Supplemental Table 5. Author elicitation responses to TC projection statements

Author:										
S. Camargo	J. Chan	K. Emanuel	CH. Ho	T. Knutson	J. Kossin	Mohapatra	M. Satoh	M. Sugi	K. Walsh	L. Wu
PROJECTIONS FOR	R THE LATE 21°	t CENTURY:								
Global average TC	Precipitation ra	ates of individua	al TCs will increa	ase				·	·	·
Medium-to-high	medium to	high	high	medium-to-	high	medium-to-	high	high	high	medium-to-
confidence, likely	high	confidence,	confidence,	high	confidence,	high	confidence;	confidence;	confidence;	high, likely
	confidence	very likely	very likely	confidence;	very likely	confidence;	very likely	virtually	virtually	
				likely		likely		certain	certain	
Average TC Precipi	tation rates of	individual TCs v	vill increase in t	he North Atlant	tic basin					
Medium-to-high	medium	high	medium-to-	medium	medium,	medium	medium-to-	high	medium	medium, likely
confidence, likely	confidence	confidence,	high	confidence;	likely	confidence;	high	confidence;	confidence;	,,
•		very likely	confidence;	likely		likely	confidence,	virtually	likely	
			likely				likely	certain		
Average TC Precipi	tation rates of	individual TCs v	vill increase in t	he NW Pacific b	oasin					
			medium-to-				medium-to-	high		
		high	high	medium	Medium	medium	high	confidence;	medium	Medium
Medium	medium	confidence,	confidence;	confidence;	confidence;	confidence;	confidence,	virtually	confidence;	confidence,
confidence, likely	confidence	very likely	likely	likely	likely	likely	likely	certain	likely	likely
A TC D	4-4:	in dividual TC	.:!! : :- :- 4	L - NE Difi - L -						
Average TC Precipi				T		T	T	Τ.	Τ.	
Low to medium	low confidence	Medium confidence	Low confidence	Low confidence	medium	medium confidence;	medium confidence	Low confidence	Low confidence	low to medium confidence
confidence	confidence	confidence	confidence	confidence		likely	confidence	confidence	confidence	confidence
						likely				
Average TC Precipi	tation rates of	individual TCs v	vill increase in t	he N. Indian ba	sin					
Low to medium	low	Low to	Low	Low	medium	medium	low	Low to	Low	low to medium
confidence	confidence	medium	confidence	confidence		confidence;	confidence	medium	confidence	confidence
		confidence				likely				
	T	1	1		T					

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Average TC Precip	itation rates of	f individual TCs	will increase in t	the S. Indian ba	sin					
Low confidence	low confidence	Low to medium confidence	Low confidence	Low confidence	Low-to- medium	medium confidence; likely	low confidence	Low confidence	Low confidence	low to mediur confidence
Average TC Precip	itation rates of	individual TCs v	will increase in t	he SW Pacific b	asin					
Medium confidence, likely	medium confidence	medium confidence; likely	medium confidence; likely	medium confidence;	medium,	medium confidence; likely	medium-to- high confidence, likely	high confidence; very likely	medium confidence;	medium, likely
Global average TC	intensity (max									
Medium-to-high confidence, likely	low to medium confidence	medium-to- high confidence; likely	medium-to- high confidence; likely	medium-to- high confidence; likely	medium-to- high confidence; likely	Medium-to- high confidence; likely	high confidence; very likely	high confidence; virtually certain	high confidence; virtually certain	medium-to- high, likely
Average TC intensi		,						vor tuli.	- Contain	(ng.,) t
Medium-to-high confidence, likely	medium to high confidence	medium-to- high confidence; likely	medium confidence; likely	medium confidence	medium-to- high confidence; likely	Medium-to- high confidence; likely	medium confidence, likely	high confidence; very likely	medium confidence	medium-to- high confiden
Average TC intens	ity (maximum	surface winds) v	will increase in N	NW Pacific basir	1					
	low to medium	medium-to- high confidence;	medium confidence;	medium	medium-to- high confidence;	Medium-to- high confidence;	medium confidence,	high confidence; virtualy	medium	medium-to

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. TO: .										
Average TC intensi	ty (maximum s	1	/III increase in S	. Indian basin						
		low-to-			1			1		
	1011140	medium confidence;	medium		medium-to-	Medium	medium	high		
Medium	low to medium	1	confidence;	medium	high confidence;	confidence,	confidence,	confidence;	medium	medium
		about as	1		,	,	,	virtualy		
confidence, likely	confidence	likely as not	likely	confidence	likely	likely	likely	certain	confidence	confidence
	. , .									
Average TC intensi	ty (maximum s			IE Pacific basin						
		medium-to-	low-to-		medium-to-					
	low to	high	medium	Low to	high	Medium	medium	high	Low to	
Medium	medium	confidence;	confidence;	medium	confidence;	confidence,	confidence,	confidence;	medium	medium
confidence, likely	confidence	likely	likely	confidence	likely	likely	likely	very likely	confidence	confidence
Average TC intensi	ty (maximum s	surface winds) v	vill increase in N	I. Indian basin						
			T		T	1		medium-to	T	T
	low to				medium,		medium	high		
	medium	Low	low	Low	more likely	Low	confidence,	confidence;	Low	
Low confidence	confidence	confidence	confidence	confidence	than not	confidence	likely	likely	confidence	low confidence
		.1		.1	.1.	.1				.1
Average TC intensi	tv (maximum s	 surface winds) v	will increase in S	W Pacific basin	 I					-
71001450 10 1111411		T	T	1	medium-to-	1		medium		low confidence
	low to				high		medium	confidence;		low connuence
	medium	Low	low	Low	confidence;	Low	confidence,	as likely as	Low	
Low confidence	confidence	confidence	confidence	Low confidence	likely	confidence	likely	not	confidence	
LOW Commuence	Commuence	Commuence	Connuence	Commuence	пкету	Commuence	пкету	ΠΟΙ	Commuence	
Global TC frequenc	cy (Cat 0-5) will									
		low-to-	low-to-		low-to-	Low-to-				
low-to-medium		medium	medium		medium	medium	medium-	medium-to-		
confidence;	medium to	confidence;	confidence;	low-to-	confidence;	confidence;	high	high	medium	
about as likely as	high	about as	about as	medium	about as	about as	confidence;	confidence;	confidence;	
		likely as not	likely as not	confidence	likely as not		very likely	very likely	very likely	low-to-mediu

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TC frequency (Cat	0 F) in the S)//	Dacific basin wi	II doorooco							
TC frequency (Cat	T The Sw	1	ii decrease		T		1	Γ		
		low-to-			low-to- medium					
	low to	medium confidence;		low-to-	confidence;	Low to	low-medium	medium-to- high		
	medium	about as	low	medium	about as	medium	confidence,	confidence;	medium	low-to medium
Low confidence	confidence	likely as not	confidence	confidence	likely as not	confidence	likely	very likely	confidence	confidence
LOW COMMITTEE	connuence	likely as not	connuence	connuence	likely as flot	connuence	likely	very likely	connuence	connuence
	0.57: 11.6.1									_
TC frequency (Cat	0-5) in the S. ir	low-to-	decrease		low-to-			Ι		<u> </u>
		medium			medium			medium-to-		
	low to	confidence;		low-to-	confidence;	Low to	low-medium	high	low-to-	
		about as	low	medium	about as	medium	confidence,	confidence;	medium	low-to-mediun
							LUITIUETICE.	LUIIIUEIILE.	I IIICUIUIII	10W-to-mediai
Low confidence	medium confidence		_				,	-		confidence
Low confidence	confidence	likely as not	confidence	confidence	likely as not	confidence	likely	very likely	confidence	confidence
	confidence	likely as not	confidence	confidence	likely as not	confidence	,	-		confidence
	confidence	likely as not	confidence	confidence	likely as not	confidence	,	-		confidence
Latitude of at whi	confidence	likely as not	confidence tensity in the w	confidence estern North Pa	likely as not	confidence e poleward	likely	very likely	confidence	
Latitude of at whi	confidence ch TCs reach th	likely as not eir maximum in medium-to-	tensity in the w	estern North Pa	likely as not acific will migrat medium to	e poleward Medium	likely	very likely medium	confidence	low-to-mediun
Latitude of at whi	confidence	eir maximum in medium-to-high	tensity in the w	estern North Pa low-to- medium	likely as not	confidence e poleward	medium confidence,	very likely	confidence low-to-medium	
Latitude of at whi	confidence ch TCs reach th	eir maximum in medium-to-high confidence,	tensity in the w medium-to-high confidence,	estern North Pa	likely as not acific will migrat medium to	e poleward Medium	likely	very likely medium	confidence	low-to-mediun
Latitude of at whi	confidence ch TCs reach th	eir maximum in medium-to-high	tensity in the w	estern North Pa low-to- medium	likely as not acific will migrat medium to	e poleward Medium	medium confidence,	very likely medium	confidence low-to-medium	low-to-mediur
Latitude of at whi Low-to-medium confidence	confidence ch TCs reach th low confidence	eir maximum in medium-to- high confidence, likely	confidence tensity in the w medium-to- high confidence, likely	estern North Pa low-to- medium	likely as not acific will migrat medium to	e poleward Medium	medium confidence,	very likely medium	confidence low-to-medium	low-to-mediur
Latitude of at whi Low-to-medium confidence	confidence ch TCs reach th low confidence	eir maximum in medium-to- high confidence, likely	confidence tensity in the w medium-to- high confidence, likely	estern North Pa low-to- medium	likely as not acific will migrat medium to	e poleward Medium	medium confidence,	very likely medium	confidence low-to-medium	low-to-mediur
Latitude of at whi Low-to-medium confidence	confidence ch TCs reach th low confidence	eir maximum in medium-to- high confidence, likely	confidence tensity in the w medium-to- high confidence, likely	estern North Pa low-to- medium confidence	likely as not acific will migrat medium to high, likely Medium-to	e poleward Medium	medium confidence, likely	very likely medium	confidence low-to-medium	low-to-mediur
Low confidence Latitude of at which the confidence Global frequency	confidence ch TCs reach th low confidence	eir maximum in medium-to- high confidence, likely	tensity in the w medium-to- high confidence, likely	estern North Pa low-to- medium	likely as not acific will migrat medium to high, likely	e poleward Medium	medium confidence, likely medium-high	very likely medium	confidence low-to-medium	low-to-mediur
Latitude of at whi Low-to-medium confidence Global frequency Medium-to high	confidence ch TCs reach th low confidence	eir maximum in medium-to-high confidence, likely	tensity in the w medium-to- high confidence, likely ll increase medium-to-	estern North Pa low-to- medium confidence	likely as not acific will migrat medium to high, likely Medium-to	e poleward Medium confidence	medium confidence, likely	very likely medium	confidence low-to-medium	low-to-mediur
Latitude of at whi Low-to-medium confidence Global frequency	confidence ch TCs reach th low confidence of very intense	eir maximum in medium-to-high confidence, likely (Cat 4-5) TCs wi	tensity in the w medium-to- high confidence, likely Ill increase medium-to- high	confidence estern North Pa low-to- medium confidence	medium to high, likely Medium-to high	e poleward Medium confidence	medium confidence, likely medium-high	medium confidence	low-to-medium confidence	low-to-mediur confidence
Latitude of at whi Low-to-medium confidence Global frequency Medium-to high	confidence ch TCs reach th low confidence of very intense medium	eir maximum in medium-to-high confidence, likely (Cat 4-5) TCs wi	confidence tensity in the w medium-to- high confidence, likely Ill increase medium-to- high confidence,	confidence estern North Pa low-to- medium confidence low-to- medium	medium to high, likely Medium-to high confidence,	e poleward Medium confidence Low to medium	medium confidence, likely medium-high confidence;	medium confidence	low-to-medium confidence	low-to-mediur confidence
Latitude of at whi Low-to-medium confidence	confidence ch TCs reach th low confidence of very intense medium	eir maximum in medium-to-high confidence, likely (Cat 4-5) TCs wi	confidence tensity in the w medium-to- high confidence, likely Ill increase medium-to- high confidence,	confidence estern North Pa low-to- medium confidence low-to- medium	medium to high, likely Medium-to high confidence,	e poleward Medium confidence Low to medium	medium confidence, likely medium-high confidence;	medium confidence	low-to-medium confidence	low-to-mediur
Latitude of at whi Low-to-medium confidence Global frequency Medium-to high	confidence ch TCs reach th low confidence of very intense medium	eir maximum in medium-to-high confidence, likely (Cat 4-5) TCs wi	confidence tensity in the w medium-to- high confidence, likely Ill increase medium-to- high confidence,	confidence estern North Pa low-to- medium confidence low-to- medium	medium to high, likely Medium-to high confidence,	e poleward Medium confidence Low to medium	medium confidence, likely medium-high confidence;	medium confidence	low-to-medium confidence	low-to-mediur confidence

Frequency of very intense (Cat 4-5) TCs will increase in S. Indian basin	Author:										
low-to-medium confidence; low-to-medium confidence likely as not confidence confidence confidence likely as not confidence likely as not confidence confidence confidence likely as not confidence likely as not confidence confidence confidence likely as not confidence; low confidence; low confidence likely as not low confidence; low confidence likely as not low confidence; low confidence likely as not low confidence; low co	S. Camargo	J. Chan	K. Emanuel	CH. Ho	T. Knutson	J. Kossin	Mohapatra	M. Satoh	M. Sugi	K. Walsh	L. Wu
low-to-medium confidence; low-to-medium confidence likely as not confidence confidence confidence likely as not confidence likely as not confidence confidence confidence likely as not confidence likely as not confidence confidence confidence likely as not confidence; low confidence; low confidence likely as not low confidence; low confidence likely as not low confidence; low confidence likely as not low confidence; low co											
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Low-to-medium confidence low to medium confidence low-to-medium confidence likely as not low to medium confidence likely as not li			low-to-								
Low-to-medium confidence confidence likely as not confidence confidence confidence confidence confidence likely as not confidence confidence confidence confidence likely as not confidence confidence likely as not confidence low confidence confidence likely as not confidence low confidence confide			medium			Medium-to		low	low		
confidence likely as not confidence likely confidence likely confidence likely as not likely as not confidence low confidence low confidence confidence confidence confidence confidence confidence likely as not confidence confidence low confidence co		low to	confidence;	low-to-	Low to	high		confidence;	confidence;		
Global proportion of Cat 4-5 TCs will increase (ratio: Cat 4-5 frequency/Cat 0-5 frequency) Medium to Medium	Low-to-medium	medium	about as	medium	medium	confidence,	Low	about as	about as	low	
Global proportion of Cat 4-5 TCs will increase (ratio: Cat 4-5 frequency/Cat 0-5 frequency) Confidence: Confi	confidence	confidence	likely as not	confidence	confidence	likely	confidence	likely as not	likely as not	confidence	low confidence
medium to high medium to confidence; medium-to-high medium to high confidence; confidence, co		•	<u>, </u>	•		,	•	, , ,	· · ·	•	
medium to high medium to onfidence; medium-to-high medium to confidence; medium to high confidence; confidence, confiden	Global proportion	of Cat 4-5 TCs	will increase (ra	tio: Cat 4-5 fred	nuency/Cat 0-5	frequency)					
medium to high high medium to high m	Closal propertion	1 5 1 6 5	Will interease (ra				Madium to	modium to	high	modium to	
medium to high medium to confidence; confidence, confi			hiah						_		high
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Confidence, likely night very likely likely likely likely very likely very likely certain very likely likely	_			'	'		,	1		<i>'</i>	•
	confidence, likely	nign	very likely	пкету	пкету	пкету	пкету	very likely	certain	very likely	пкету

Color Legend: Responses for global metrics are color shaded, where red boxes indicate high confidence in a TC risk becoming greater, orange for medium-to-high, purple for medium, blue for medium to low confidence and green for low confidence. For global TC frequency these are reversed to that green indicates highest confidence in fewer TCs (high confidence in a relative lowering of TC frequency risk), while red indicates lowest confidence in fewer TCs (that TC frequency risk will decrease) and so forth.