

From: Chris Parker chris@mwxc.com
Subject: Wx Update, US E Coast & W Atlantic, Mon28, 10am
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To: davelochner@mac.com

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Wx Update, US E Coast & W Atlantic, Mon28, 10am

ASCAT 10PM Sun27: N of Charleston NW@8-11k; S of Wilmington NW@9-14k;
CpLookout NNW@15-18k; CpHatteras NNW@23-25k

BUOYS: FryPanShl NE@12g16k; 4'/5secNE / Charleston NE@3-6g10k;
2'/5secN / Savannah N@9-12g14k; 1'/3secNNW

IMAGERY: Stray showers in C SC. Otherwise, mostly dry along the SE US coast.

SYNOPSIS:

RIDGE builds across N FL and GA Today, which settles winds S of NC. Wind remains L&V Today off SC & GA coast whereas winds stay elevated off NE NC before increasing significantly late this evening as another FRONT moves S off NC Tonight. There are narrow boundaries between areas with different wind speeds due to FRONT stalling along the SE US coast most of Tue29.

Along GA, winds likely stay the mildest in areas S of FRONT through dawn Tue29 but build from NNE<E-SSE along the coast Tue29 morning-Wed30. HI moving off the NC coast merges with RIDGE N of Bahamas Tue29 night as they shift E into the Atlantic. SE-SW winds rebuild as HI exits Wed30-Thu31. Increasing southerly flow feeds moisture into the next approaching FRONT which increases squalls by Thu31 afternoon-evening. The strong southerly flow remains in place until the next significant FRONT exits Thu31 night, bringing GALEs and numerous squalls Thu31 evening into Fri1 morning (strongest winds likely Thu31 night off NC). Behind the FRONT, drier air returns with variable winds from many directions Fri1 ahead of LO/FRONT that approaches or moves across the region with another round of squalls and nasty weather Sat2 into Sun3.

OUTLOOK:

Details with LO/FRONT are highly uncertain Sat2-Mon4 as LO/FRONT is aided by a significant Upper level TROF. Once this feature exits we might see a brief break or return to mild settled winds about Tue5-Thu7 before the next big Upper TROF/FRONT moves into the E US about Fri8-Sun10. The active spring pattern appears to continue until this Upper TROF exits about Sun10 but then the Upper level pattern seems to suggest much more RIDGING and less significant FRONTS/LOs Mon11 onward.

SUGGEST (Assume N bound travel):

StMarys-Charleston: Mostly motoring or motor-sailing Today due to light winds ahead of FRONT. Then areas along GA could remain suitable overnight but SC is adverse or inclement after midnight. Remains adverse or inclement until Tue29 evening; then brief sailing window Tue29 night-Wed30; Inclement Wed30 night-Thu31; another brief window

for sailing or motoring Fri1.

Charleston-CpLookout: Motoring<motor-sailing possible through early this afternoon but adverse winds likely this evening into early Tue29. Inclement conditions likely Tue29 morning with motoring possible Tue29 afternoon-evening. Motoring<moderate sailing Wed30 before becoming inclement Wed30 evening, with conditions remaining inclement until Fri1.

PRECIP:

StMarys-Charleston: Mostly dry Today-Thu31 morning; Scattered-Numerous to 40-50k Thu31 afternoon-night; Stray +5k or dry Fri1.

Charleston-CpLookout: Mostly dry Today-Wed30; Stray-Isolated +5k most of Thu31; Scattered +35-45k Thu31 evening-Fri1 morning; Mostly dry Fri1 afternoon-night.

WIND (For wind in squalls see PRECIP):

StMarys-Charleston: NNW@10-18g21k<L&V/3-6'<2-3' Today; Variable mainly S-W<N-NE to 20g25k/3-6' Tonight-Tue29 morning; NE@12-20<E-SE up to 15k/3-6'<2-4' Tue29 afternoon-evening; E-SE<SE@10-16g20k/2-4' Tue29 night; SSE-S@12-20g24k<16-24g30k/3-6'<5-8' Wed30; S-SSW@21-30g40k/6-10' Thu31; SW@19-27g35k<Uncertain mainly SW-NW under 25k/6-9'<4-8' Thu31 night-Fri1.

Charleston-CpLookout: N@10-18g21k<Variable mainly SW-W@15g20k/3-6<2-4' Today; Variable SSW-WSW<N-NNE@16-26g35k/5-8' Tonight; N-NE@15-22g25k<Variable under 12k/5-7'<2-3' Tue29; Variable under 12k<SE@8-16g20k/1-3<2-4' Tue29 night; SE@8-16<SE-S@17-25g32k/2-4'<5-8' Wed30; S@23-32g40/6-12' Thu31; S<SW-WNW@25-35g50k/8-15' Thu31 night; Uncertain mainly SW-WNW@15-25g30k/8-15'<6-9' Fri1.

Laura Kee - Laura@mwxc.com