

**AVALIAÇÃO QUALITATIVA DO DESEMPENHO DO
MODELO ETA OPERACIONAL COM RESOLUCAO
DE 20KM PARA DOIS CASOS DE EVENTOS
SEVEROS SOBRE A CIDADE DE SÃO SAULO (SP)**

Grupo de Previsão do Tempo – CPTEC/INPE

INTRODUCAO

O modelo ETA roda operacionalmente no Centro de Previsão de Tempo e Estudos Climáticos (CPTEC) e é utilizado como ferramenta de referência pelo Grupo de Previsão de Tempo (GPT). Atualmente tem resolução horizontal de 20km.

Este trabalho teve como objetivo avaliar qualitativamente o desempenho do Modelo Regional ETA sobre a atuação de dois casos de eventos severos que provocaram grande impacto na sociedade.


DADOS

Foram utilizados dados de saída do modelo para uma análise qualitativa tais como: Pressão Reduzida ao Nivel Medio do Mar, Temperatura etc...

E também para a elaboração de campos combinados.

Imagens de Satélite

Acumulado de descargas elétricas.

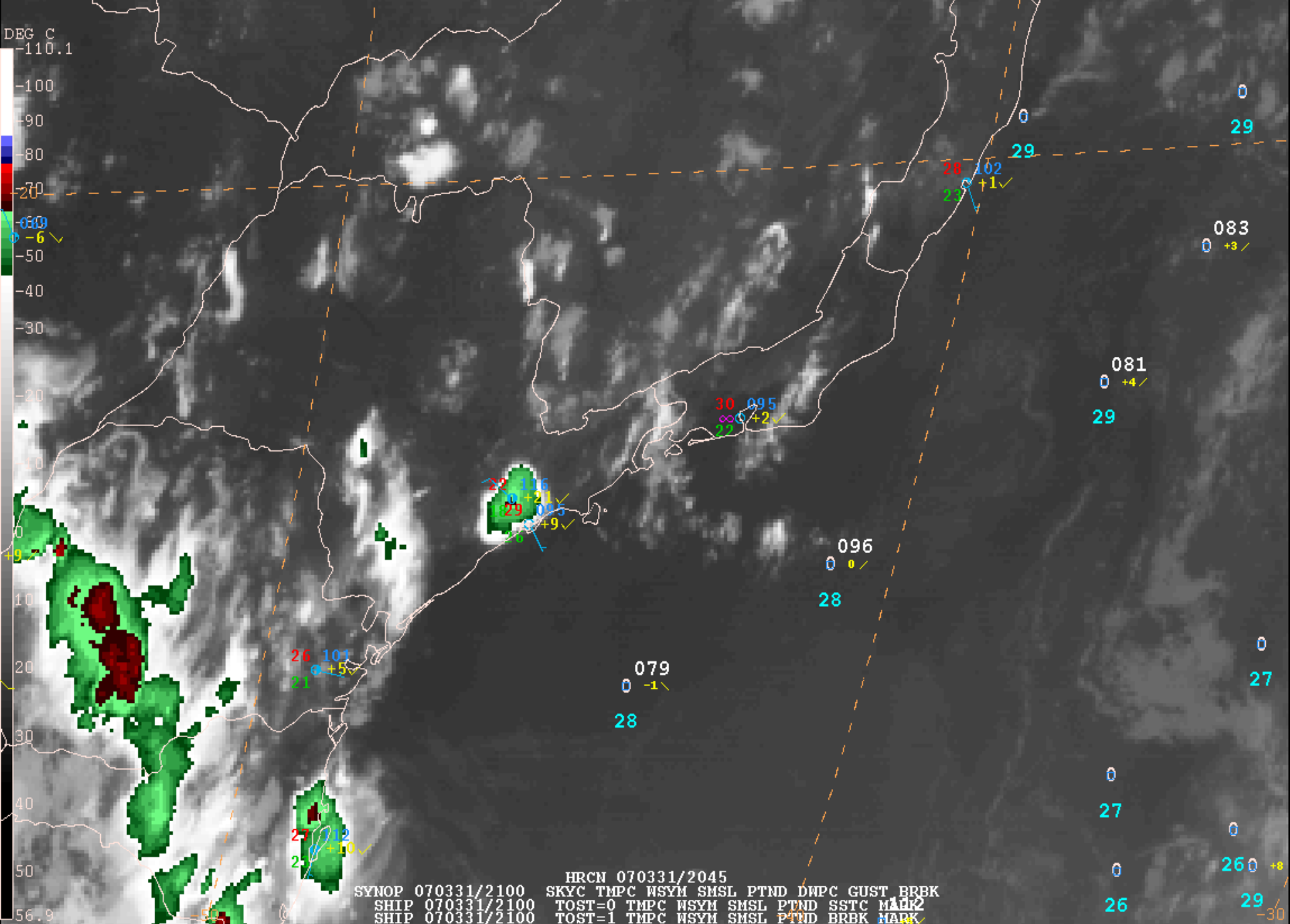


ANÁLISE E DISCUSSÃO DOS RESULTADOS



PRIMEIRO EVENTO

31/03/2007



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 -110.1
 -100
 -90
 -80
 -70
 -60
 -50
 -40
 -30
 -20
 -10
 0
 10
 20
 30
 40
 50
 56.9

HRCN 070331/2045
 SYNOP 070331/2100 SKYC TMPC WSYM SMSL PTND DWPC GUST BRBK
 SHIP 070331/2100 TOST=0 TMPC WSYM SMSL PTND SSTC MARK
 SHIP 070331/2100 TOST=1 TMPC WSYM SMSL PTND BRBK MARK
 METAR 070331/2040 SKYC TMPC WSYM SMSL PTND DWPC RELH GUST BRBK
 070331/2045 GOES12 IR4

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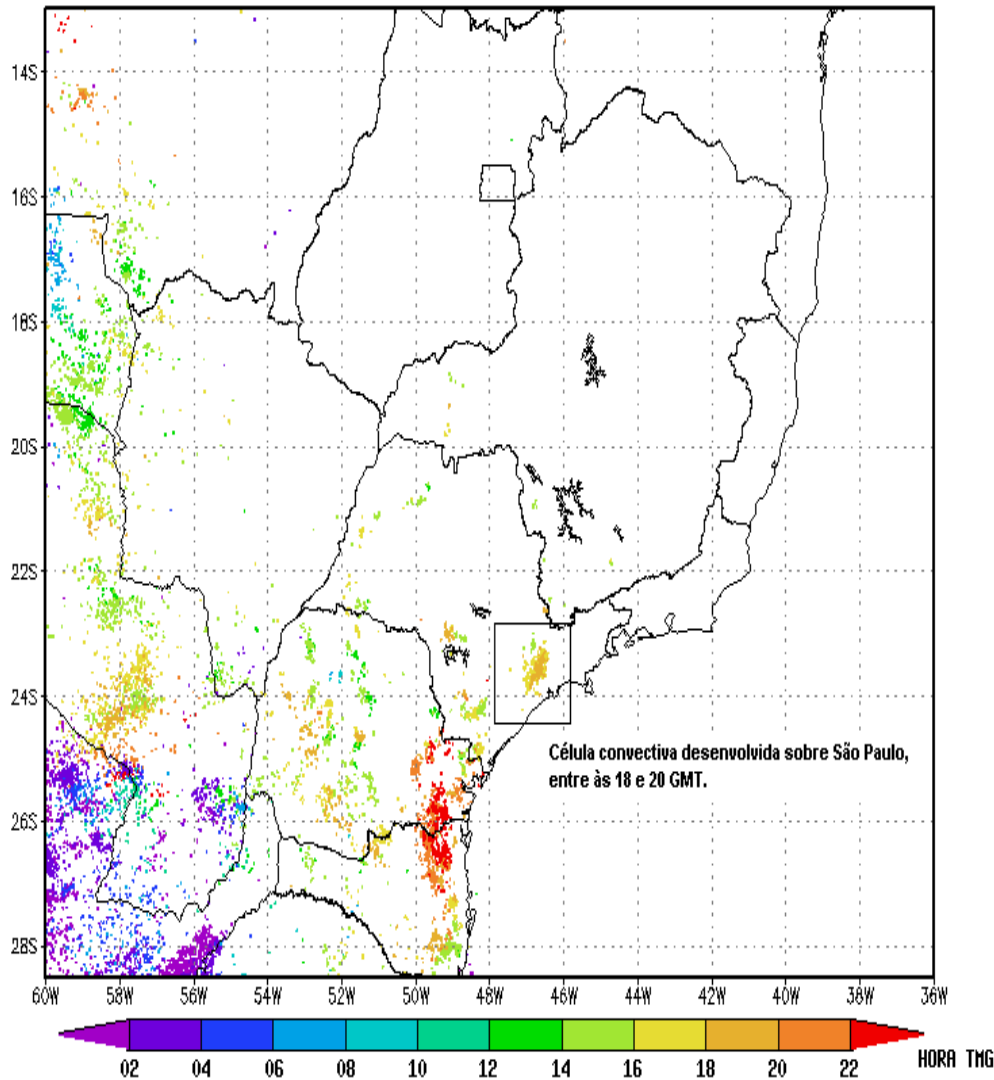
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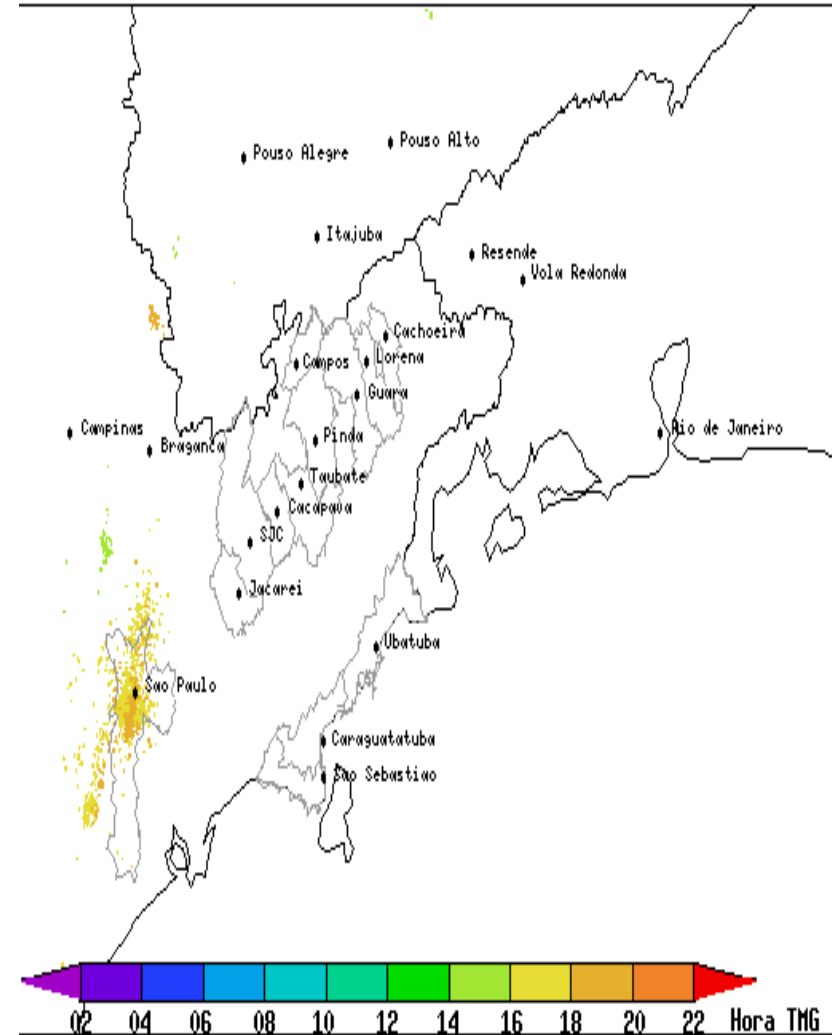
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ACUMULADO DE DESCARGAS ELÉTRICAS

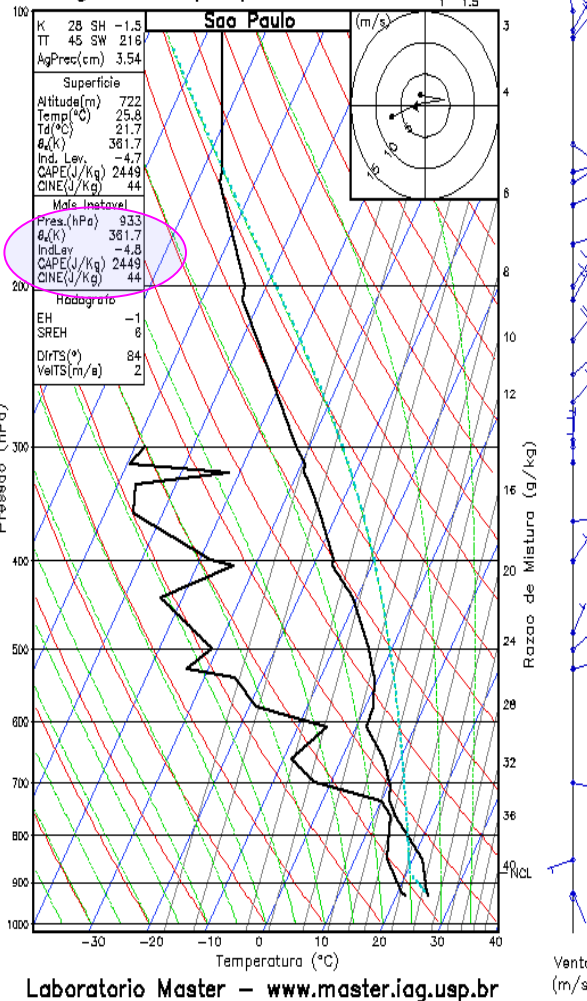
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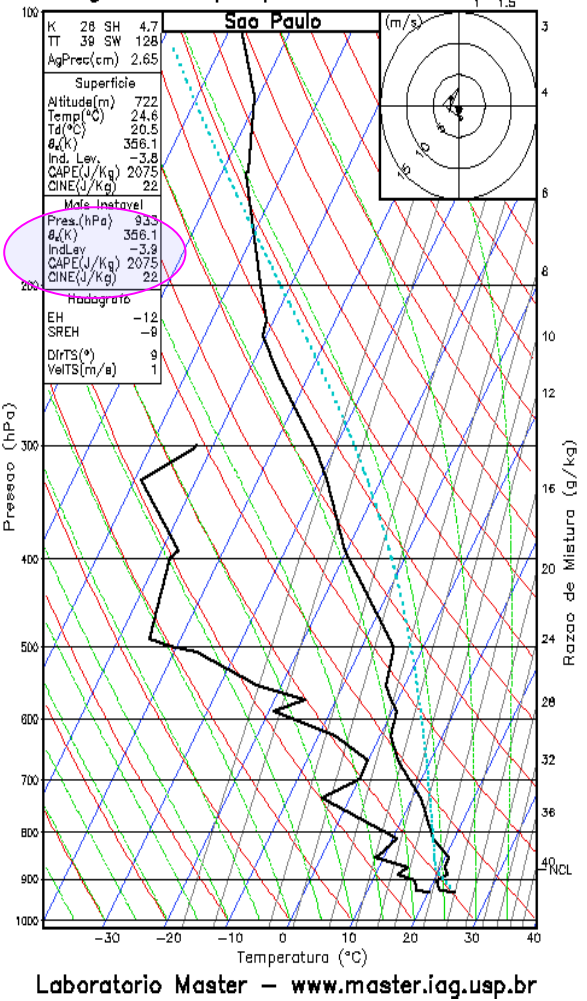
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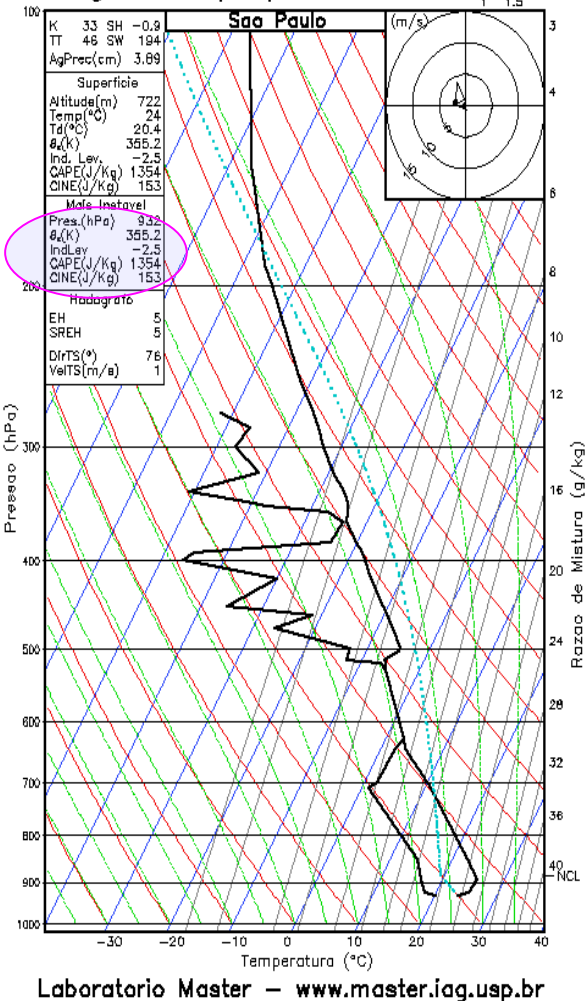
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Sondagem 2007/03/31 12Z estacao:83779



Sondagem 2007/04/01 00Z estacao:83779



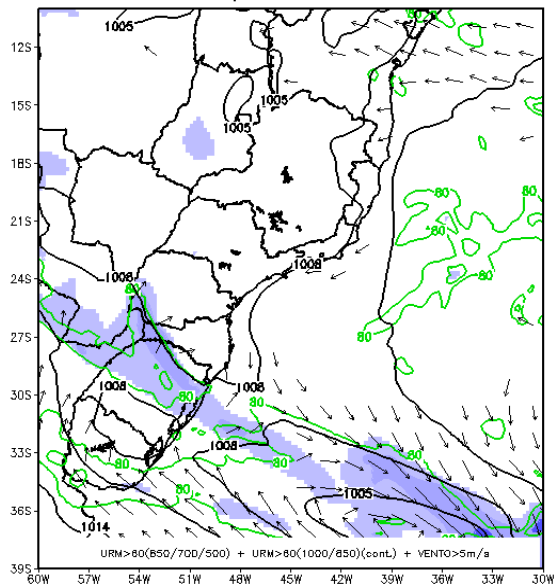
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B) Próximo ao evento

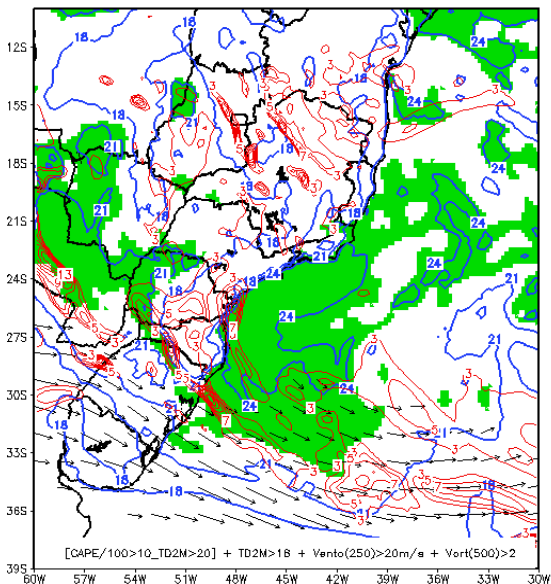
C) Depois

Previsão Automatica para 15h 31/Mar/2007 sabado

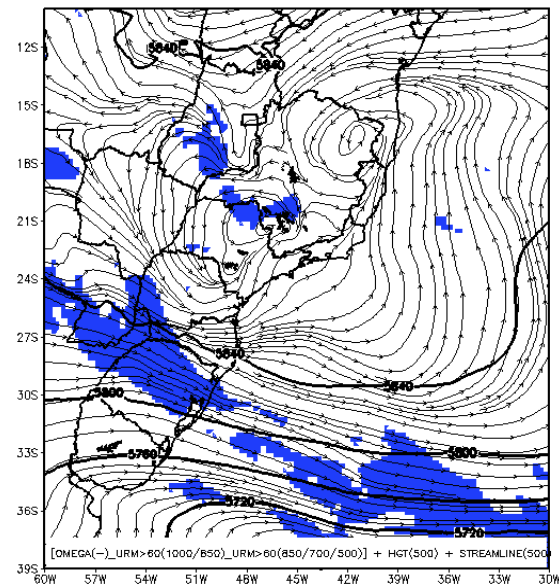
UMIDADE E/OU NEBULOSIDADE



PANCADAS POR CALOR E UMIDADE

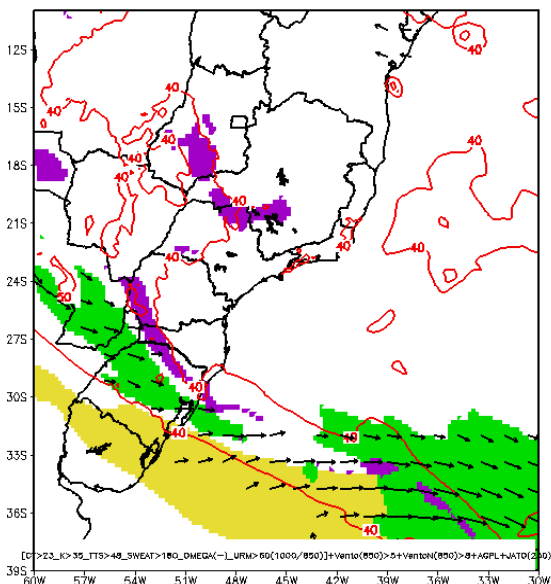
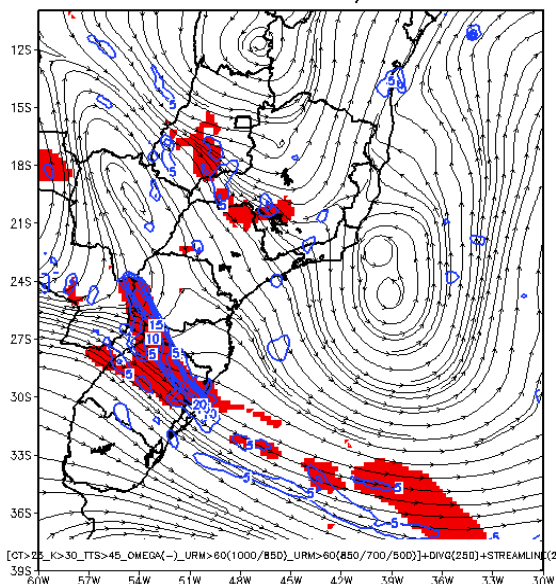


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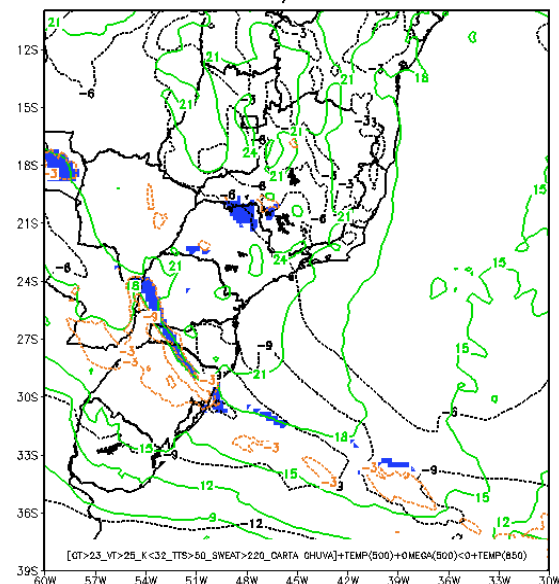


15h 31/Mar/2007 sabado
MORTAL

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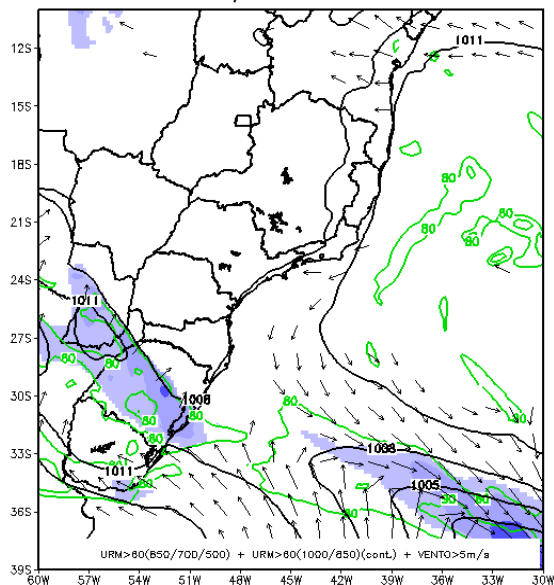


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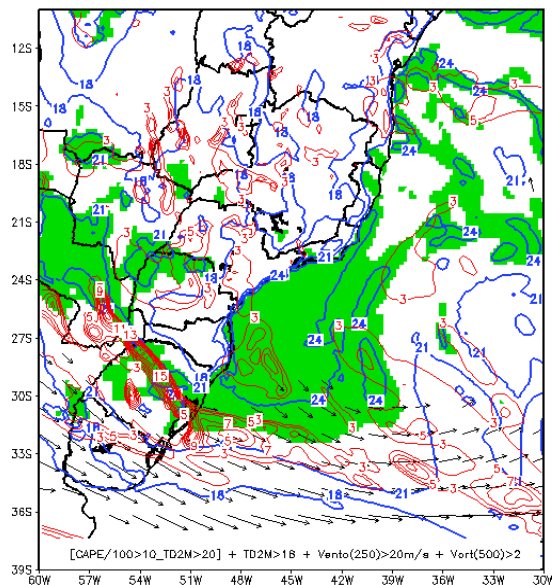


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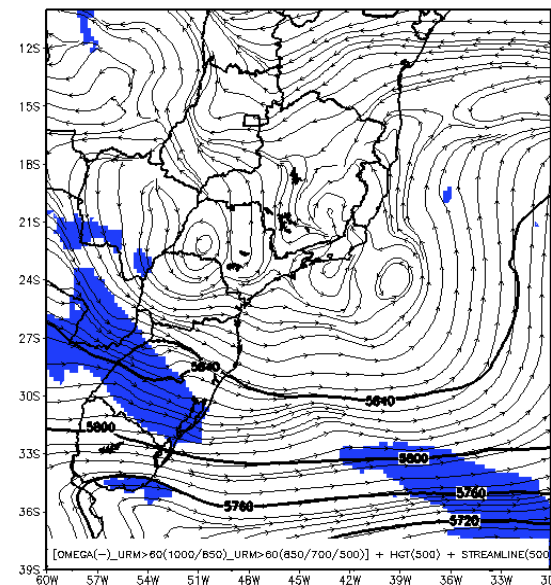
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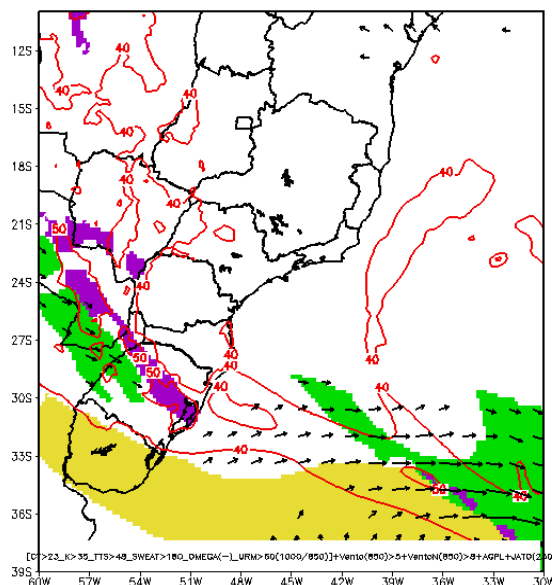
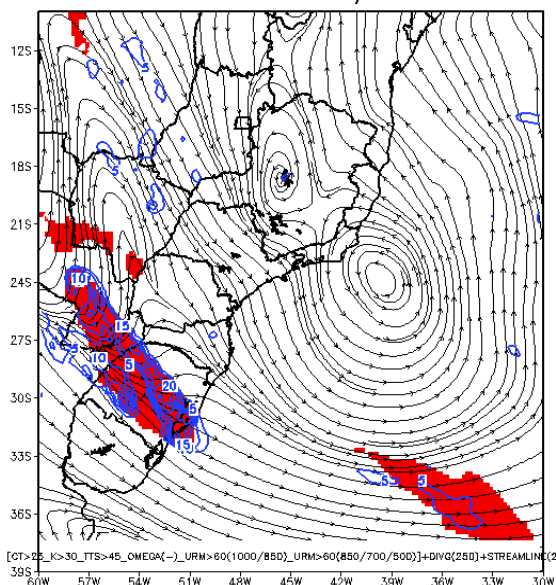


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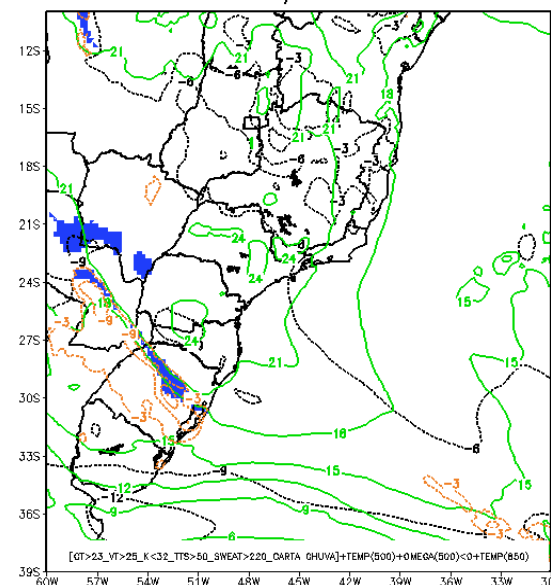


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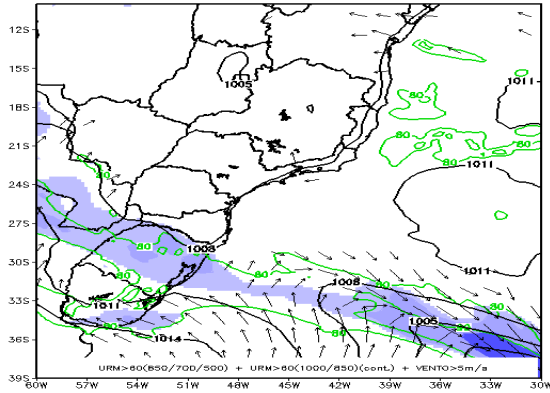


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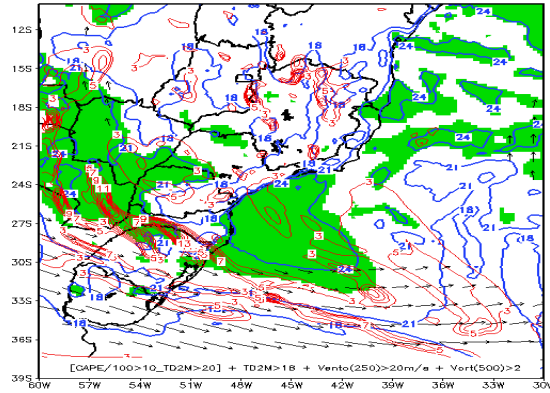


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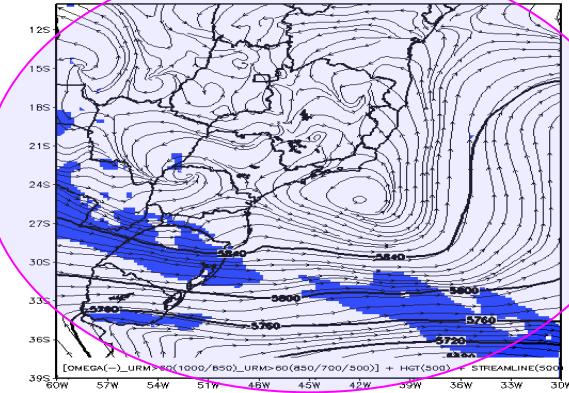
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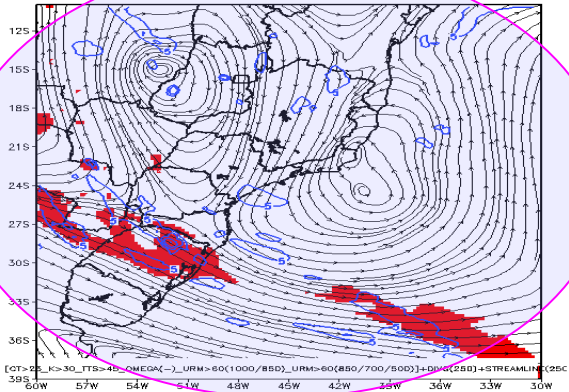
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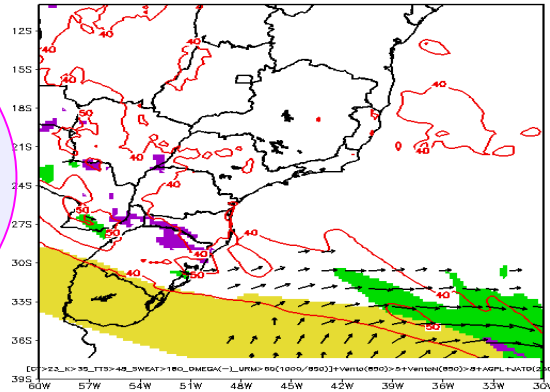
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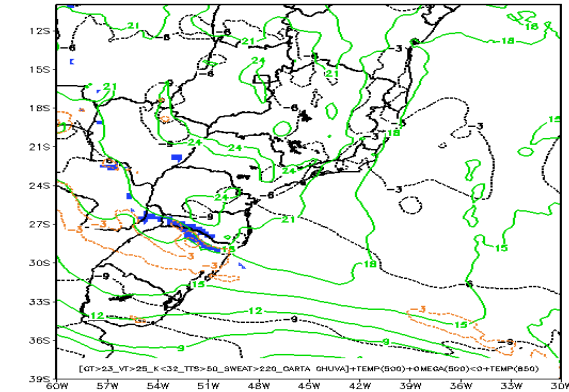
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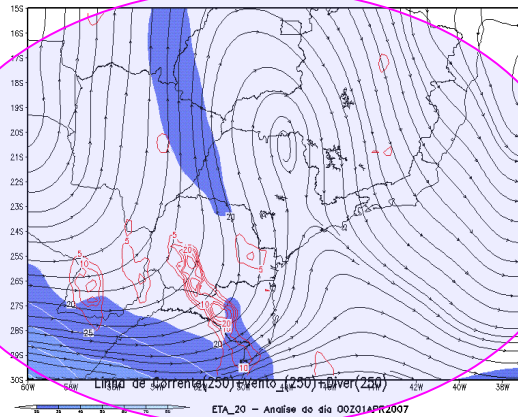
15h 31/Mar/2007 sabado MORTAL



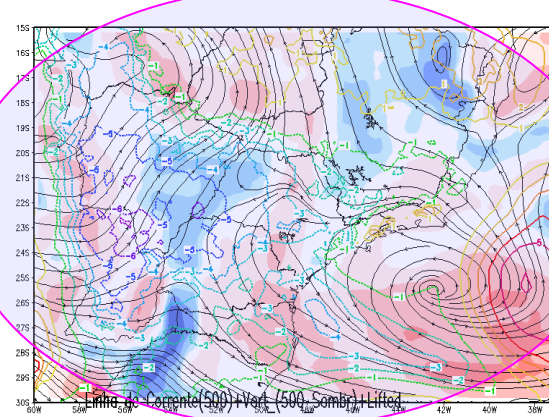
GRANIZERO E/OU MORTIFERO



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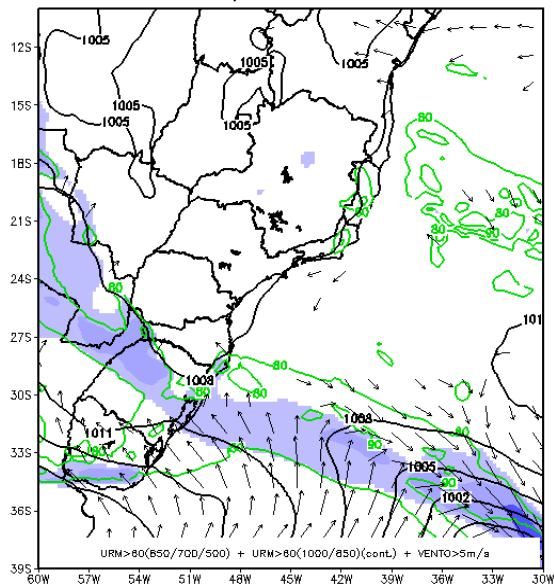
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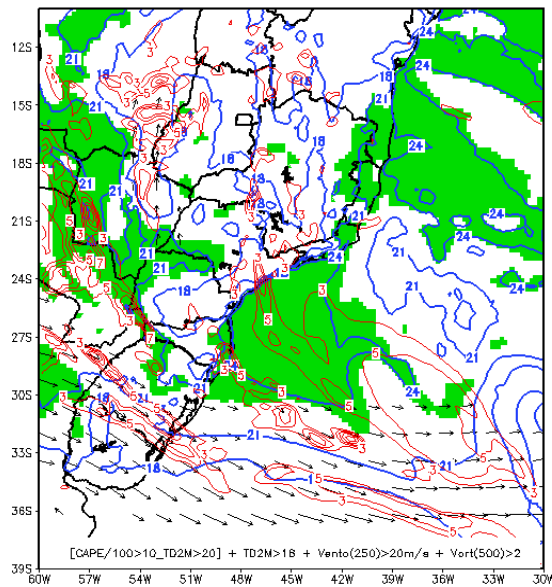
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Previsão Automatica para 15h 31/Mar/2007 sabado

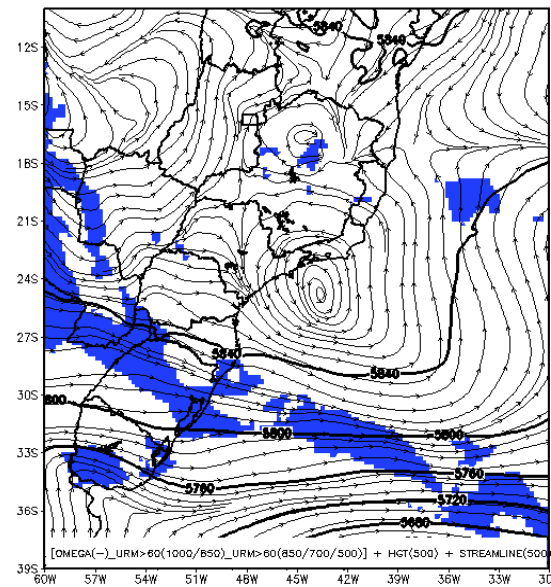
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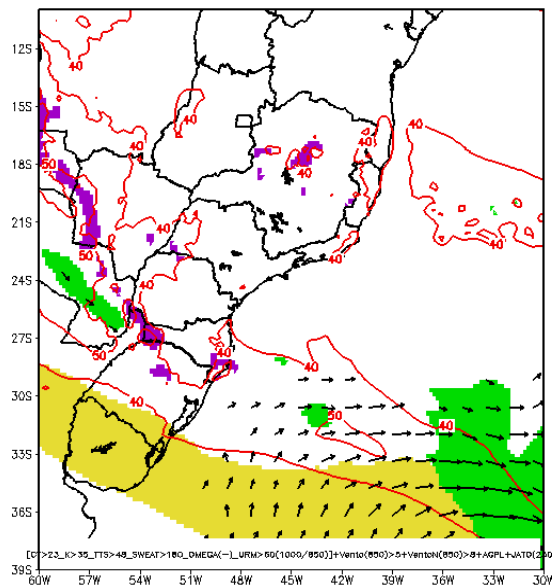
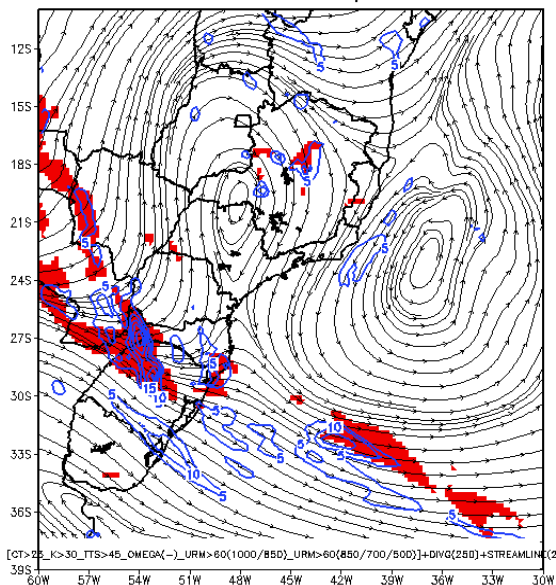


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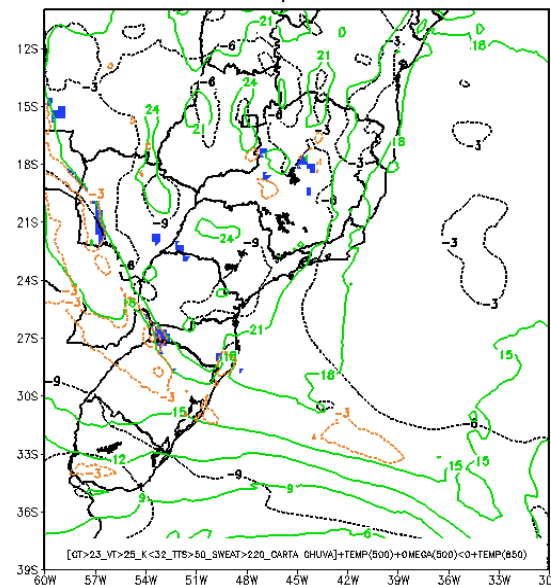


15h 31/Mar/2007 sabado
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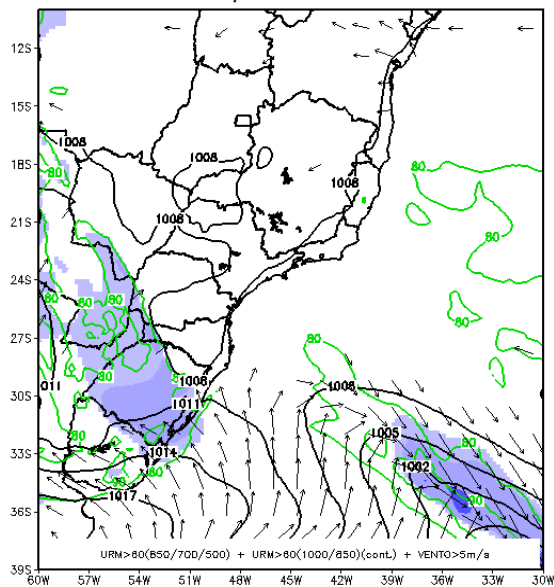


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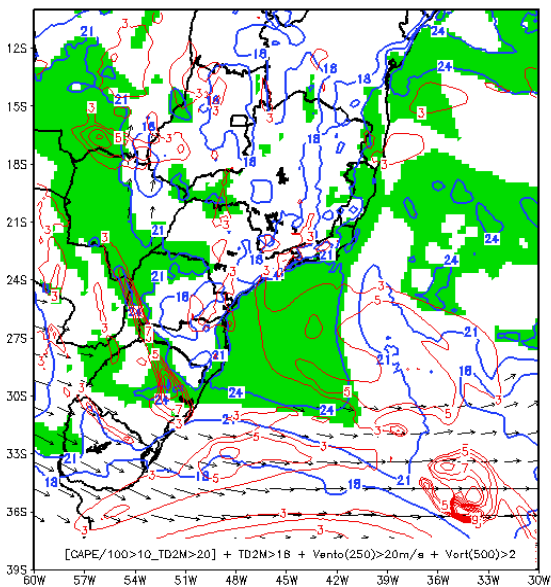


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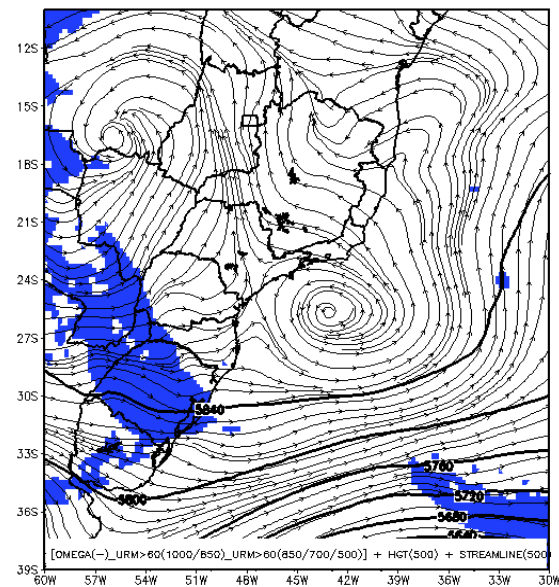
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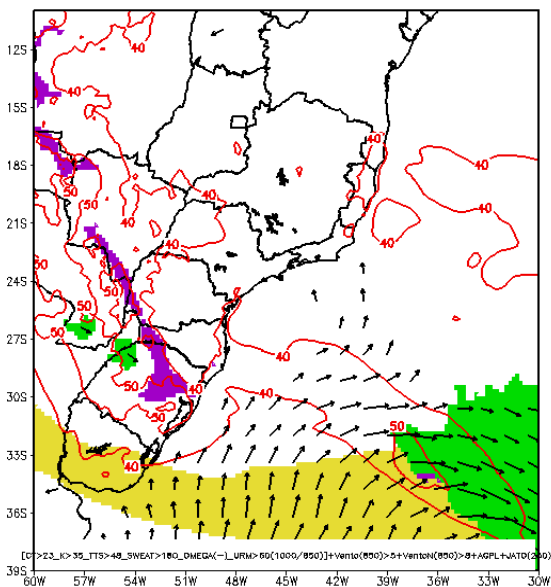
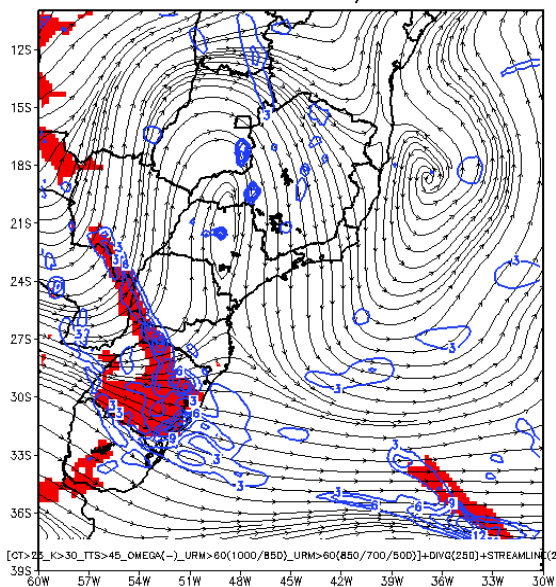


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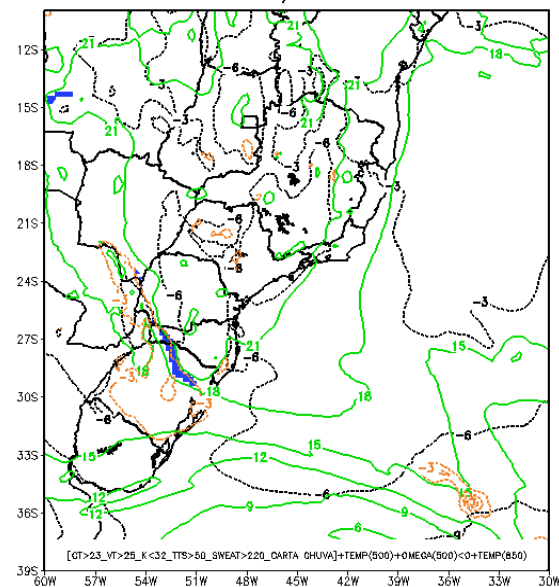


15h 31/Mar/2007 sabado
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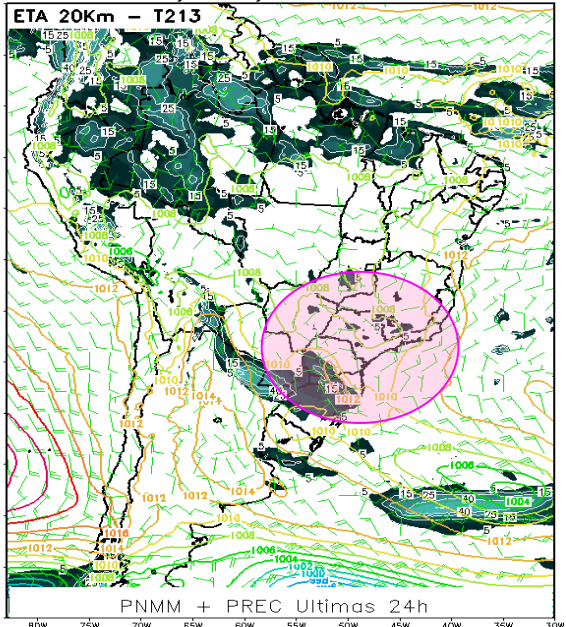
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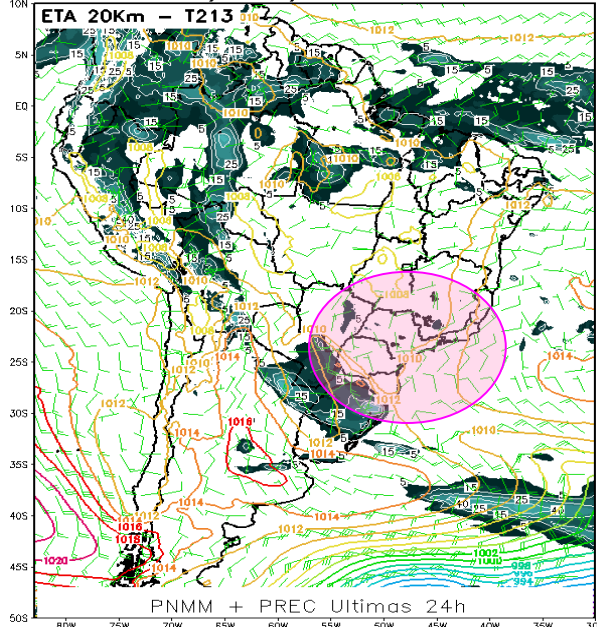
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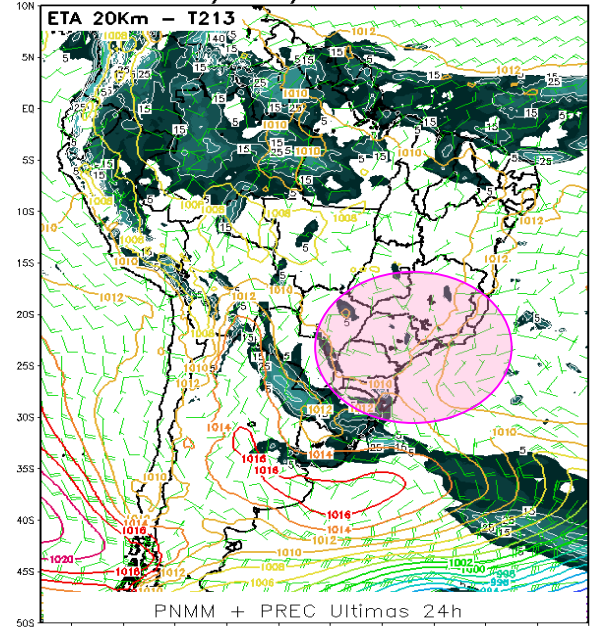
21h 31/Mar/2007 sabado



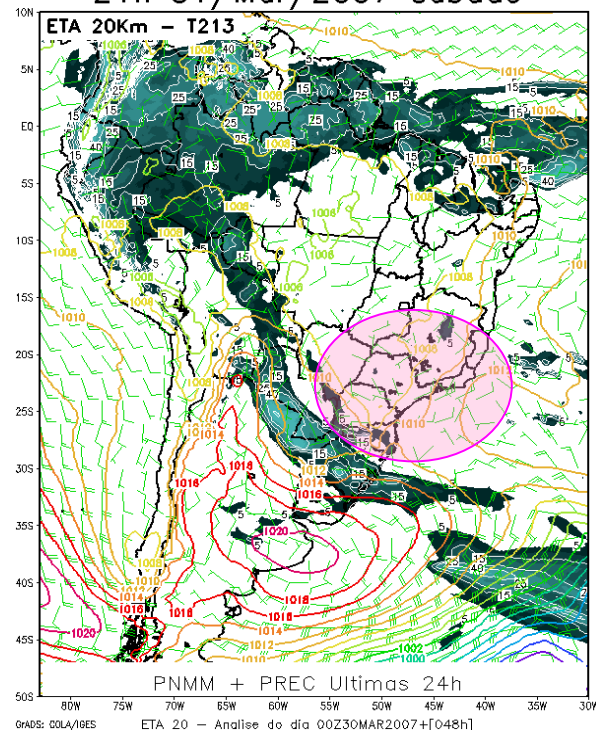
21h 31/Mar/2007 sabado



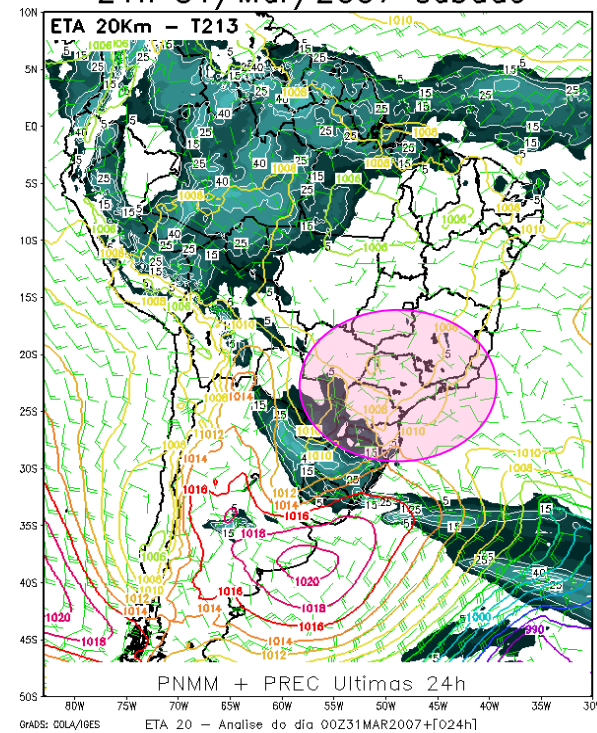
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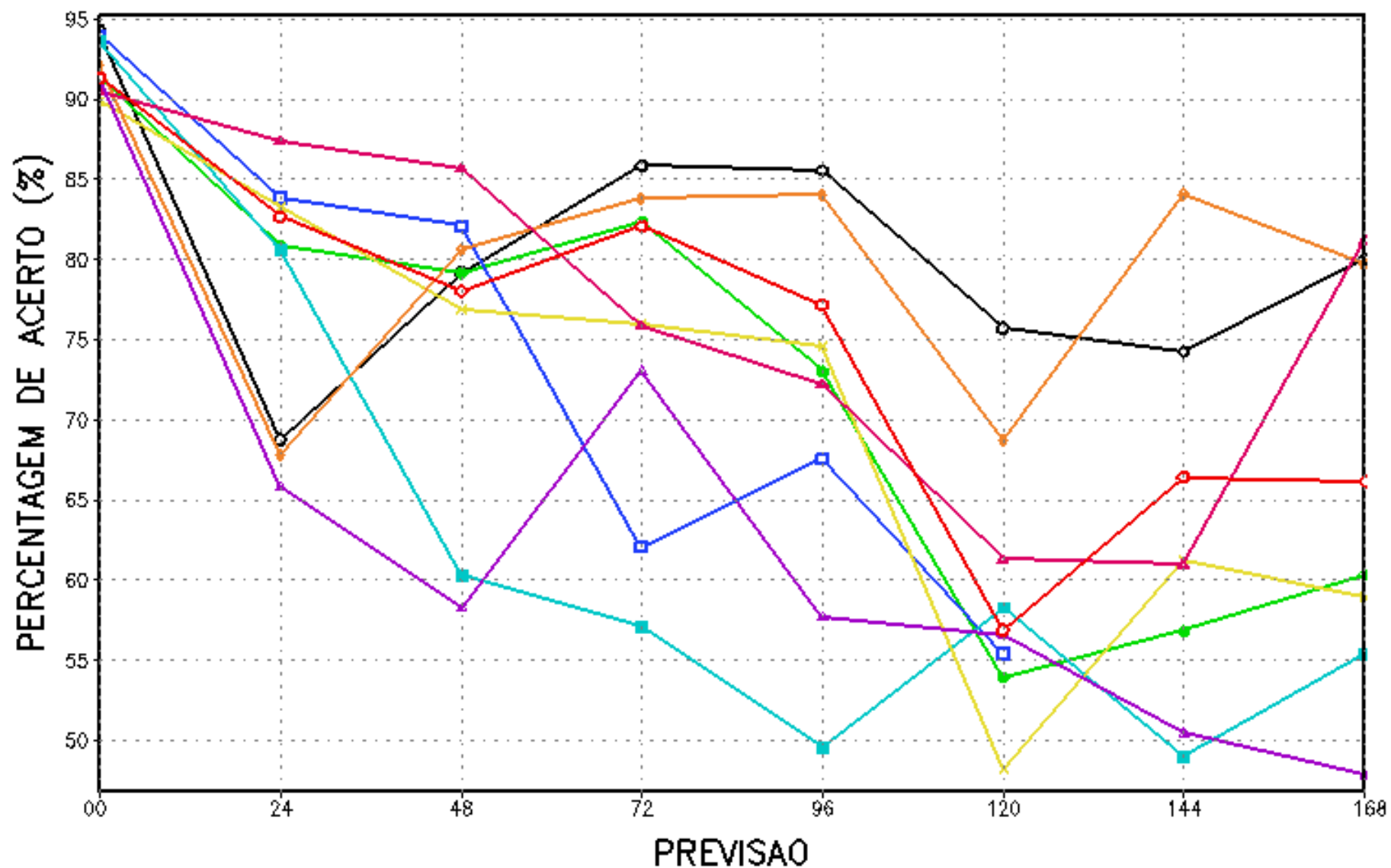
21h 31/Mar/2007 sabado



21h 31/Mar/2007 sabado



Avaliacao da Pressao dos Ultimos 7 dias

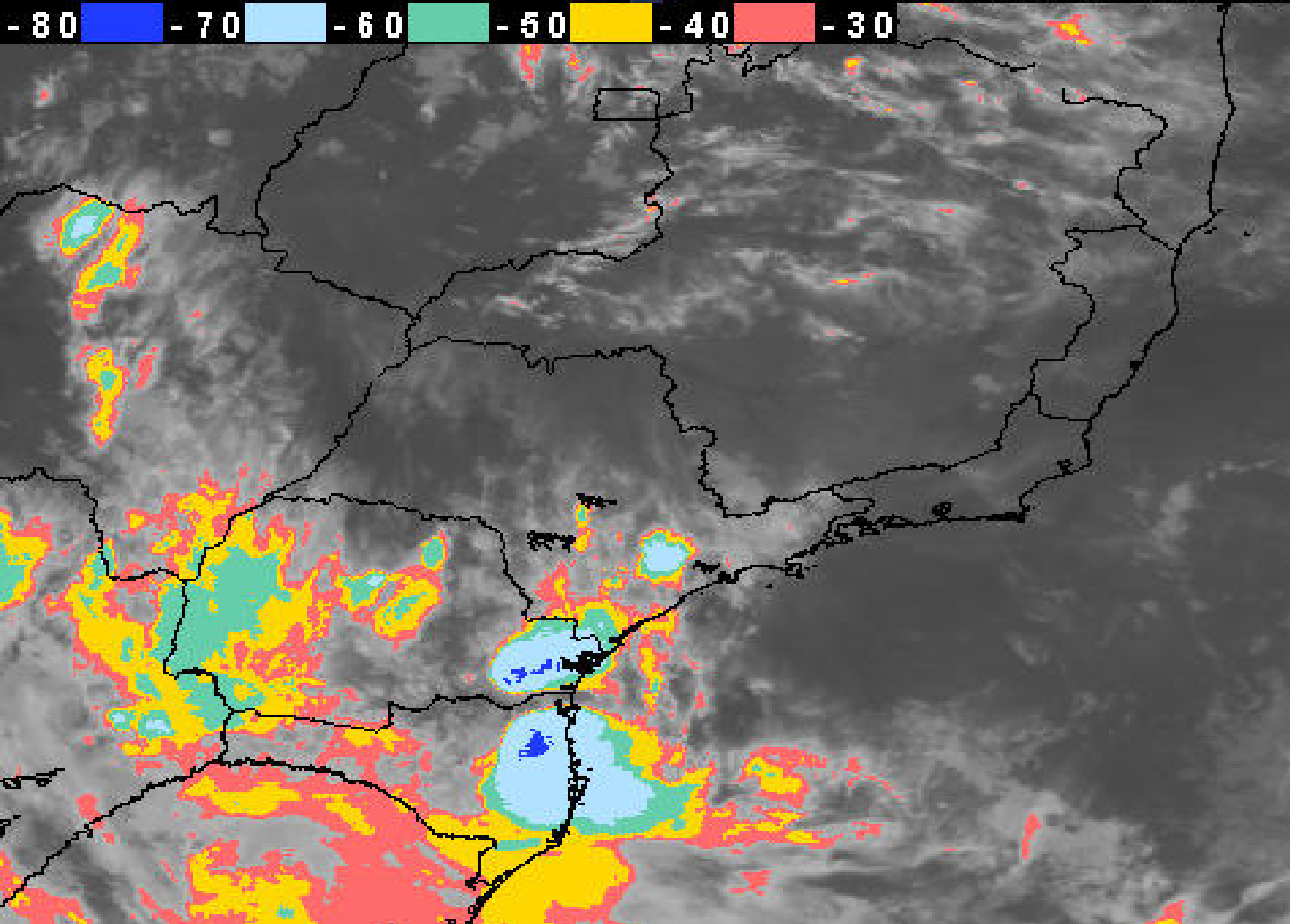




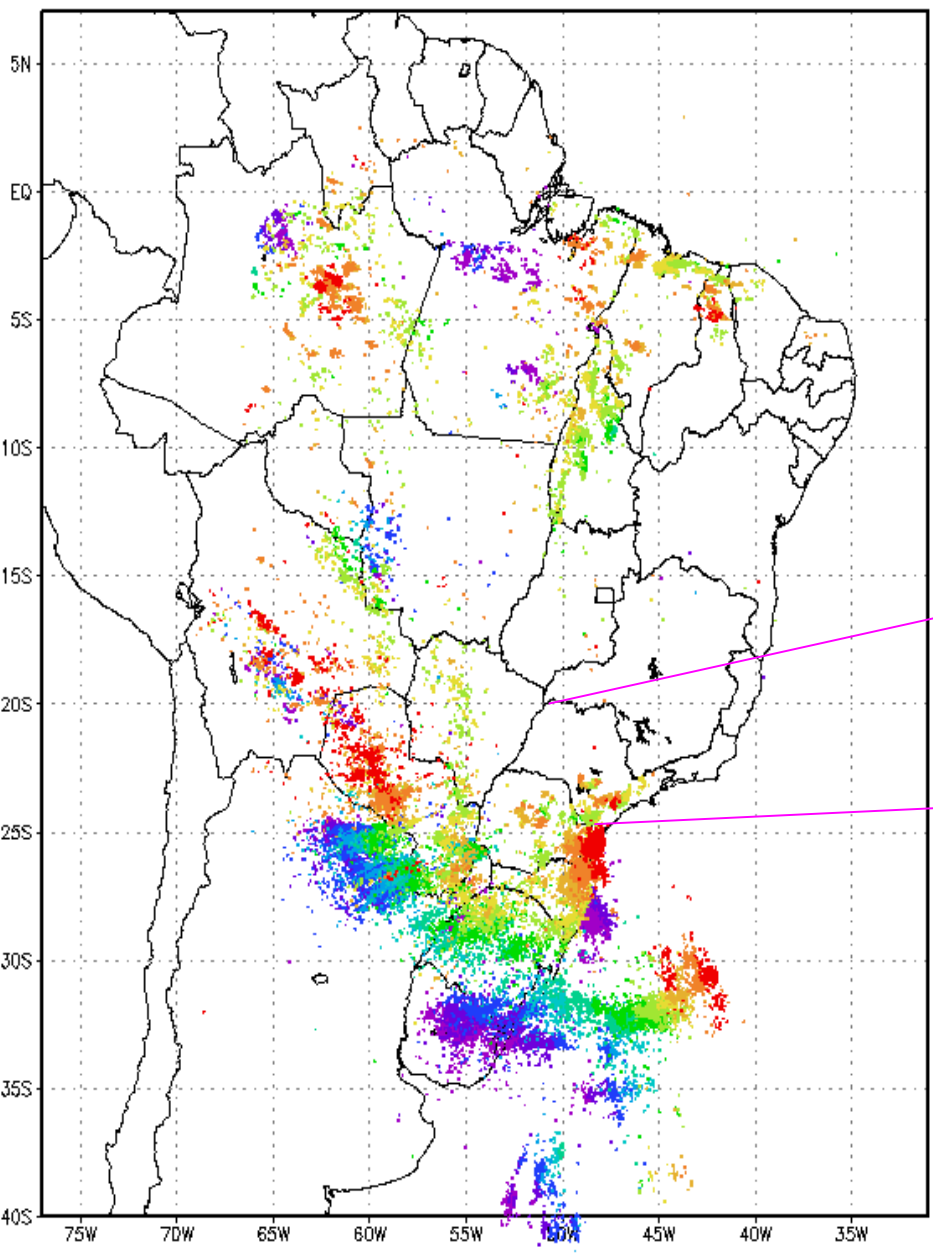
SEGUNDO EVENTO

03/04/2007

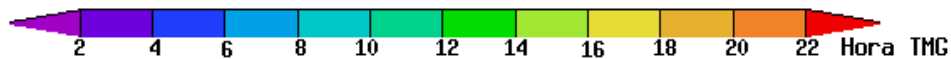
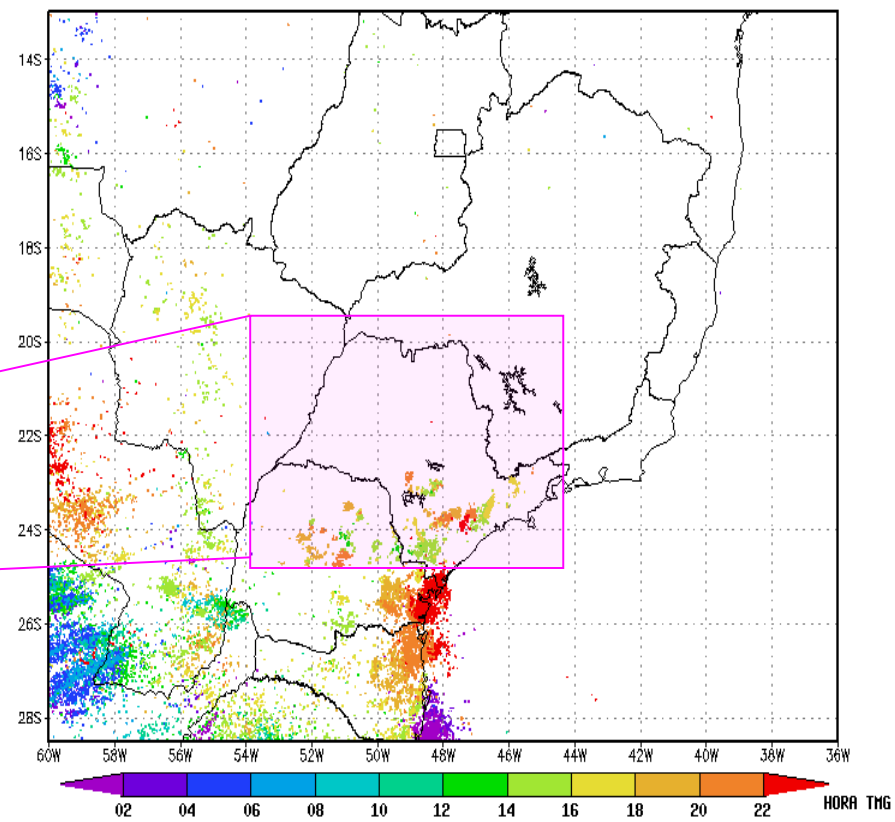
LOGO APÓS O 1º



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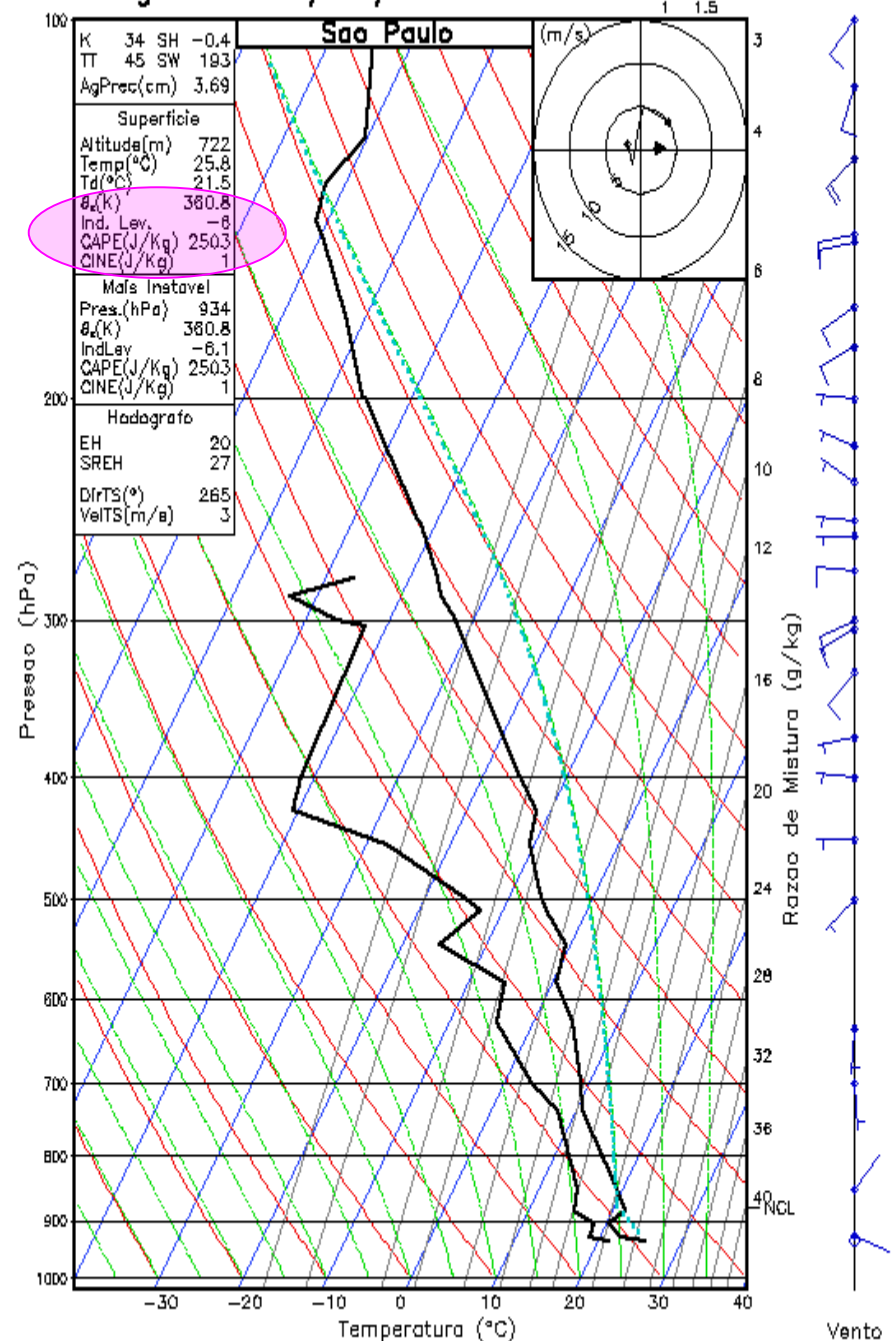
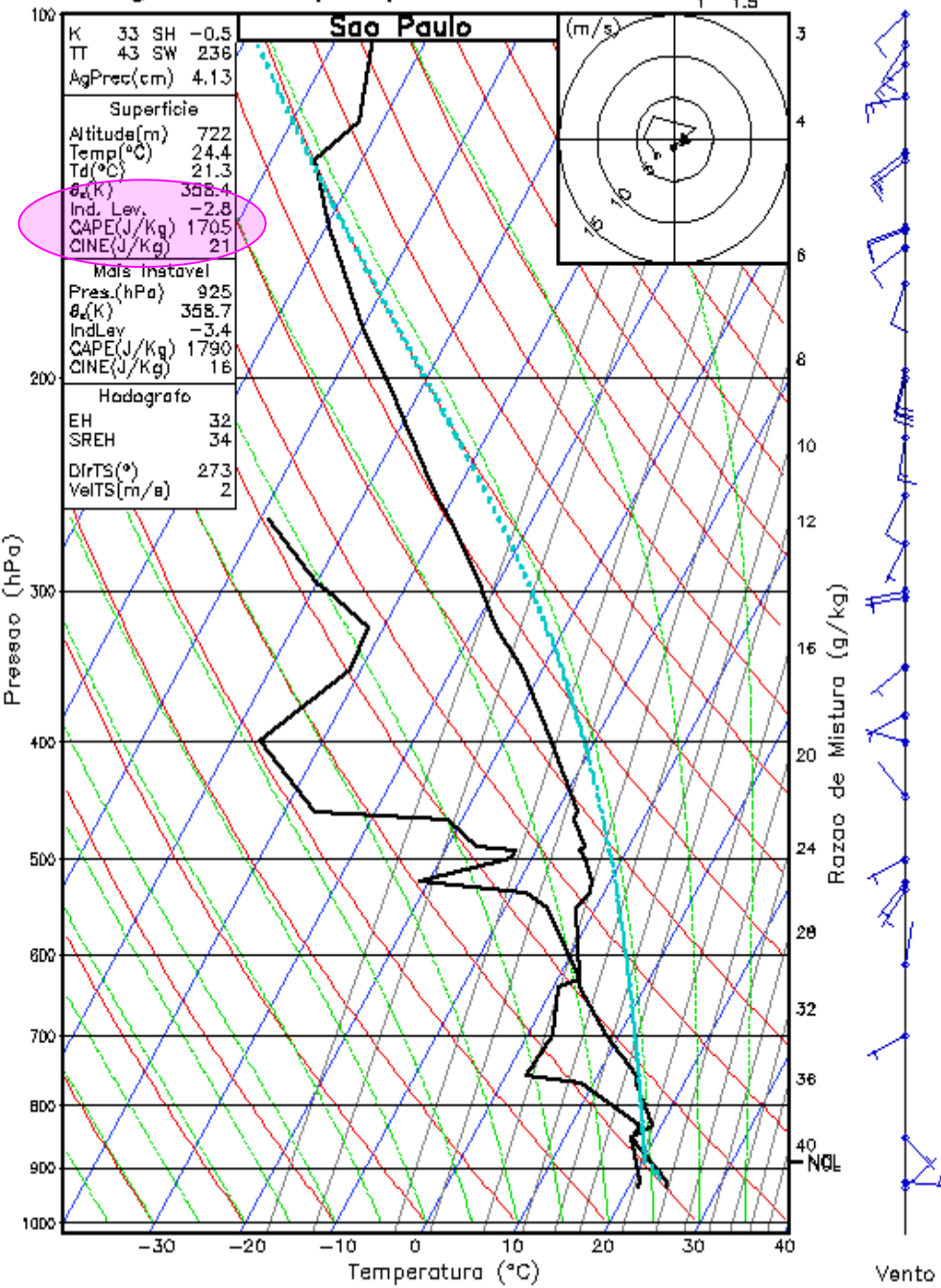


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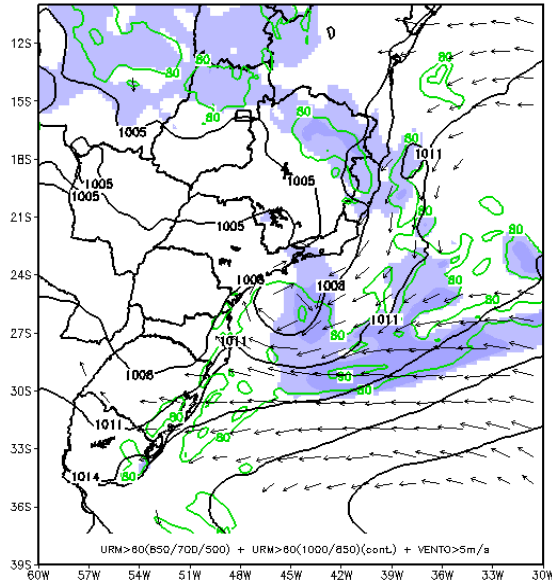
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Sondagem 2007/04/03 12Z estacao:83779

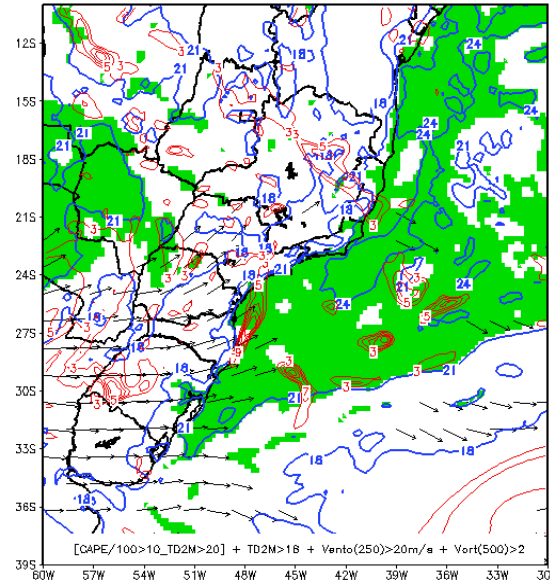


Previsao Automatica para 15h 03/Abr/2007 terca-feira

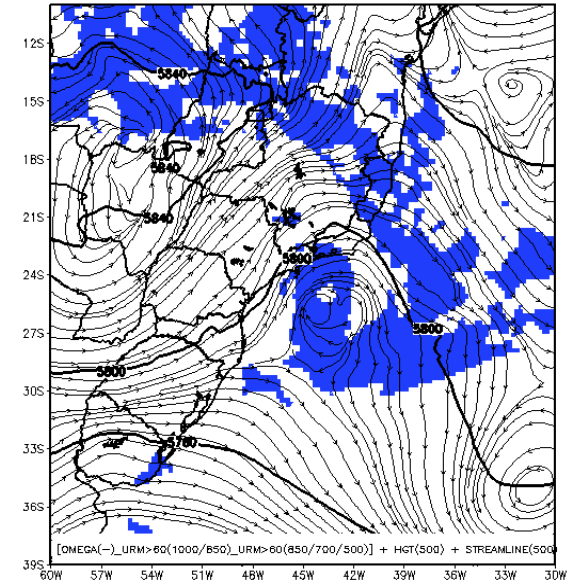
UMIDADE E/OU NEBULOSIDADE



PANCADAS POR CALOR E UMIDADE

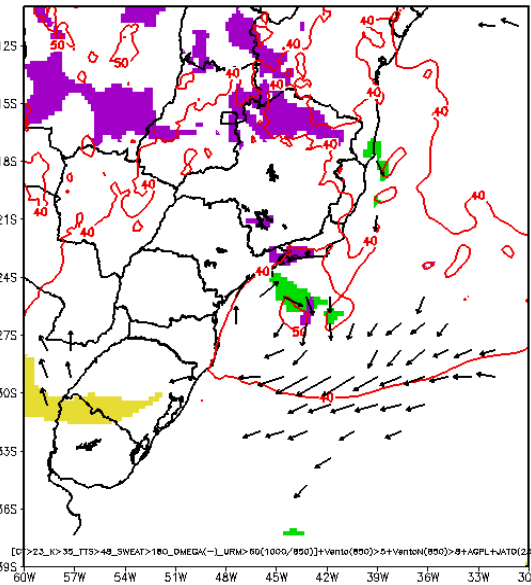
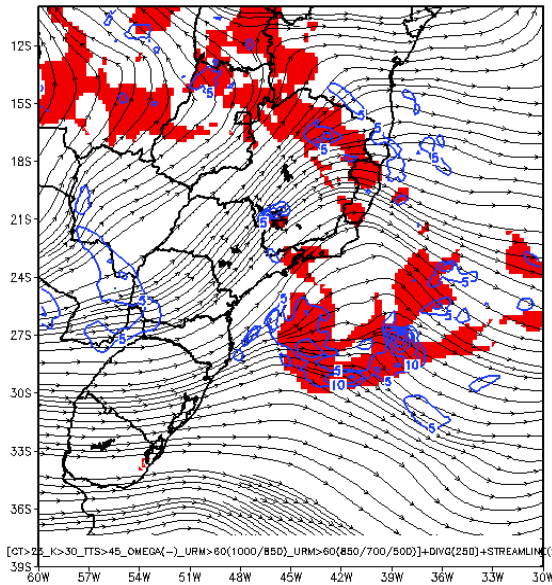


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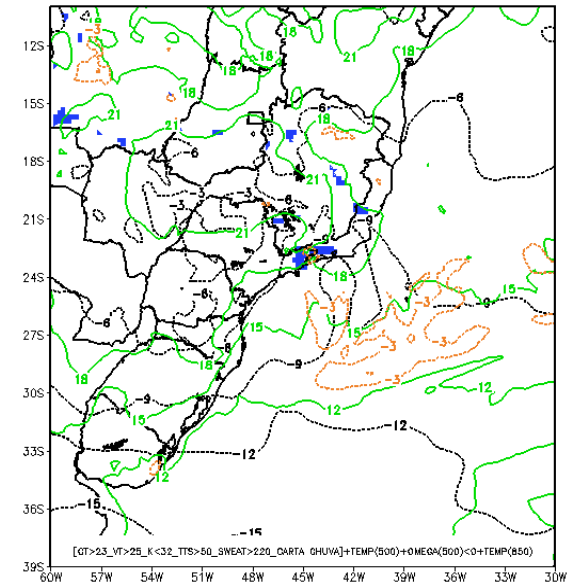


15h 03/Abr/2007 terca-feira
MORTAL

PANCADAS DE CHUVA C/ TROVOADAS

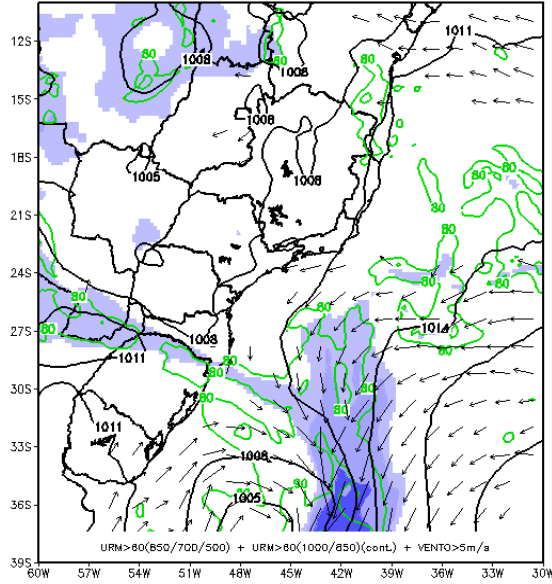


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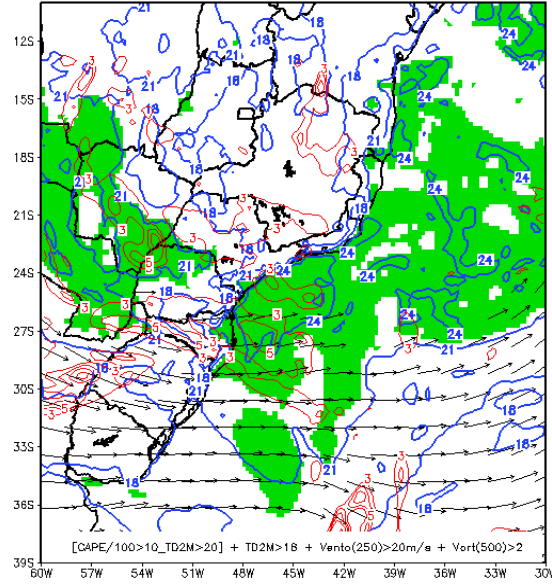


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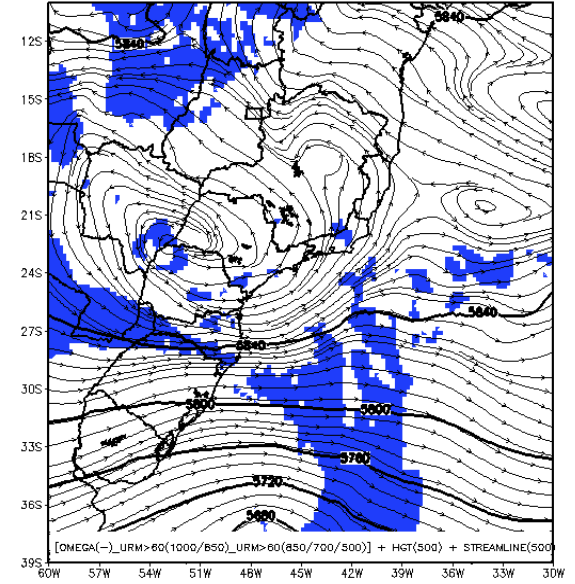
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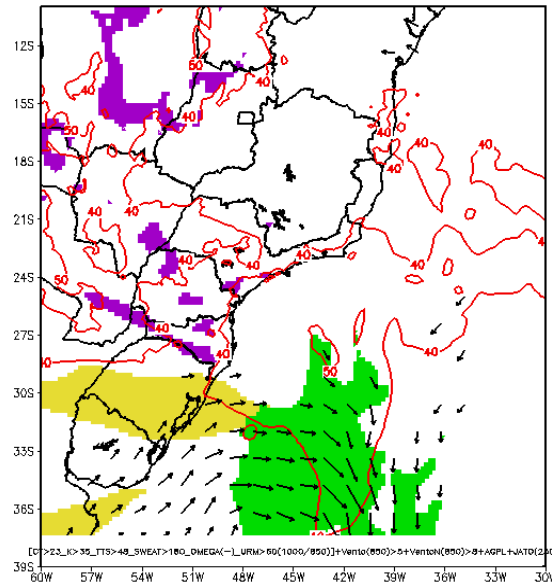
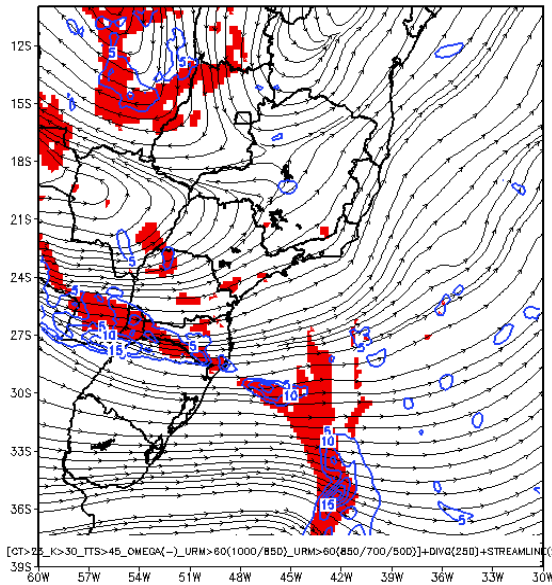


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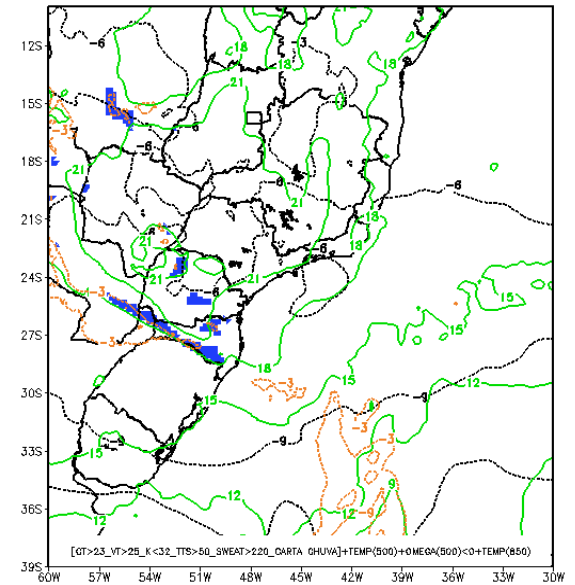


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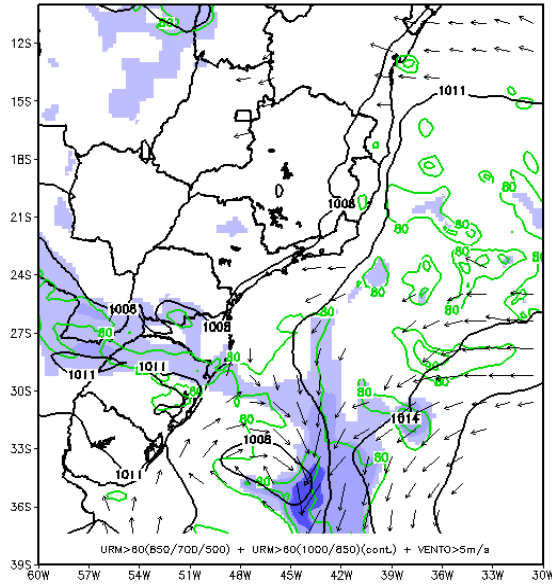


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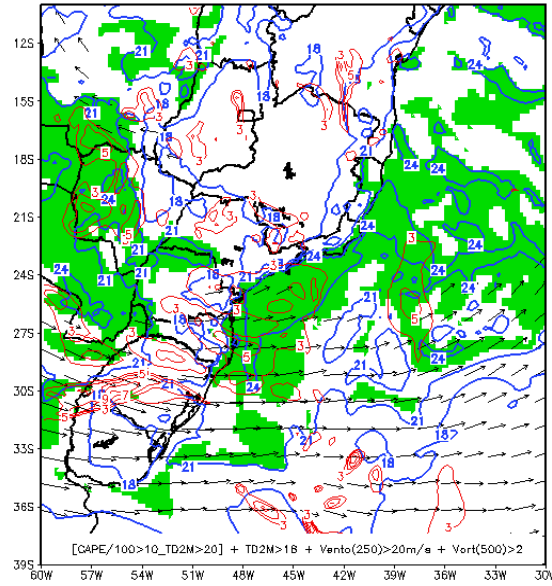


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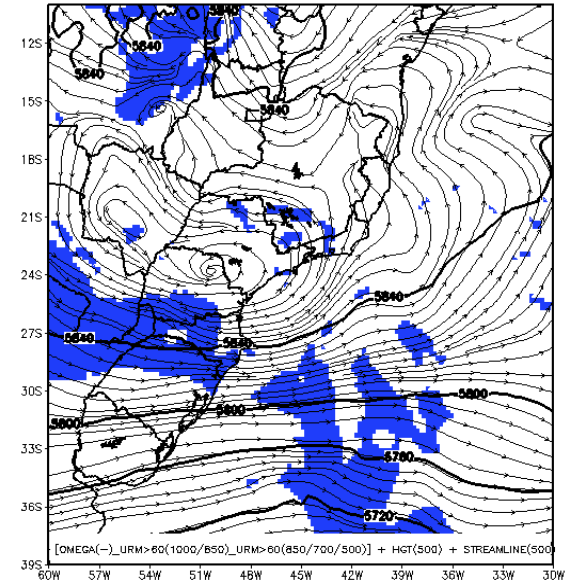
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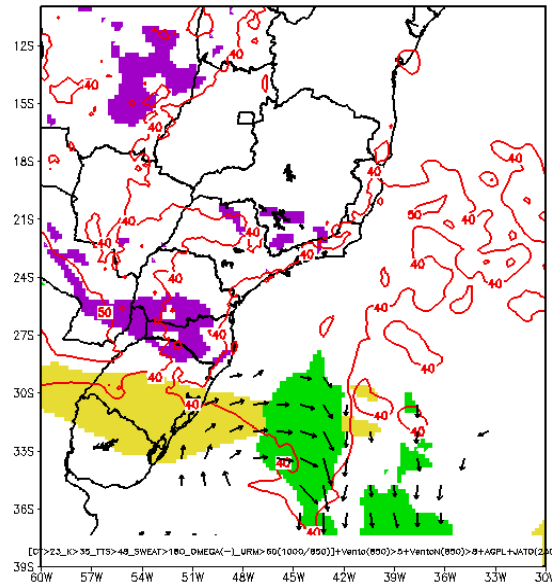
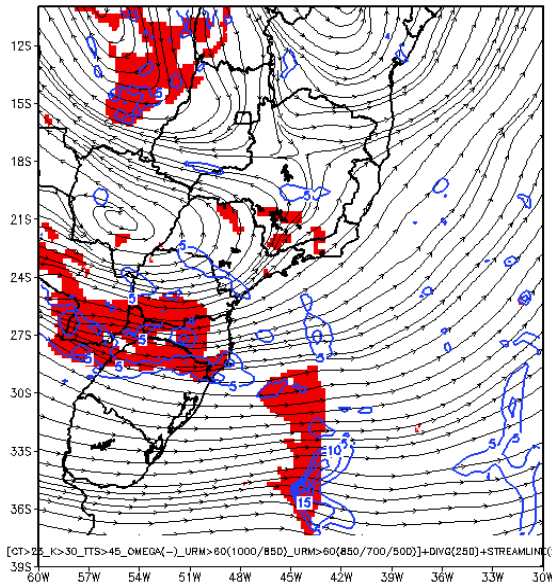


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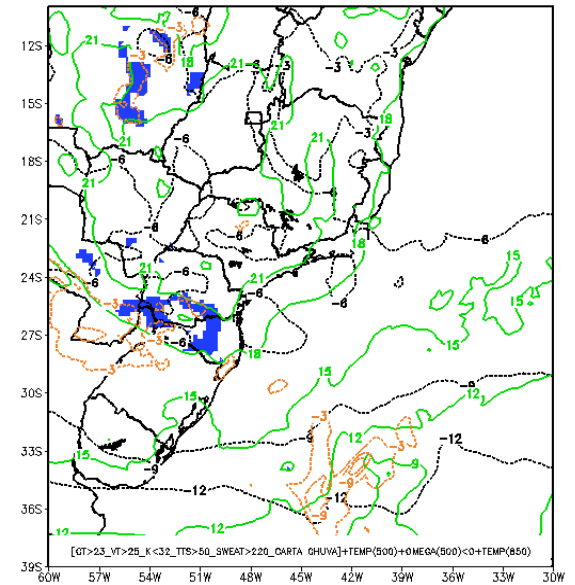


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PANCADAS DE CHUVA C/ TROVOADAS

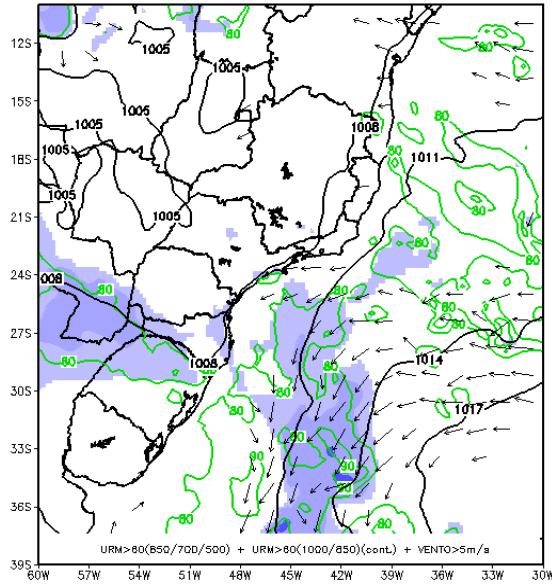


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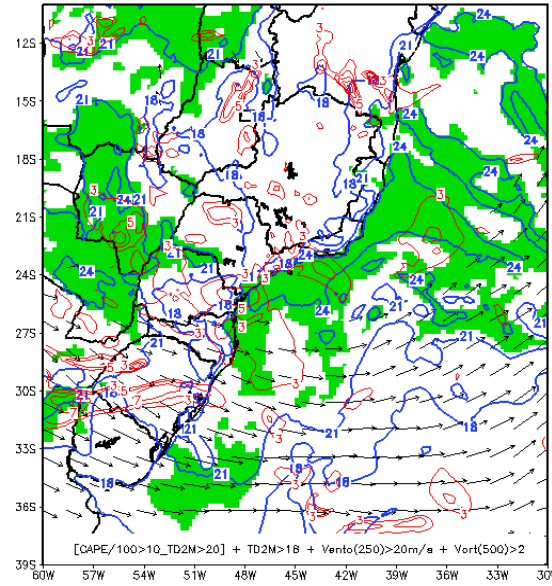


Previsão Automática para 15h 03/Abr/2007 terça-feira

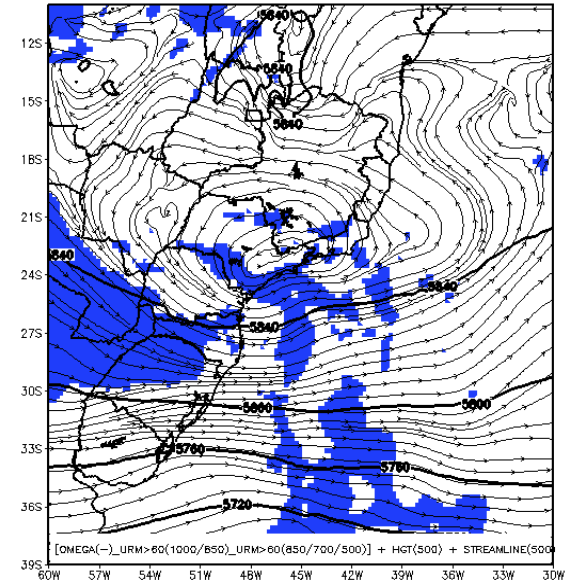
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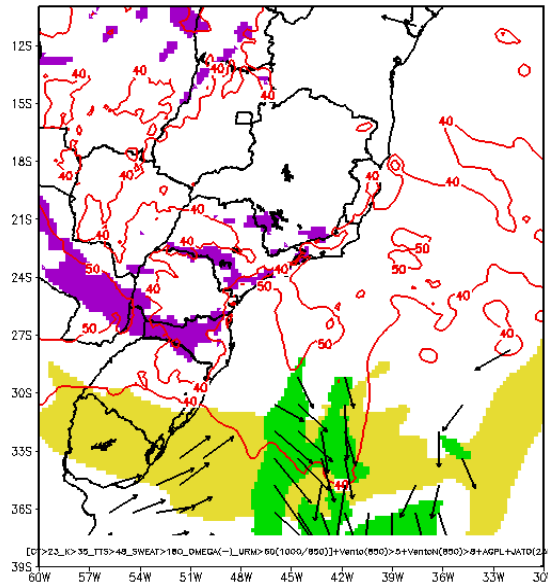
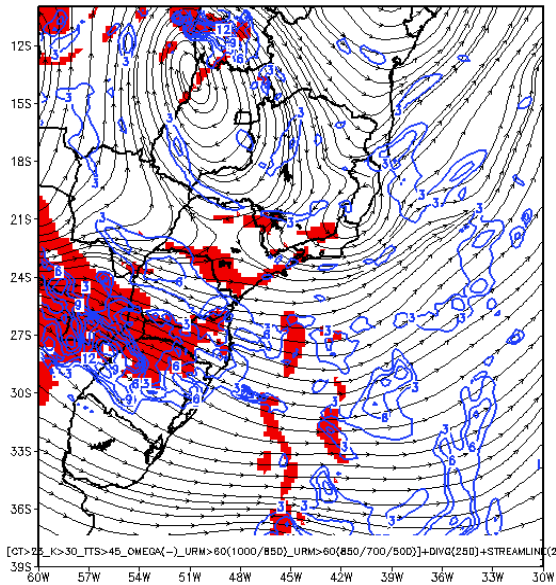


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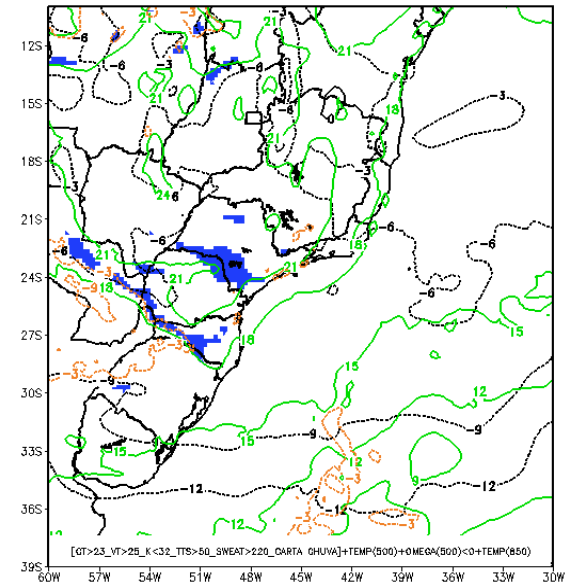


15h 03/Abr/2007 terça-feira
MORTAL

PANCADAS DE CHUVA C/ TROVOADAS

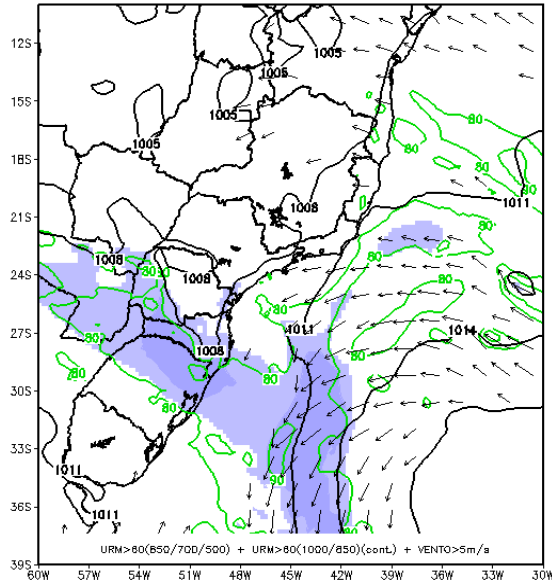


GRANIZO E/OU MORTIFERO

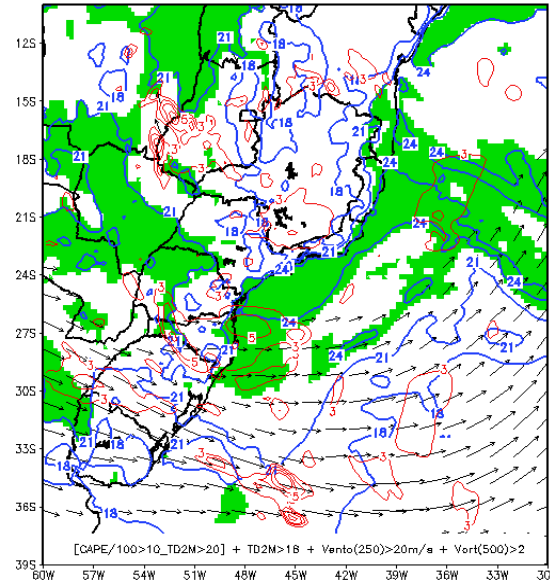


Previsão Automática para 15h 03/Abr/2007 terça-feira

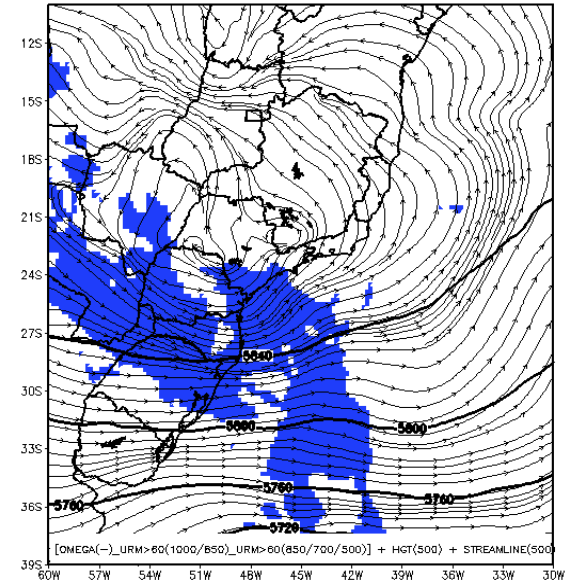
UMIDADE E/OU NEBULOSIDADE



PANCADAS POR CALOR E UMIDADE

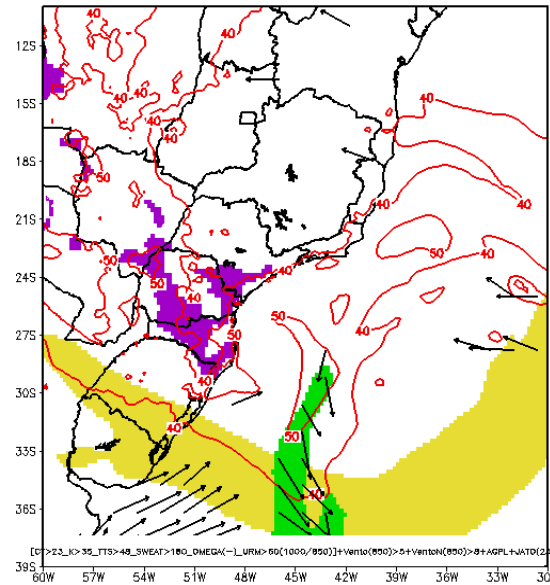
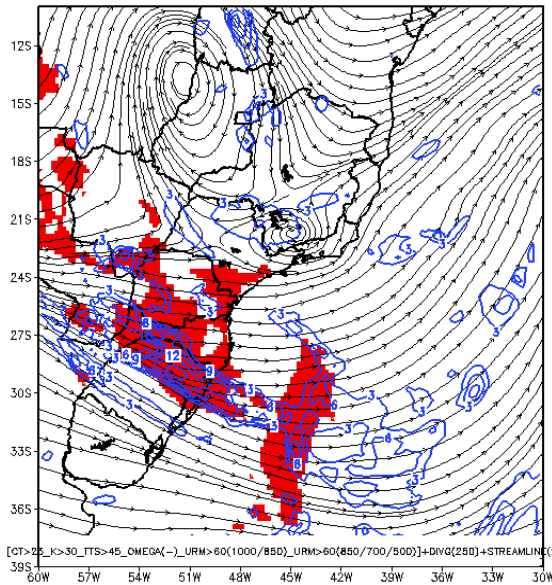


CHUVA

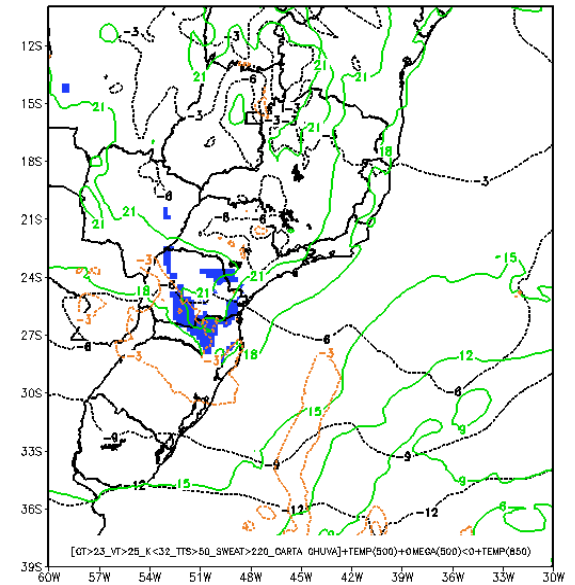


15h 03/Abr/2007 terça-feira
MORTAL

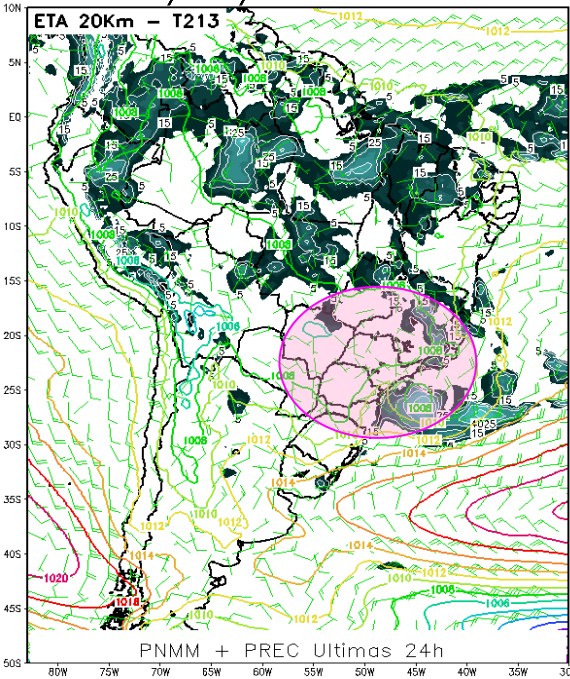
PANCADAS DE CHUVA C/ TROVOADAS



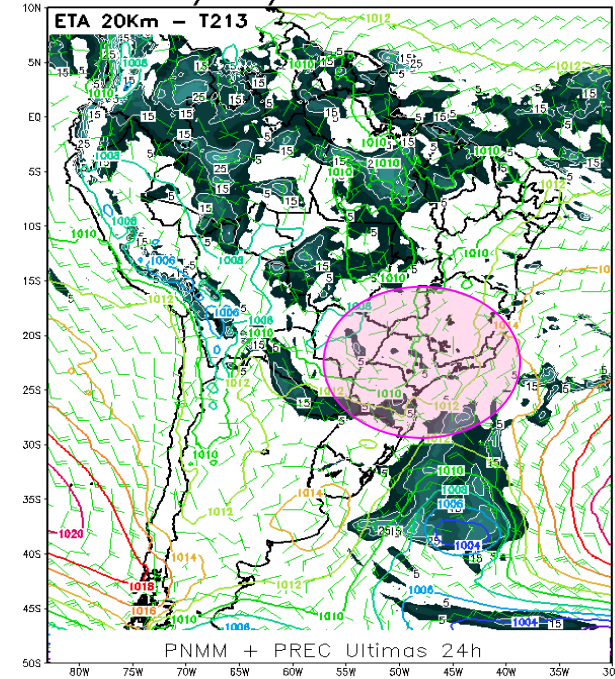
GRANIZERO E/OU MORTIFERO



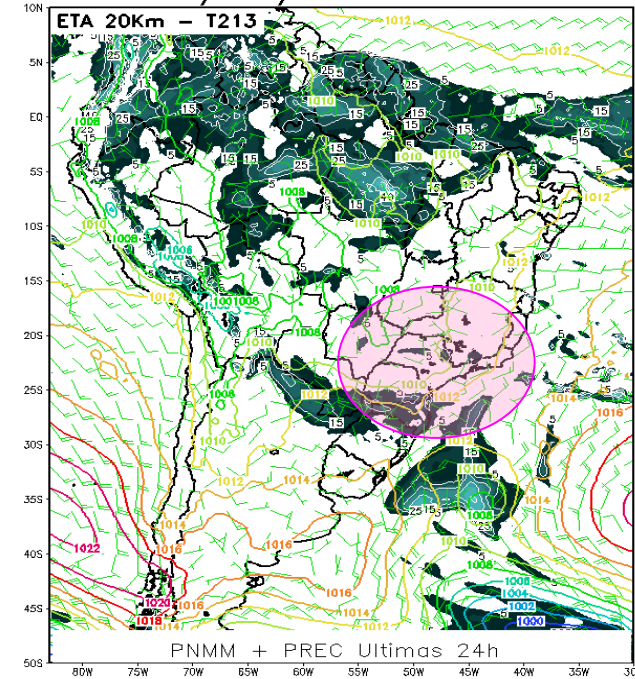
21h 03/Abr/2007 terca-feira



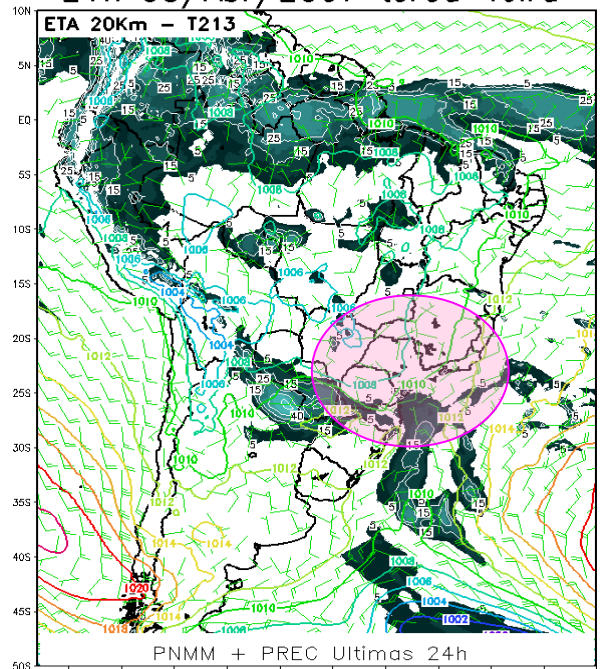
21h 03/Abr/2007 terca-feira



21h 03/Abr/2007 terca-feira



21h 03/Abr/2007 terca-feira



21h 03/Abr/2007 terca-feira

