 a short 4.57 million squares Minimeters. Our edition in Significant will be short 4.57 million square Minimeters of the edition of the short 4.57 million square Minimeters of the edition of the short 4.57 million squares Minimeters of the edition of the short 4.57 million squares Models 2, 100(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(
NMEFC of China (Li and Li) Statistical		459					We predict this Spelmber monthly awange are to extend of affect by tables. It entired in a state of predict september and the state of	
Met Office (Blobby et al.) Openinic Model	Model Tradition() (Invasite of a.), 2013. (Siniar Couples Mode): 23 (Williams et al., 2013) in Sea to compose COLA (Inches on those on the Couples of the Sea to to Configuration (Invasite Couples) (Invasite of the Couples) (Actic 0.3 million legitor; Actic vf 0.6 million sq.lon; Actorici: vf- Actorici: 0.35 million sq.lon 0.7 million sq.lon 1.2	18.2	17.5	18.9		Constituting range is provide as 4,7 2 men detailed an angle of model consensed for some from the foliated seasonal prediction yourse (Model Collader) (Applied Food Food Food Food Food Food Food Fo	calculated from tition over 1993- 5 million sq km; million sq km
Lambor (Your and U) SouthSteal	Lamore linear Markor model for seasonal prediction of Arctic sea to concentration	454	18:57		0:	53	A house Medico model is used to predict sea to concentration in the part Adults been developed to predict sea to concentration in the part Adults or model final been developed to predict sea to concentration in the part Adults or region or the seasonal time scale. (SC) or all pill points in the part Adults region of the seasonal time scale. (SC) or all pill points in the part Adults region of the seasonal time scale. (SC) or all pill points in the part Adults region of the seasonal time scale. (SC) or all pill points in the part Adults region of the seasonal time scale. (SC) or all pill points in the part Adults region of the seasonal time scale. (SC) or all pill points in the part Adults region of the seasonal time scale. (SC) or all pill points in the part Adults region of the part Adults registed of the part adults region of the part Adults region of the	. correction was ic SIC prediction prid point.
NIMEFC (Sechen Zhao) Dynamic Midel	Milgon	482					This is no Collado in a part of the efficial sea for arrived for Chronic Acquired Chronic Chro	
Sun, Noo Statistical	Model Rome Sun, 50% (Sercost, VZ 2000.06	484 484 405.541 409 5.41			0.5	61 4	The forestart model is based on the precisions. It was not precision as few are the precision of the search of the precision of the search of the precision of	
APPLICATE CNRM (Batte et al.) Dynamic Model	Ober NEMO 16 03:— Intituitate from NEMO GENTO no constrained to GLORY512V1. Sea see CELEU Old G2:— Intituitate from NEMO GENTO no constrained to GLORY512V1. Sea see CELEU Old G2:— Intituitate from NEMO GENTO no constrained to GLORY512V1. Sea see CELEU Old G2:— Intituitate from NEMO GENTO no constrained to GLORY512V1. Sea see CELEU Old G2:— Intituitate from NEMO GENTO NEMO (INTITUITATE NEMO (INTITUITAT	455 4.56 0.22 million bin2 4.36 to 5.43 million bin2 4.36 5.43					These estimates as blastical in face of the VDD S-APPCATP proper and based on feed where Parace apparature in the face of the VDD S-APPCATP proper and based on feed where Parace apparature in the face to built, springing the same of the VDD S-APPCATP proper and based on feed where Parace apparature in the face to built, springing the same of the VDD S-APPCATP proper and based on feed where Parace apparature in the face to built springing the same of the VDD S-APPCATP proper and based on feed where Parace apparature in the face to built springing the same of the VDD S-APPCATP proper and based on feed where Parace apparature in the face to built springing the same of the VDD S-APPCATP proper and based on feed where Parace apparature in the face to built springing the volume of the VDD S-APPCATP proper and based on feed where Parace apparature in the face to built springing the VDD S-APPCATP proper and based on feed where Parace apparature in the face to built springing the VDD S-APPCATP proper and based on feed where Parace apparature in the face to built springing the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace apparature in the VDD S-APPCATP proper and based on feed where Parace	orrected for ir in SIC, as well IIE, based on lata for the ding starts.
BEC (Acosto Numero et al.) Operantic Model	Ocean (MMOSIG): Initiational forms in branching and state by PASA foreign fluids and automatic programmer and stating from PASA foreign fluids and assembling temperature and stating from PASA foreign fluids and passing from PASA foreign fluids and passing flui	5 5 Accide CA SMillion (eq. lim); Accide CA S.A. SMillion (eq. lim) Andersitie SA SMillion (eq. lim) SA A.S.A. A.SMillion (eq. lim) SA A.S.A.SMIllion (eq. lim) SA A.S.A.	15.7	14.4	15.7 16.4		This contribution is part of a larger APPICATE (ISA Account) and the surface of the same framework of the same	eraw forecasts, cossing of the operformed.
METNO SPARSE (Wang et al.) Dynamic Model	METROMS model is used, which is based on ROMS (1.6) and CICE(5.1.2). The initial fields are t	5					the service complete forecasts on the contract for contract the contract forecasts and the contract fo	
Navy ESPC (Metager and Barton) Opnimits Model	Navy Earth System Prediction Capitality (ESY) ANY (State Transverses Model (National Or 28 section Control of	62 62 53 to 69 Nove 2 5.5 6.9	21.3		2)	23 3.97	The proported detail: 2002 September means was but centered from the tow control of the proportion of	bability (SIP) and y (IFD) were in the Navy ESPC dowarded to the Data