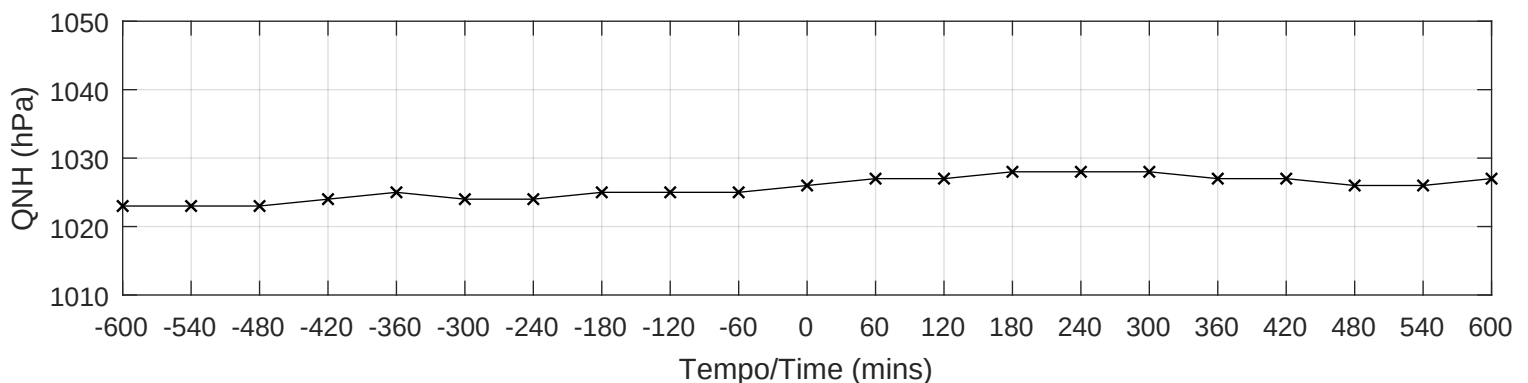
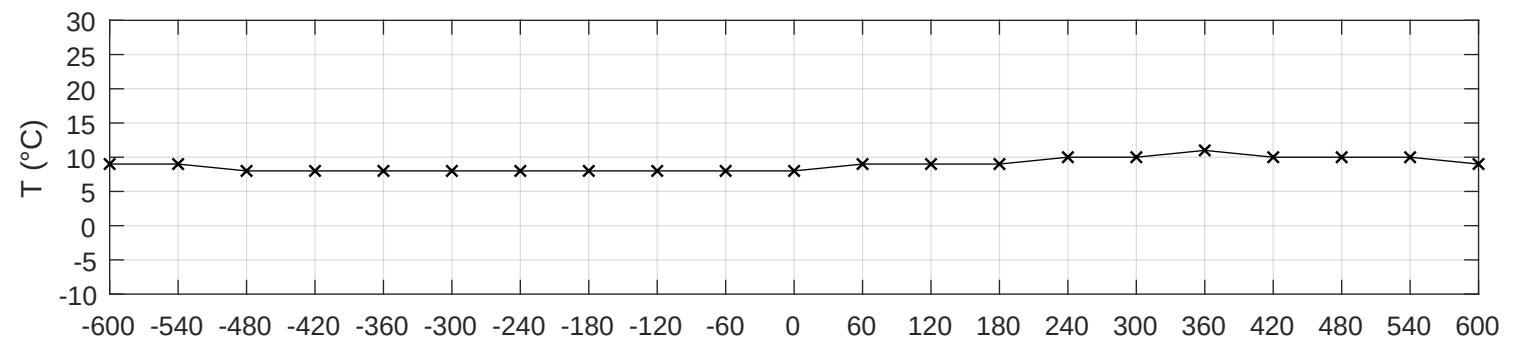
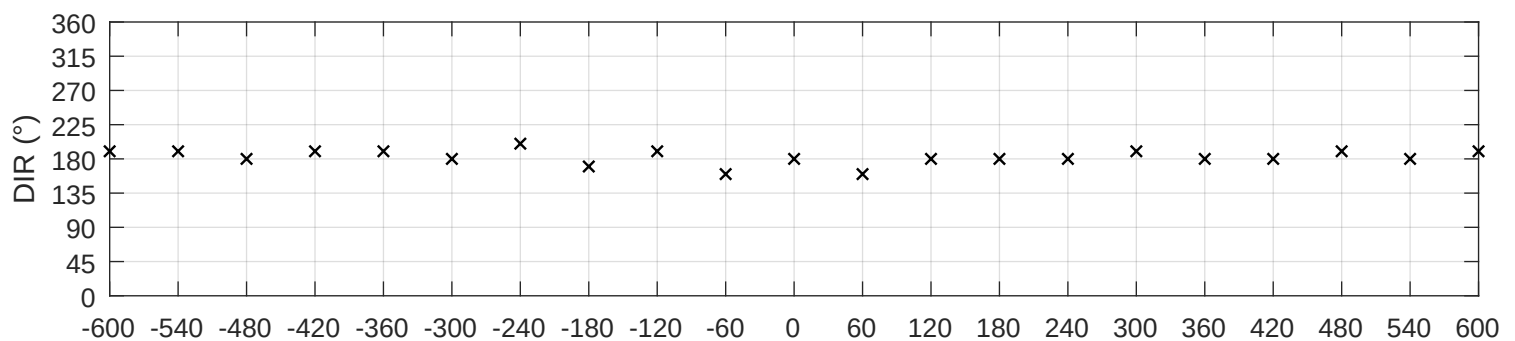
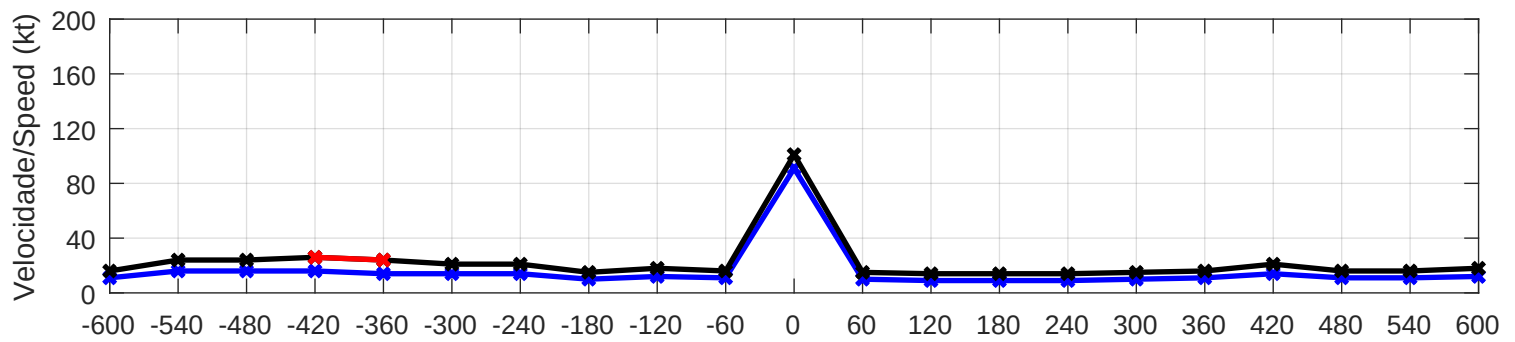


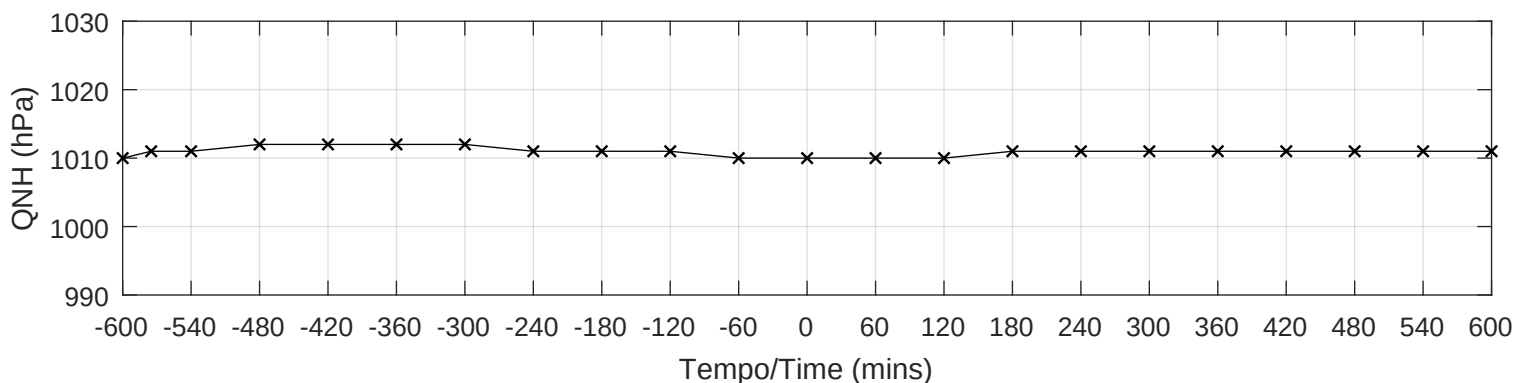
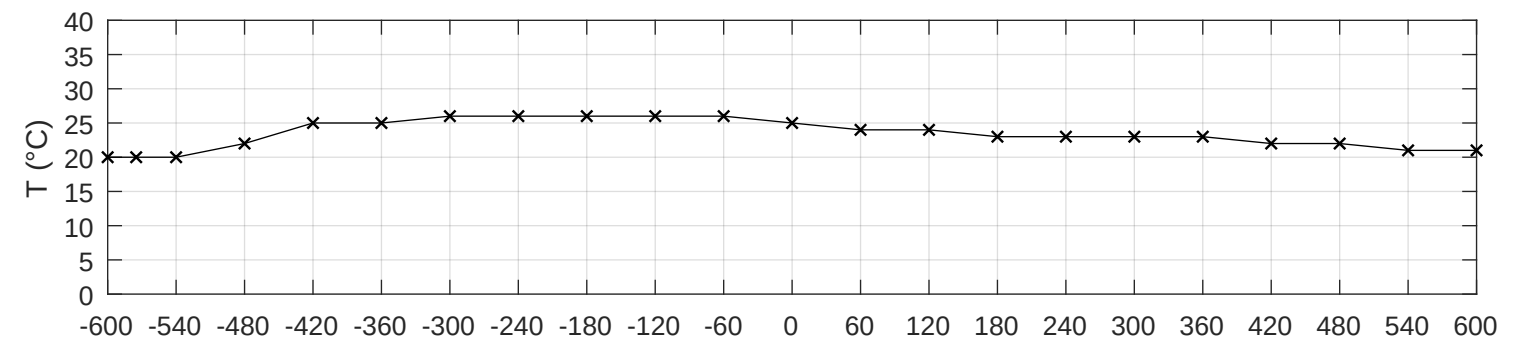
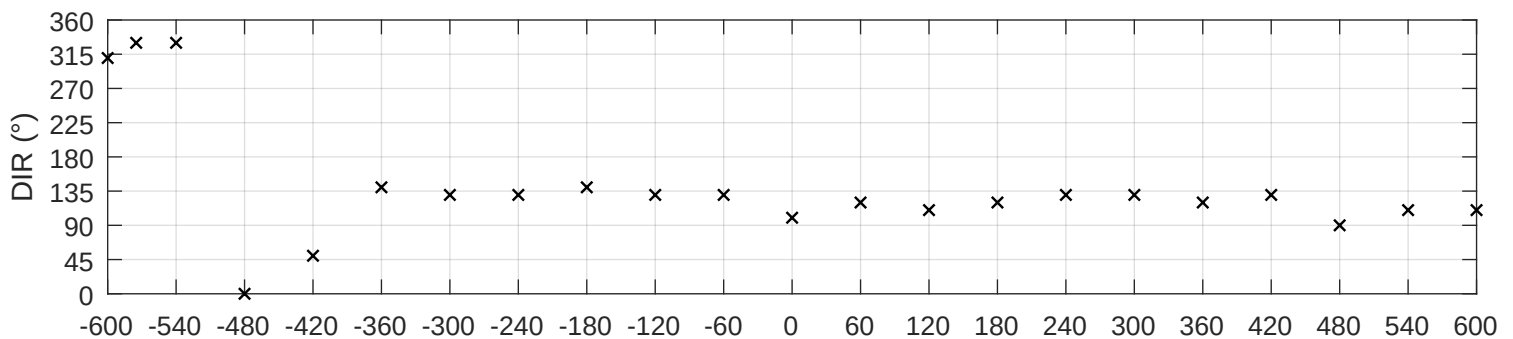
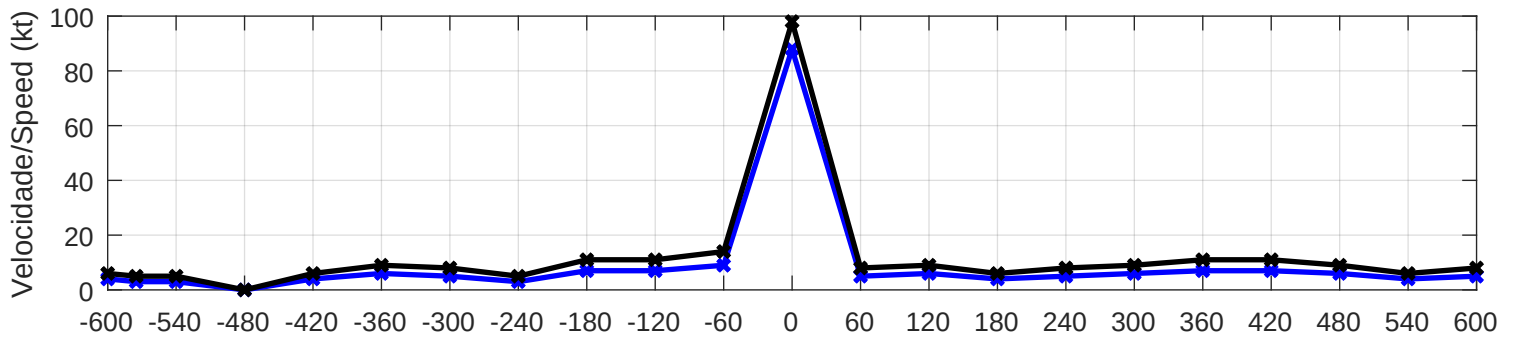
SUMU/86580 EVENTO/EVENT 1 - 31/08/2005, 11:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 101$ kt	$R_{-6} = 5.3$	$T_{med,3} = 8.0$ °C	$DIR = 180^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 91$ kt	$R_{-3} = 6.2$	$\Delta T_{min,3} = 0.0$ °C	$\Delta DIR_{max,-3} = 20^\circ$		SUSPECT
$G_V = []$	$R_{+3} = 7.0$	$\Delta Q_{max,3} = 2.0$ hPa	$\Delta DIR_{max,+3} = 20^\circ$		(324)
$G_{cor} = 101.0$ kt	$R_{+6} = 6.9$	Δ Grupo/Group = 3	SUMU 311100Z 18091KT 9999 SCT020 08/02 Q1026=		
$V_{cor} = 91.0$ kt					



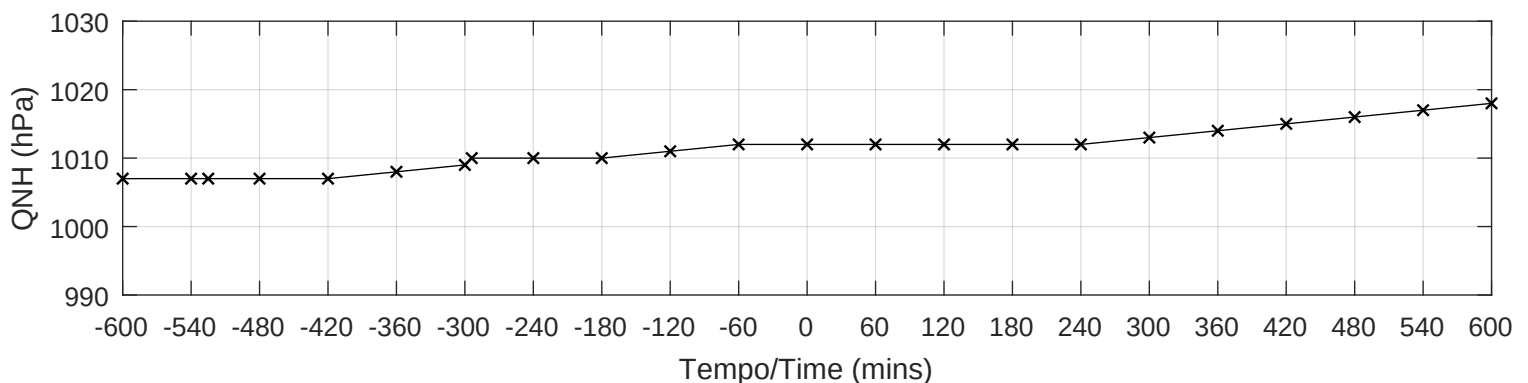
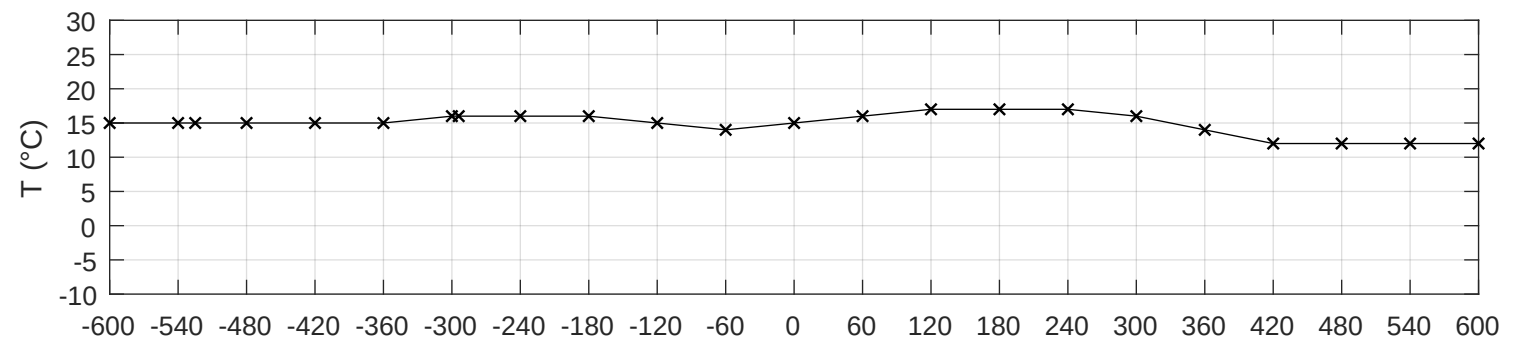
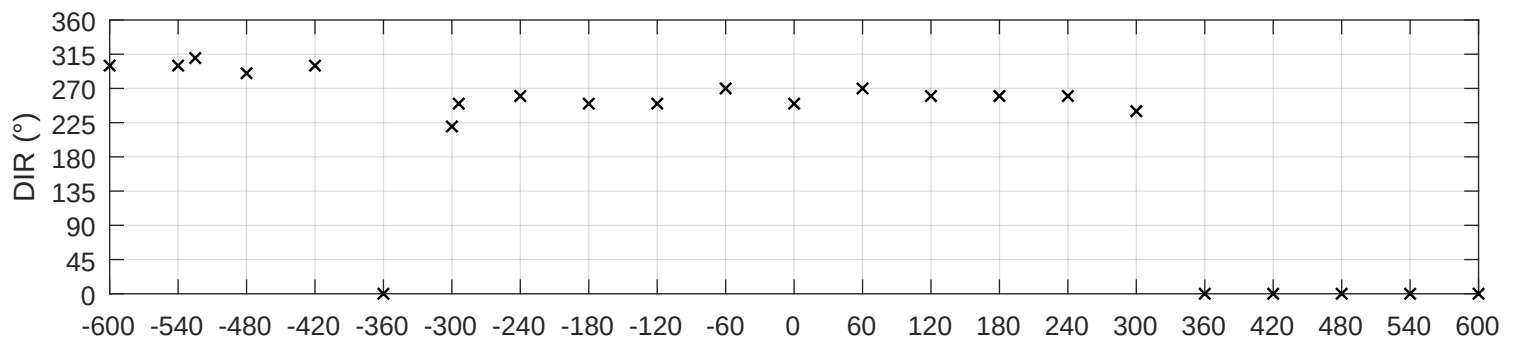
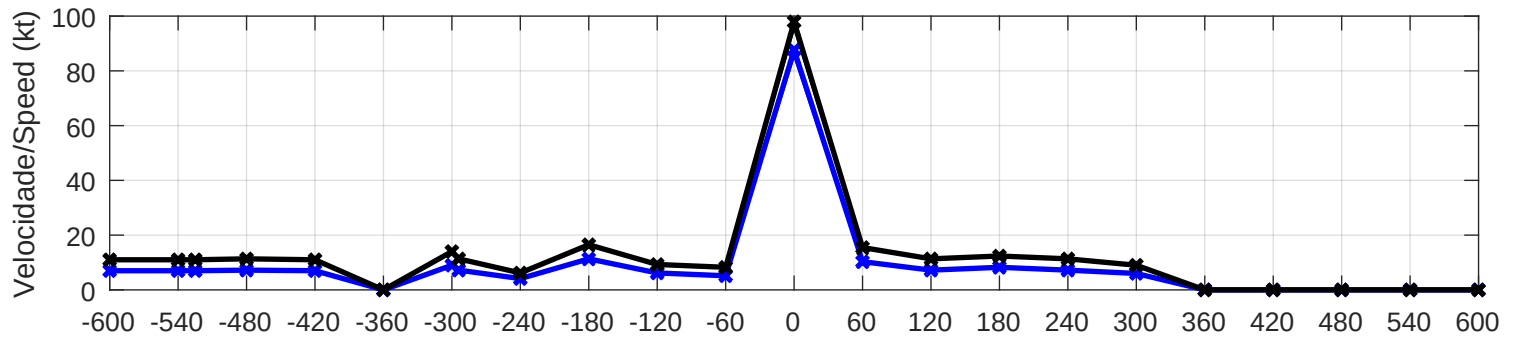
SUMU/86580 EVENTO/EVENT 2 - 06/03/2003, 20:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 98$ kt	$R_{-6} = 10.1$	$T_{med,3} = 26.0$ °C	$DIR = 100^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 88$ kt	$R_{-3} = 8.2$	$\Delta T_{min,3} = -2.0$ °C	$\Delta DIR_{max,-3} = 40^\circ$		SUSPECT
$G_V = []$	$R_{+3} = 12.8$	$\Delta Q_{max,3} = 0.0$ hPa	$\Delta DIR_{max,+3} = 20^\circ$		(324)
$G_{cor} = 98.0$ kt	$R_{+6} = 11.5$	Δ Grupo/Group = 3	SUMU 062000Z 10088KT 9999 FEW026 BKN200 25/20 Q1010=		
$V_{cor} = 88.0$ kt					



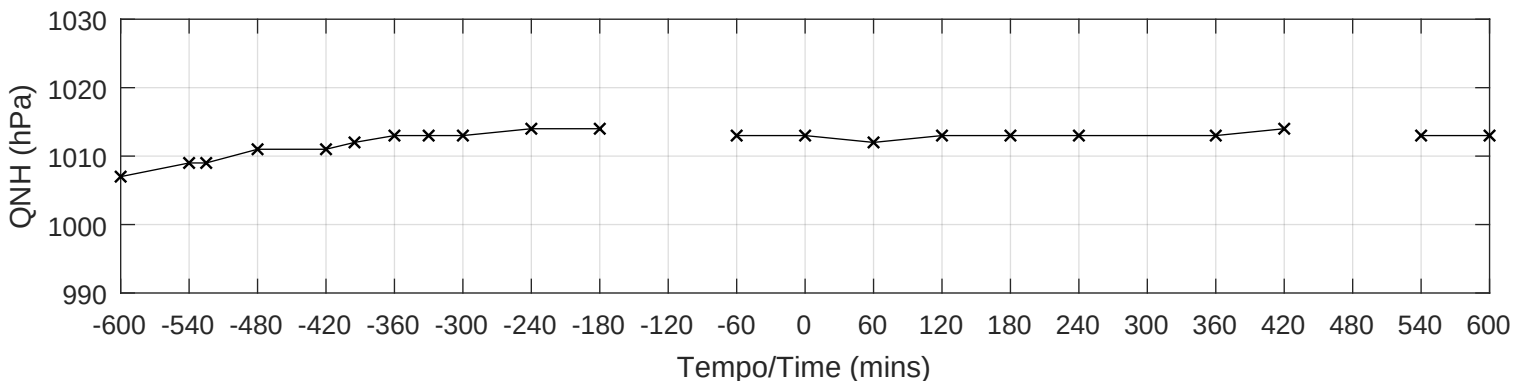
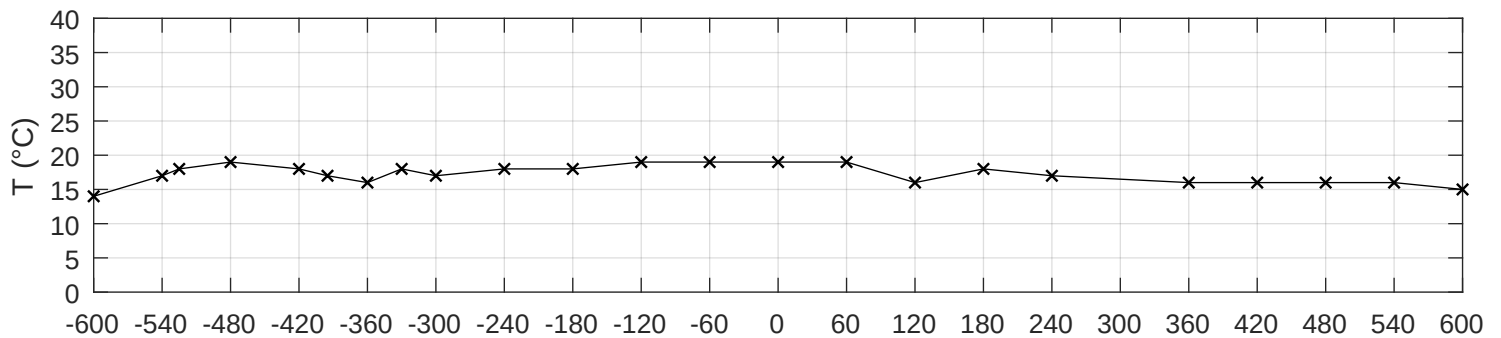
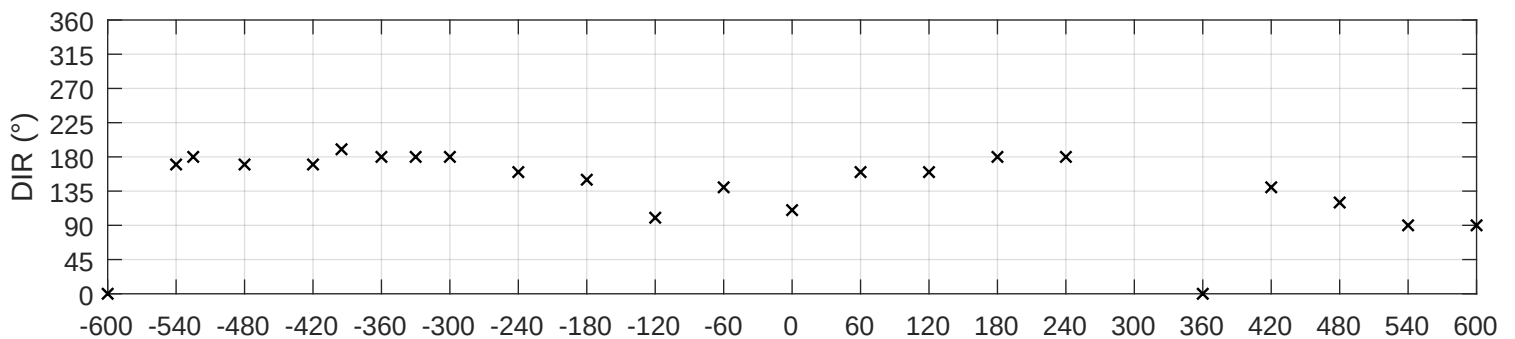
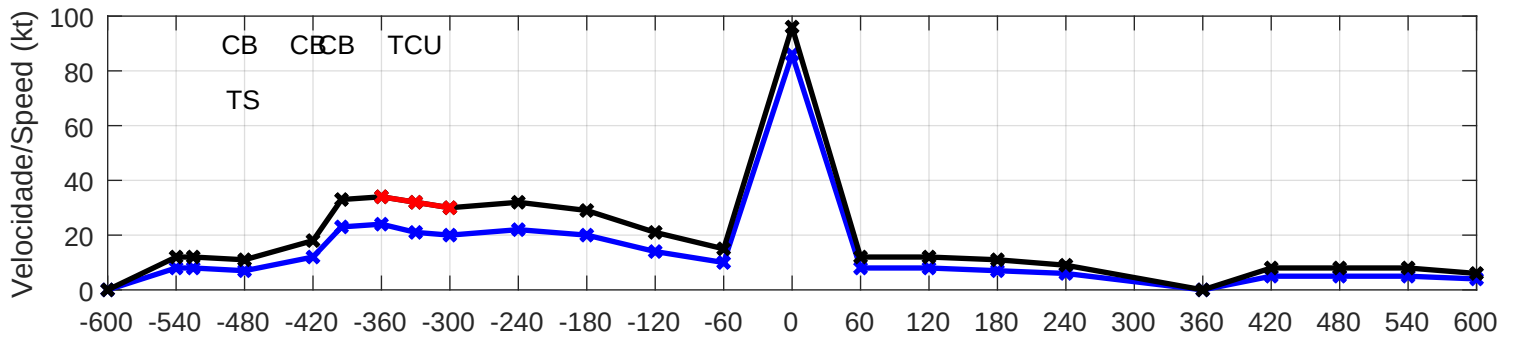
SUMU/86580 EVENTO/EVENT 3 - 25/05/2010, 15:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 95$ kt	$R_{-6} = 11.3$	$T_{med,3} = 15.0$ °C	$DIR = 250^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 85$ kt	$R_{-3} = 8.6$	$\Delta T_{min,3} = -1.0$ °C	$\Delta DIR_{max,-3} = 20^\circ$		SUSPECT
$G_V = []$	$R_{+3} = 7.5$	$\Delta Q_{max,3} = 1.0$ hPa	$\Delta DIR_{max,+3} = 20^\circ$		(324)
$G_{cor} = 97.9$ kt	$R_{+6} = 9.8$	Δ Grupo/Group = 3	SUMU 251500Z 25085KT 9999 BKN008 OVC060 15/14 Q1012=		
$V_{cor} = 87.6$ kt					



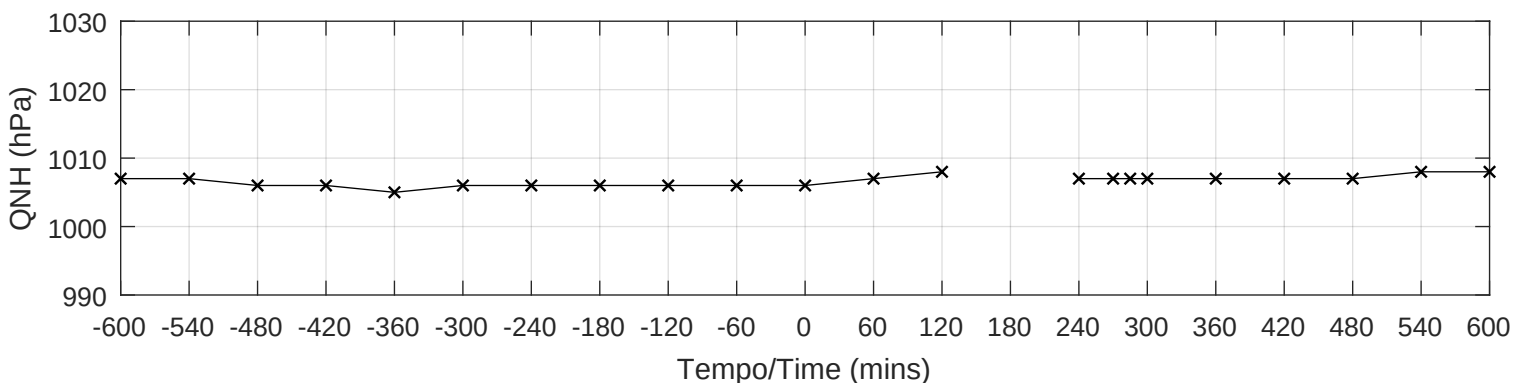
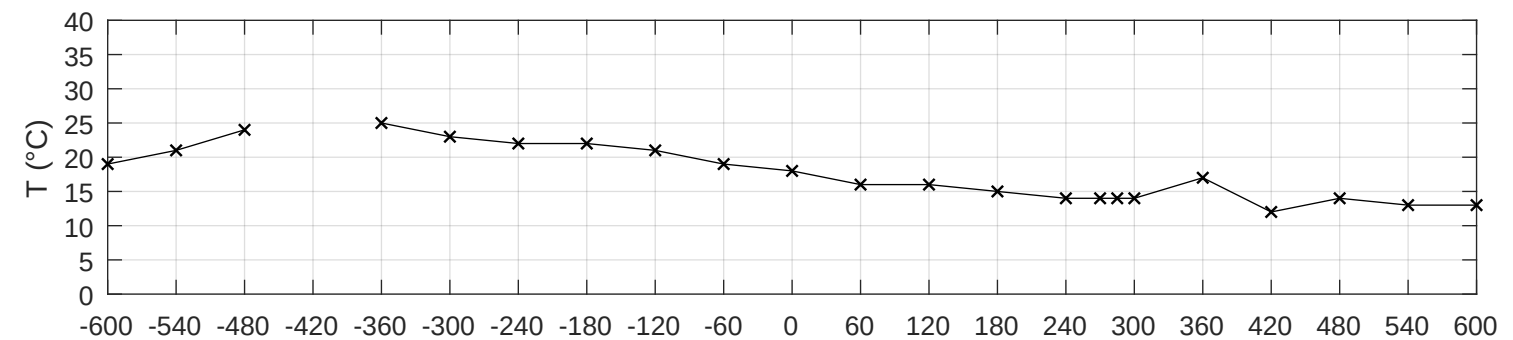
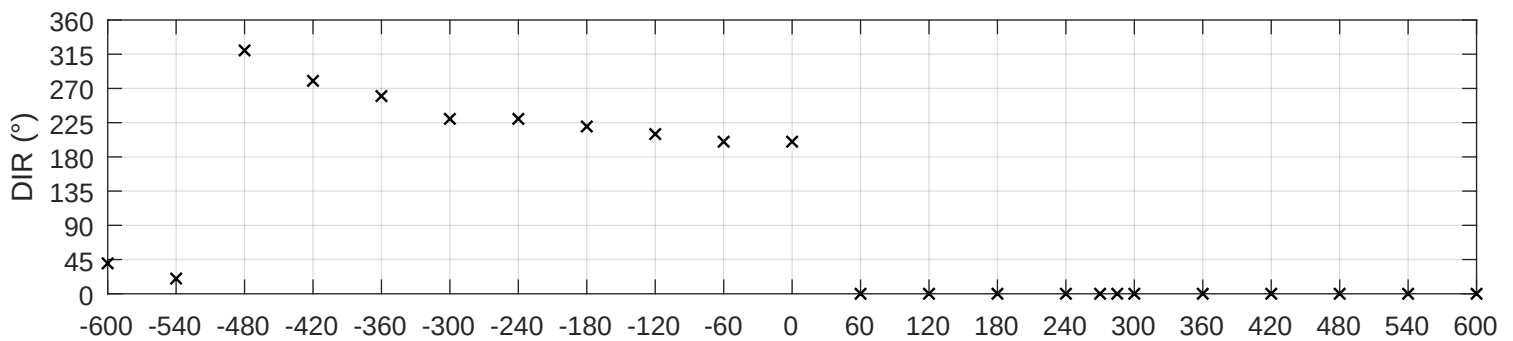
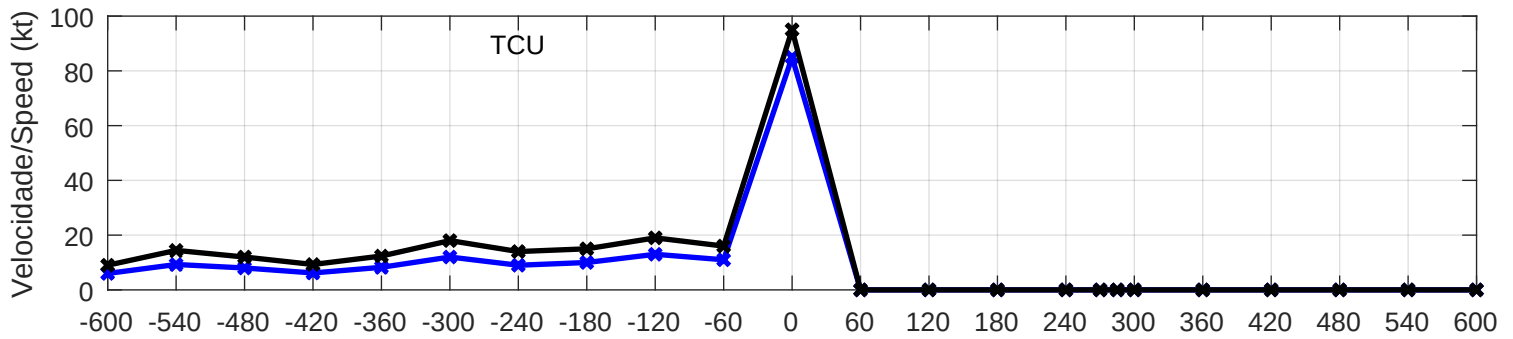
SUMU/86580 EVENTO/EVENT 4 - 27/11/1997, 18:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 96$ kt	$R_{-6} = 3.6$	$T_{med,3} = 18.7$ °C	$DIR = 110^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 86$ kt	$R_{-3} = 4.4$	$\Delta T_{min,3} = 0.0$ °C	$\Delta DIR_{max,-3} = 40^\circ$		SUSPECT
$G_V = []$	$R_{+3} = 8.2$	$\Delta Q_{max,3} = 0.0$ hPa	$\Delta DIR_{max,+3} = 70^\circ$		(324)
$G_{cor} = 96.0$ kt	$R_{+6} = 10.9$	Δ Grupo/Group = 3	METAR SUMU 271800Z 11086KT CAVOK 19/10 Q1013 NOSIG		
$V_{cor} = 86.0$ kt					



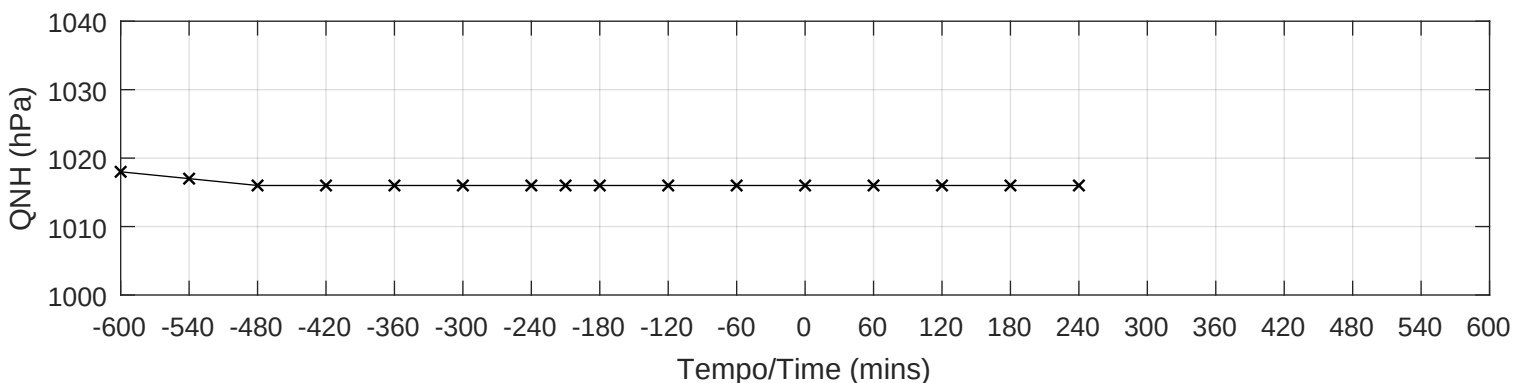
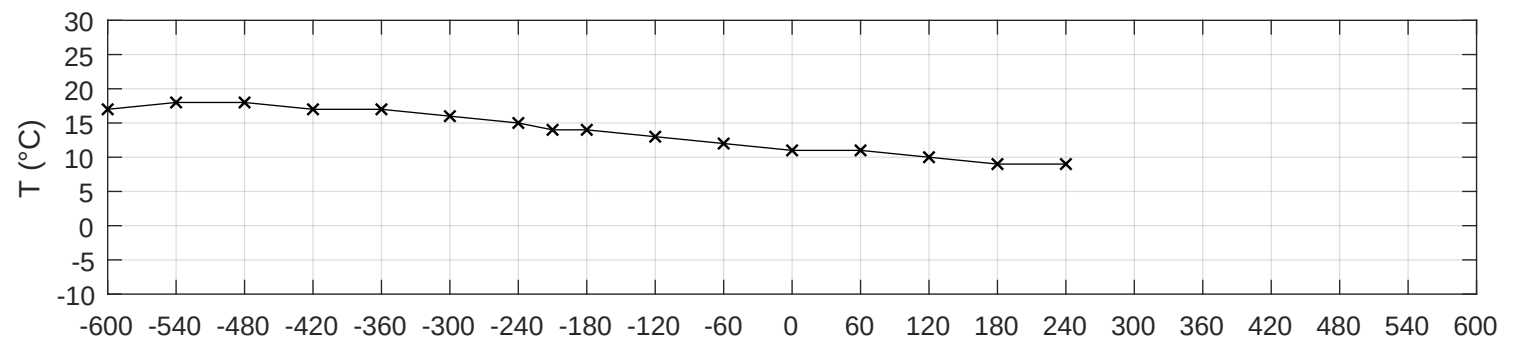
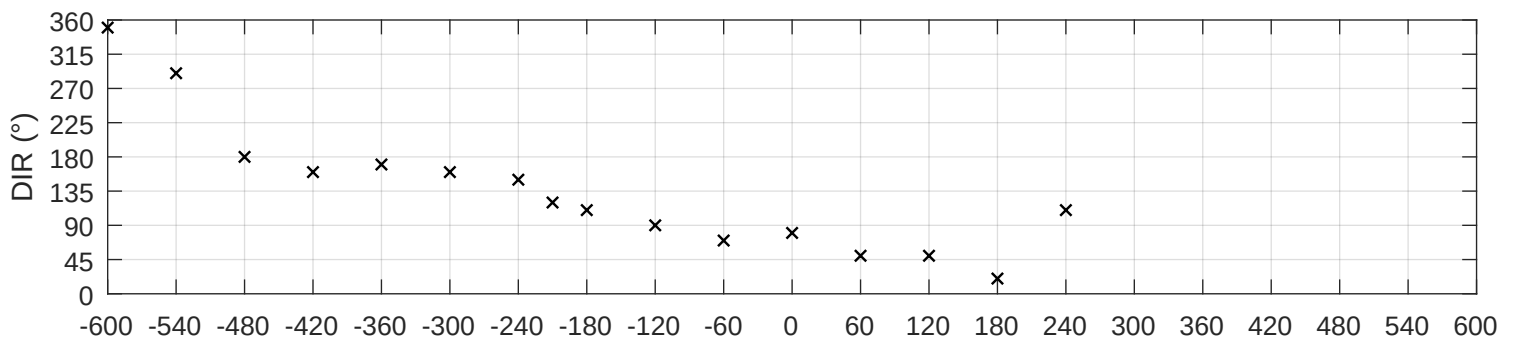
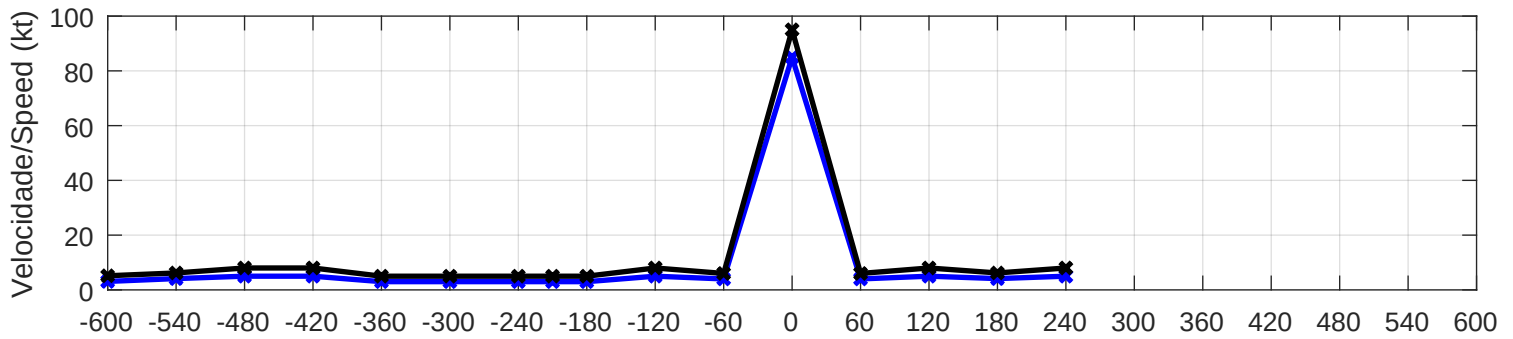
SUMU/86580 EVENTO/EVENT 5 - 30/11/1997, 23:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 95$ kt	$R_{-6} = 6.1$	$T_{med,3} = 20.7$ °C	$DIR = 200^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 85$ kt	$R_{-3} = 5.7$	$\Delta T_{min,3} = -5.0$ °C	$\Delta DIR_{max,-3} = 20^\circ$		SUSPECT
$G_V = []$	$R_{+3} = Inf$	$\Delta Q_{max,3} = 1.0$ hPa	$\Delta DIR_{max,+3} = 0^\circ$		(320)
$G_{cor} = 95.0$ kt	$R_{+6} = Inf$	Δ Grupo/Group = 1	METAR SUMU 302300Z 20085KT 9999 FEW030 SCT200 18/16 Q1006 .		
$V_{cor} = 85.0$ kt					



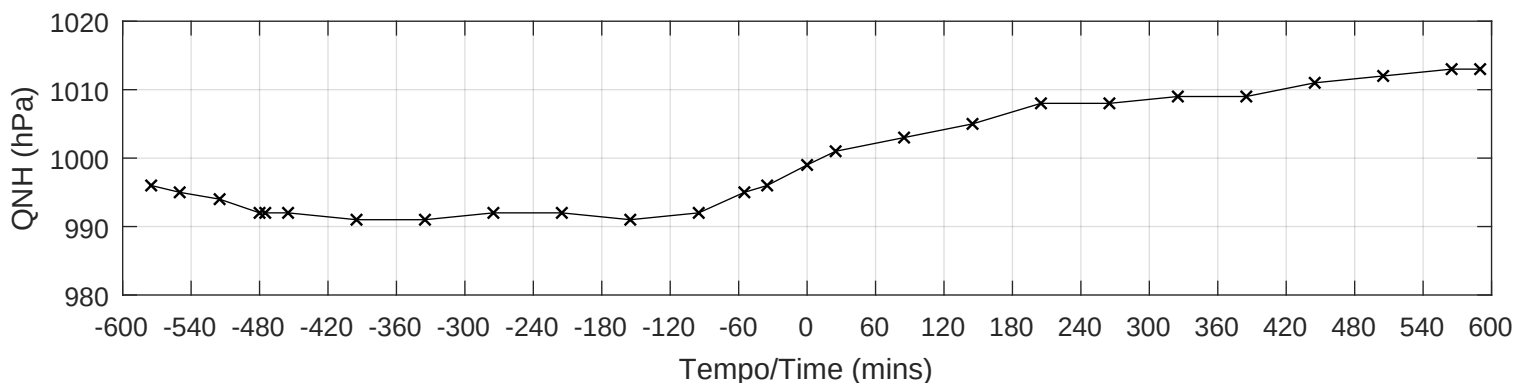
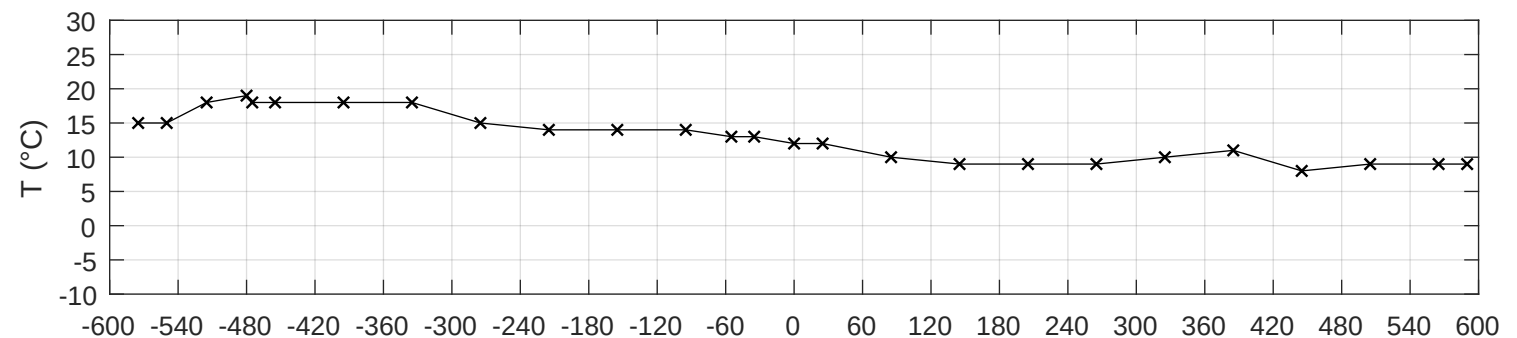
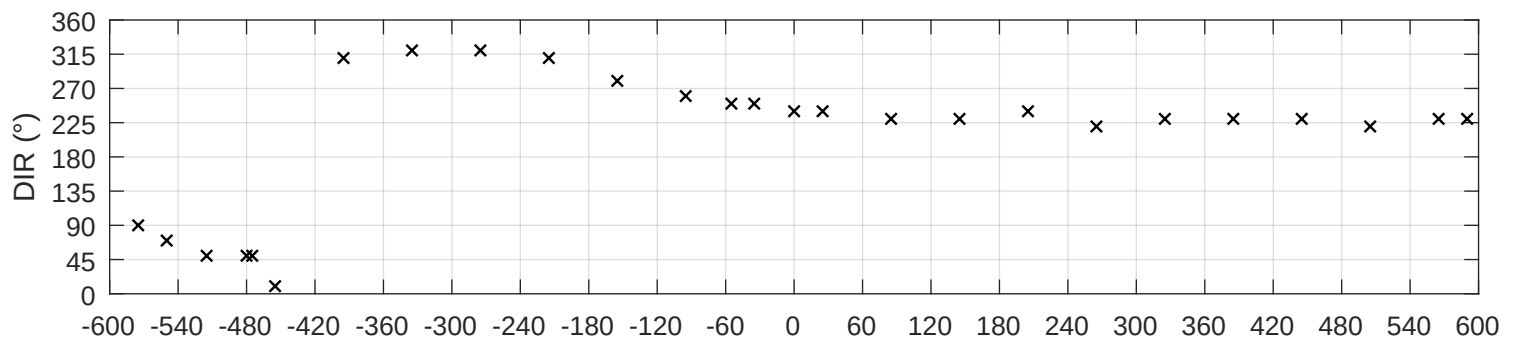
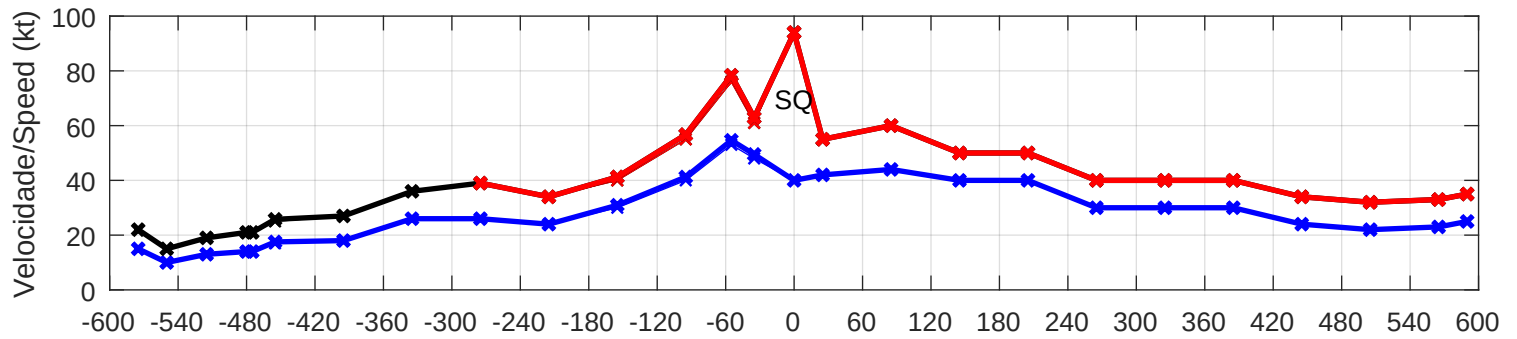
SUMU/86580 EVENTO/EVENT 6 - 21/04/1999, 01:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 95$ kt	$R_{-6} = 16.8$	$T_{med,3} = 13.0$ °C	$DIR = 80^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 85$ kt	$R_{-3} = 15.0$	$\Delta T_{min,3} = -2.0$ °C	$\Delta DIR_{max,-3} = 30^\circ$		SUSPECT
$G_V = []$	$R_{+3} = 14.3$	$\Delta Q_{max,3} = 0.0$ hPa	$\Delta DIR_{max,+3} = 60^\circ$		(324)
$G_{cor} = 95.0$ kt	$R_{+6} = 13.6$	Δ Grupo/Group = 3	METAR SUMU 210100Z 08085KT 6000 FEW200 11/11 Q1016		
$V_{cor} = 85.0$ kt					



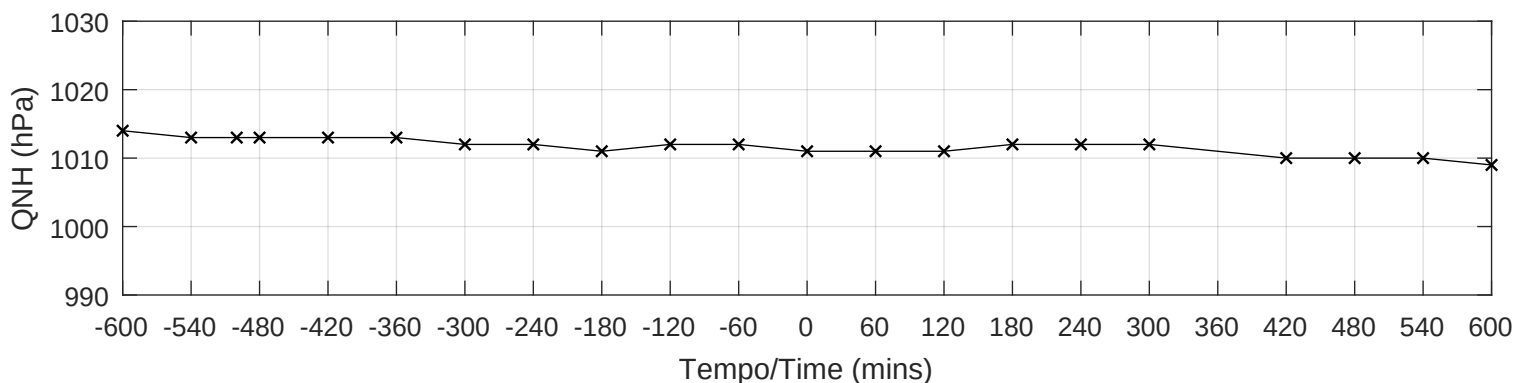
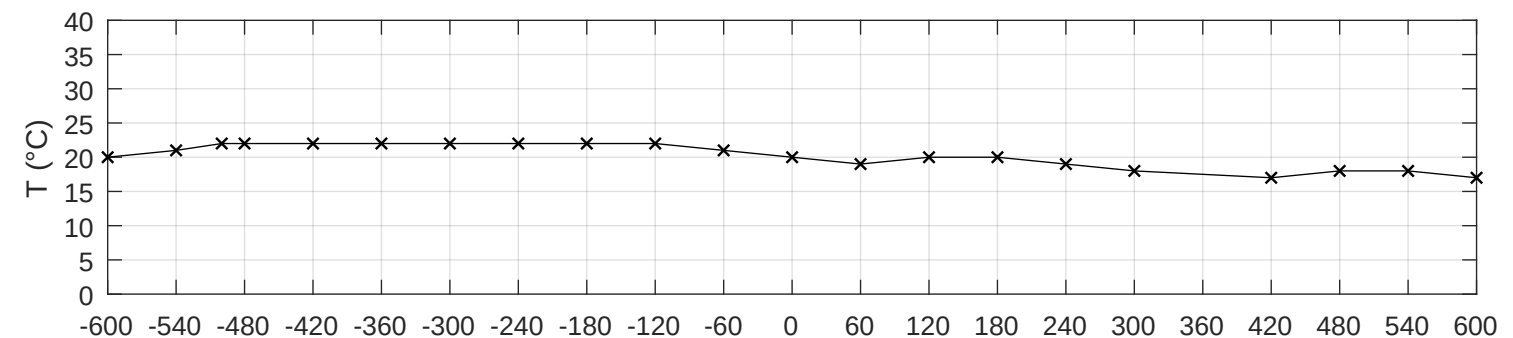
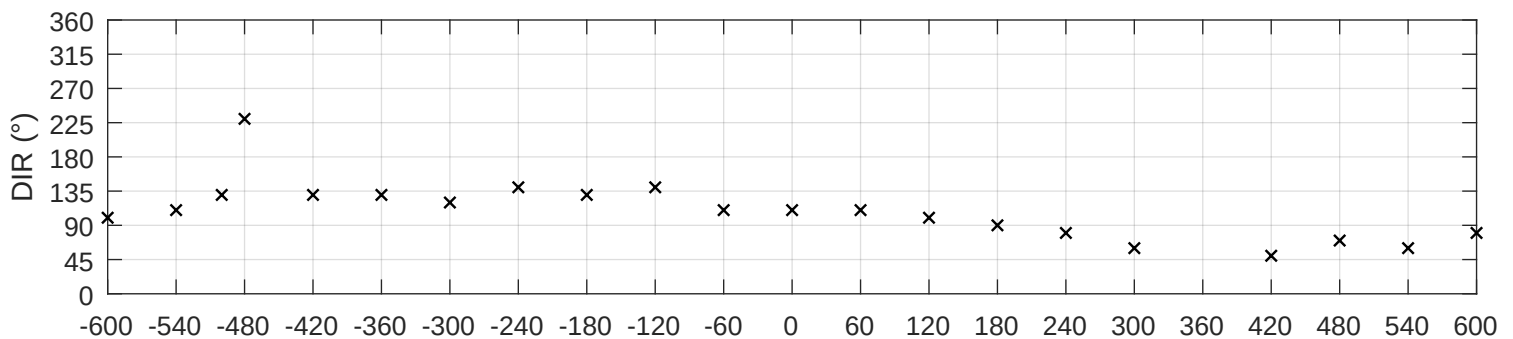
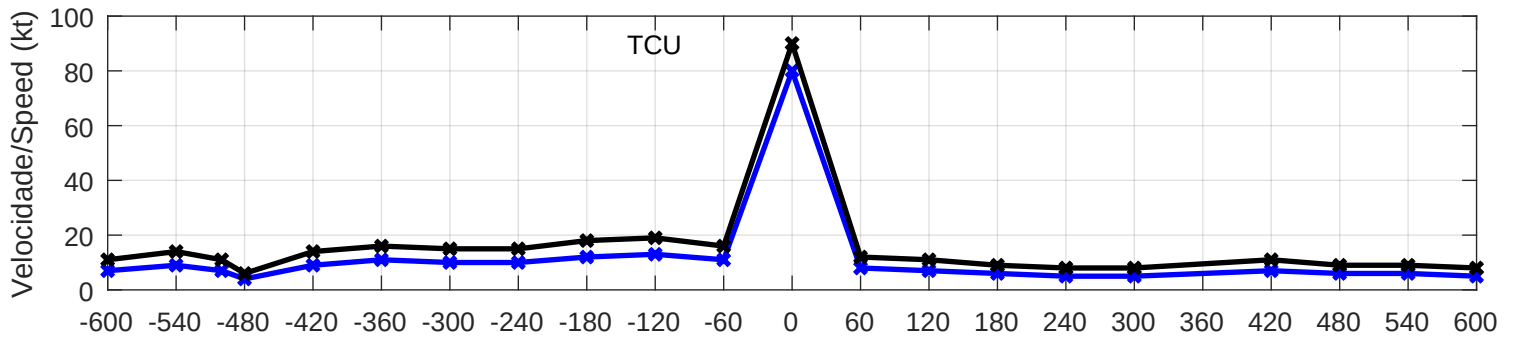
SUMU/86580 EVENTO/EVENT 7 - 24/08/2005, 01:35 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 94 \text{ kt}$	$R_{-6} = 2.1$	$T_{med,3} = 14.0 \text{ }^{\circ}\text{C}$	$DIR = 240^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 40 \text{ kt}$	$R_{-3} = 1.8$	$\Delta T_{min,3} = -2.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 40^{\circ}$		SYNOPTIC
$G_V = 2.4$	$R_{+3} = 1.7$	$\Delta Q_{max,3} = 9.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(212)
$G_{cor} = 94.0 \text{ kt}$	$R_{+6} = 1.9$	$\Delta \text{ Grupo/Group} = 1$	SUMU 240135Z 24040G94KT 3000 SQ +RA OVC006 12/12 Q0999=		
$V_{cor} = 40.0 \text{ kt}$					



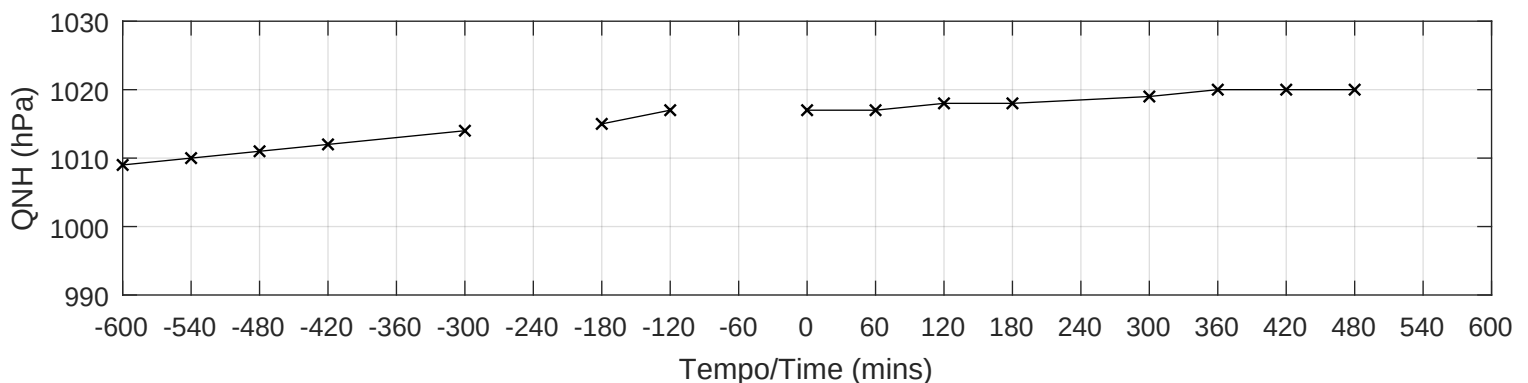
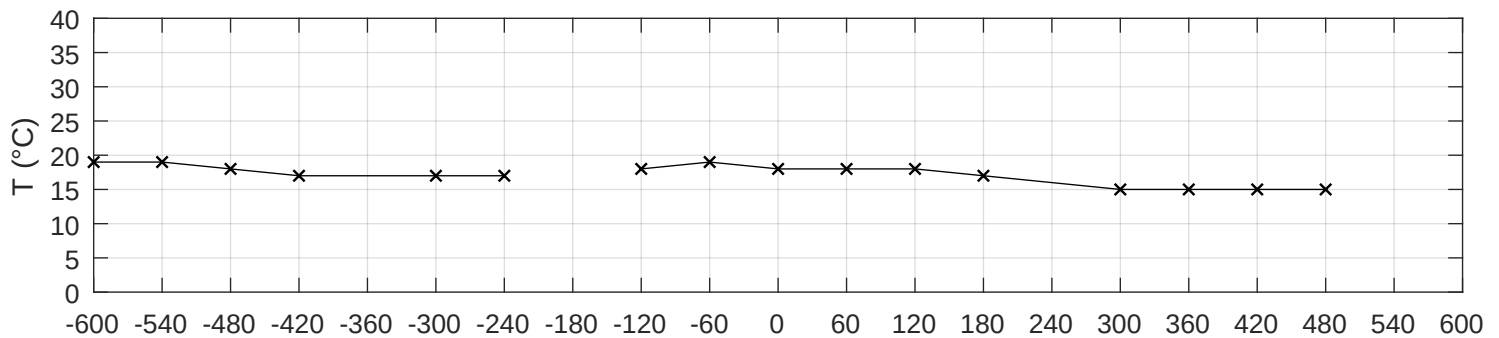
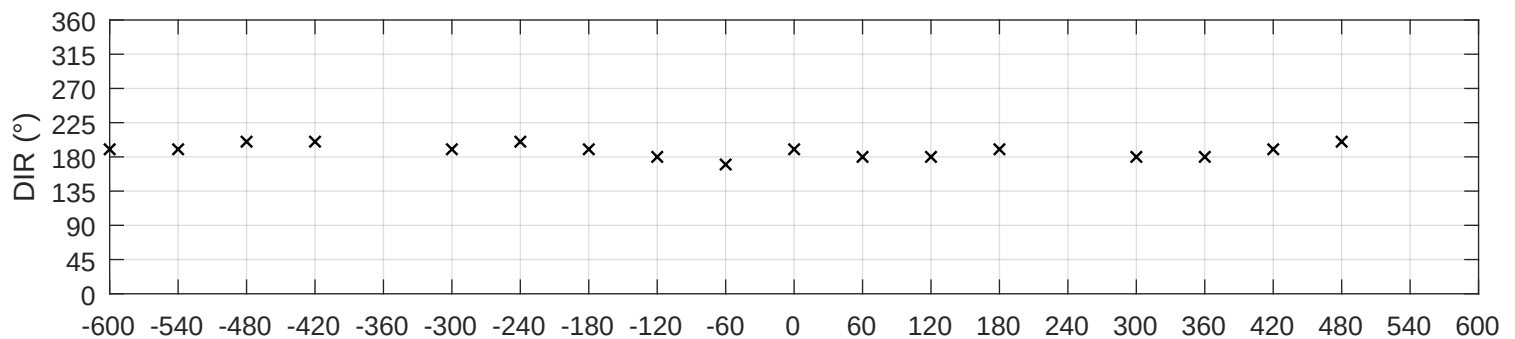
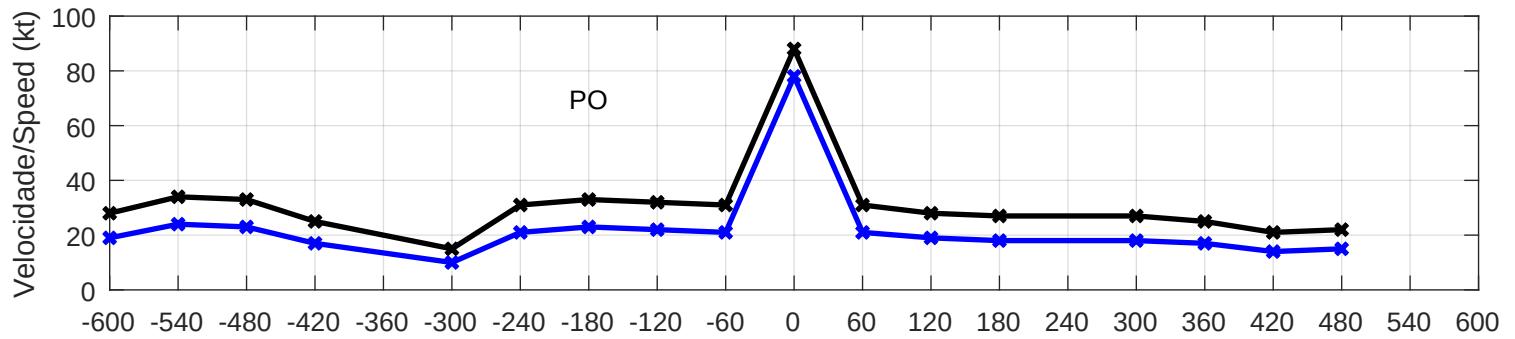
SUMU/86580 EVENTO/EVENT 8 - 26/11/2004, 22:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 90$ kt	$R_{-6} = 5.5$	$T_{med,3} = 21.7$ °C	$DIR = 110^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 80$ kt	$R_{-3} = 5.1$	$\Delta T_{min,3} = -3.0$ °C	$\Delta DIR_{max,-3} = 30^\circ$		SUSPECT
$G_V = []$	$R_{+3} = 8.4$	$\Delta Q_{max,3} = 0.0$ hPa	$\Delta DIR_{max,+3} = 20^\circ$		(324)
$G_{cor} = 90.0$ kt	$R_{+6} = 9.4$	Δ Grupo/Group = 3	METAR SUMU 262200Z 11080KT CAVOK 20/17 Q1011		
$V_{cor} = 80.0$ kt					



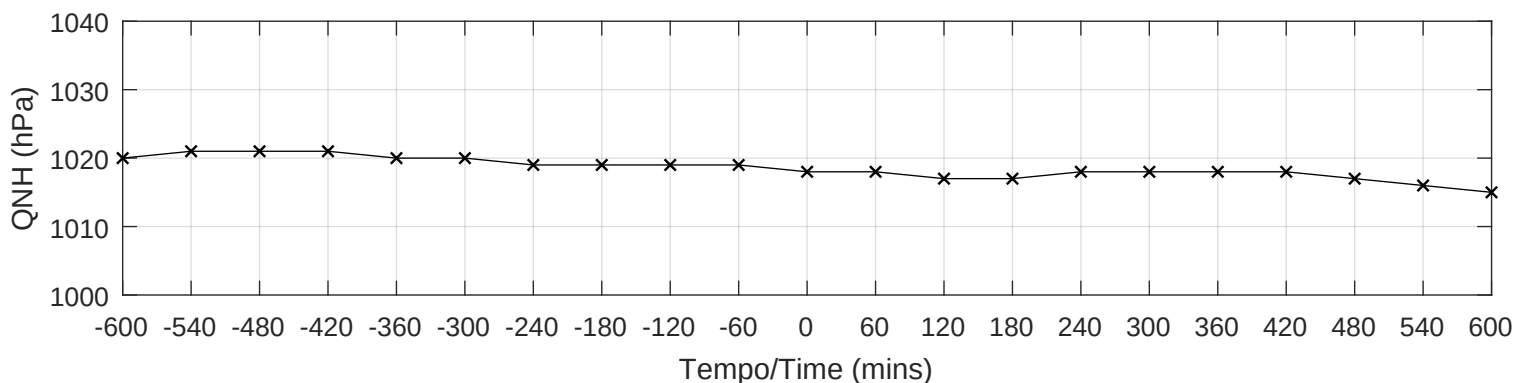
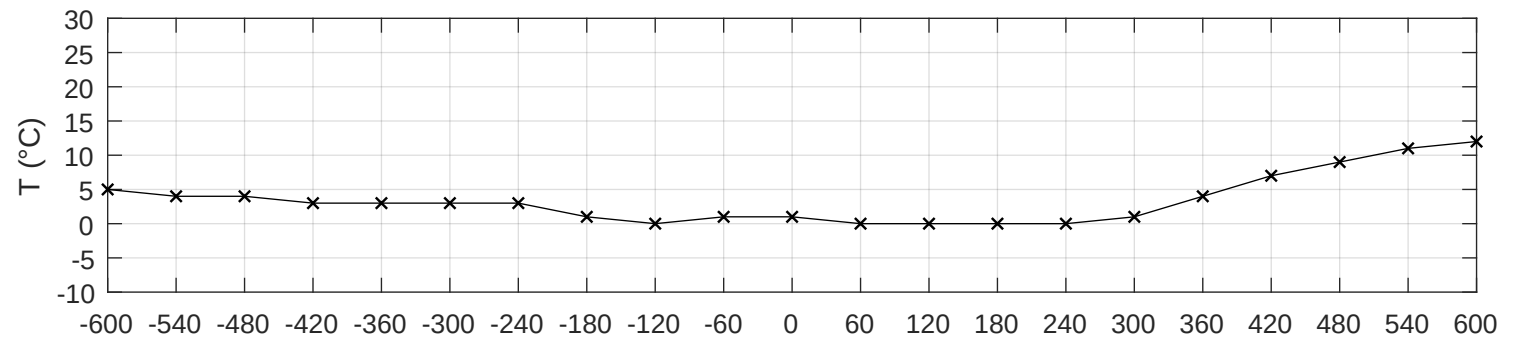
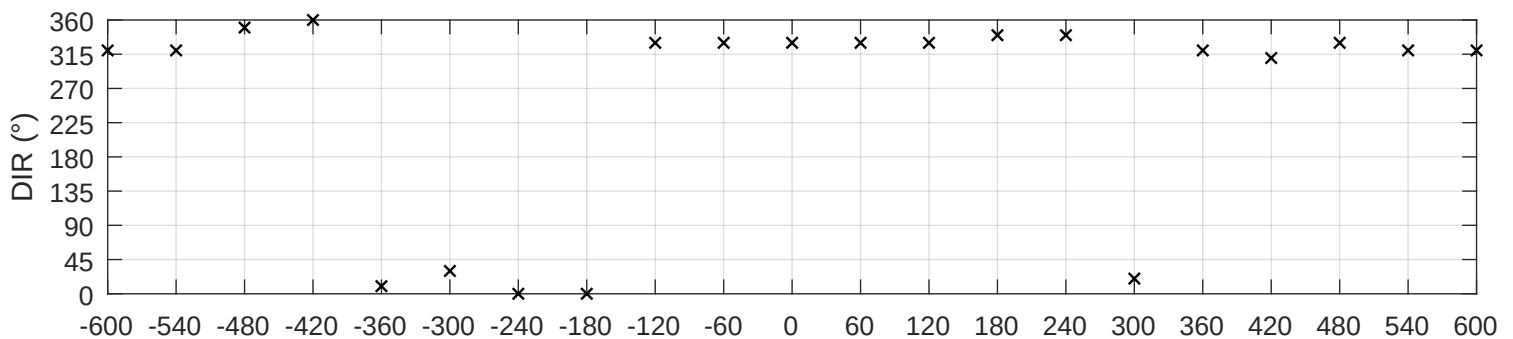
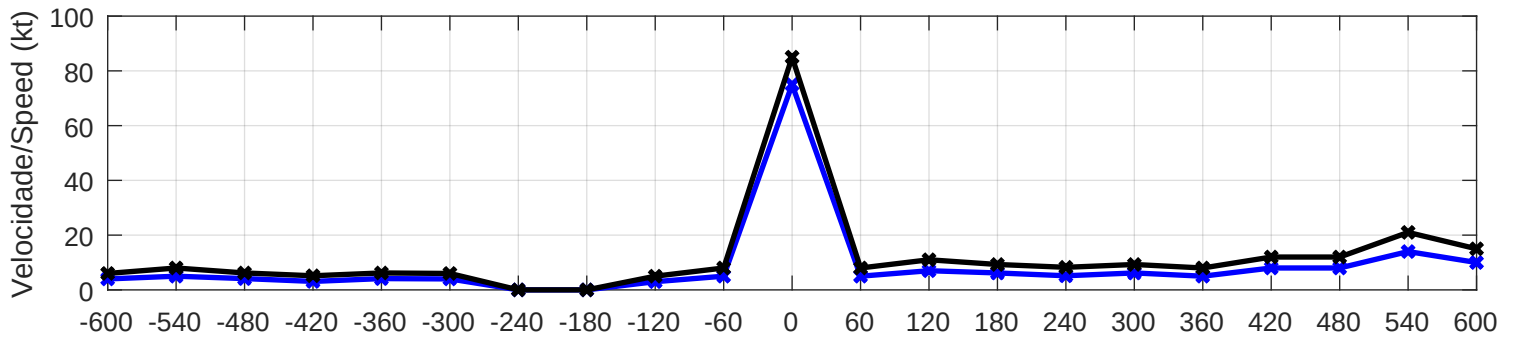
SUMU/86580 EVENTO/EVENT 9 - 10/03/1998, 18:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 88 \text{ kt}$	$R_{-6} = 3.1$	$T_{\text{med},3} = 18.5 \text{ }^{\circ}\text{C}$	$\text{DIR} = 190^{\circ}$	NÃO/NO	SUSPEITO
$V_{\text{obs}} = 78 \text{ kt}$	$R_{-3} = 2.8$	$\Delta T_{\text{min},3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta \text{DIR}_{\text{max},-3} = 20^{\circ}$		SUSPECT
$G_V = []$	$R_{+3} = 3.1$	$\Delta Q_{\text{max},3} = 0.0 \text{ hPa}$	$\Delta \text{DIR}_{\text{max},+3} = 10^{\circ}$		(325)
$G_{\text{cor}} = 88.0 \text{ kt}$	$R_{+6} = 3.2$	$\Delta \text{Grupo/Group} = 3$	METAR SUMU 101800Z 19078KT 9999 ('':5026 18/07 Q1017 NOSIG		
$V_{\text{cor}} = 78.0 \text{ kt}$					



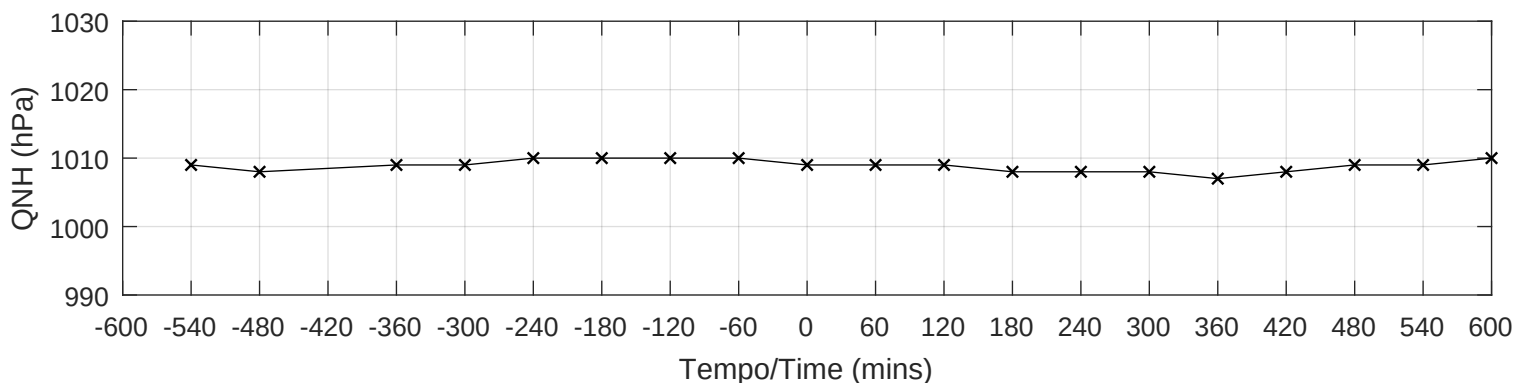
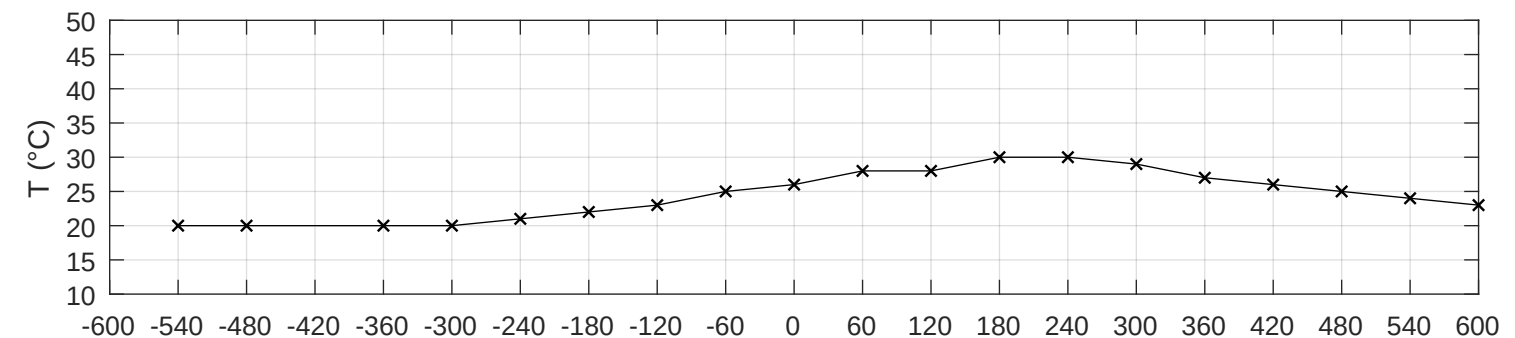
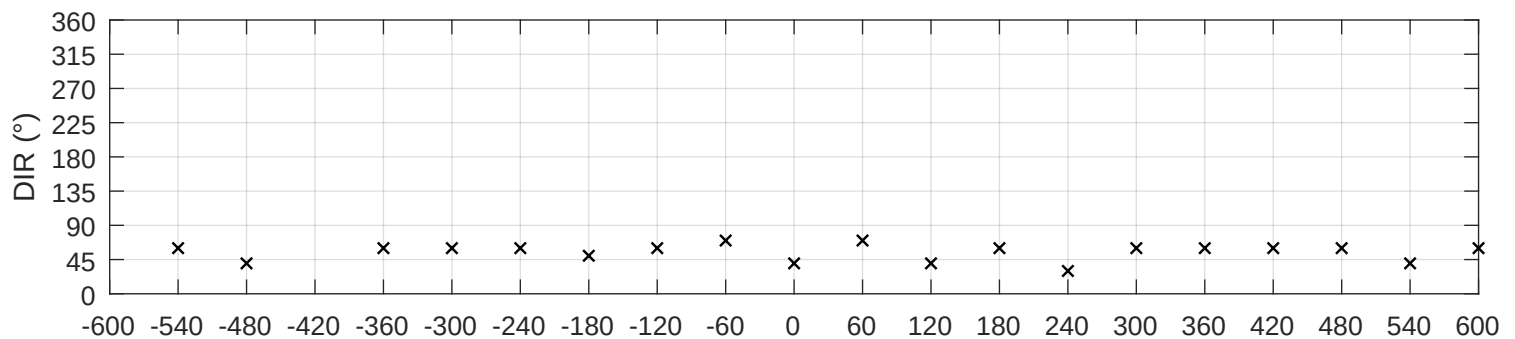
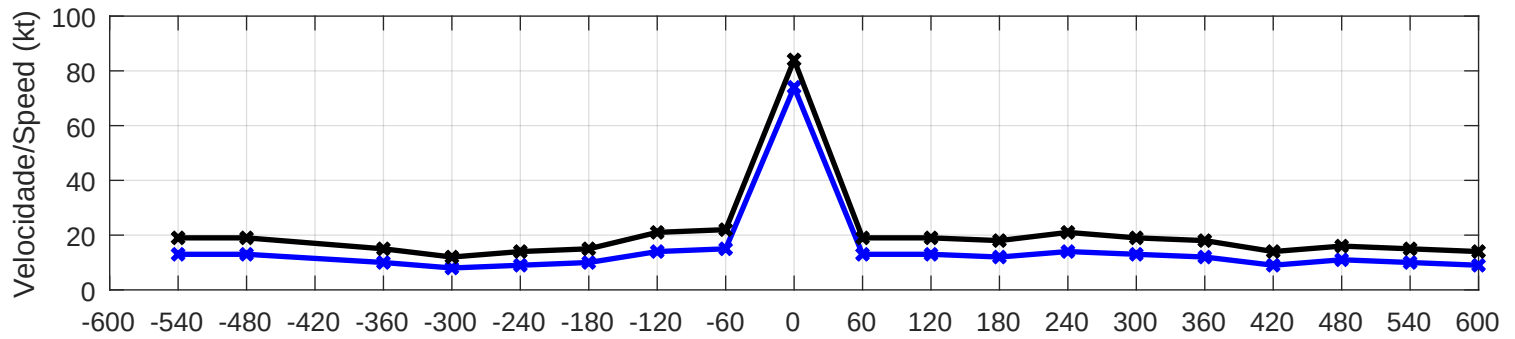
SUMU/86580 EVENTO/EVENT 10 - 25/06/2018, 07:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 85$ kt	$R_{-6} = 20.4$	$T_{med,3} = 0.7$ °C	$DIR = 330^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 75$ kt	$R_{-3} = 19.6$	$\Delta T_{min,3} = 0.0$ °C	$\Delta DIR_{max,-3} = 0^\circ$		SUSPECT
$G_V = []$	$R_{+3} = 9.1$	$\Delta Q_{max,3} = 0.0$ hPa	$\Delta DIR_{max,+3} = 10^\circ$		(324)
$G_{cor} = 85.0$ kt	$R_{+6} = 9.6$	Δ Grupo/Group = 3	METAR SUMU 250700Z 33075KT 6000 NSC 01/M02 Q1018 TEMPO BR=		
$V_{cor} = 75.0$ kt					

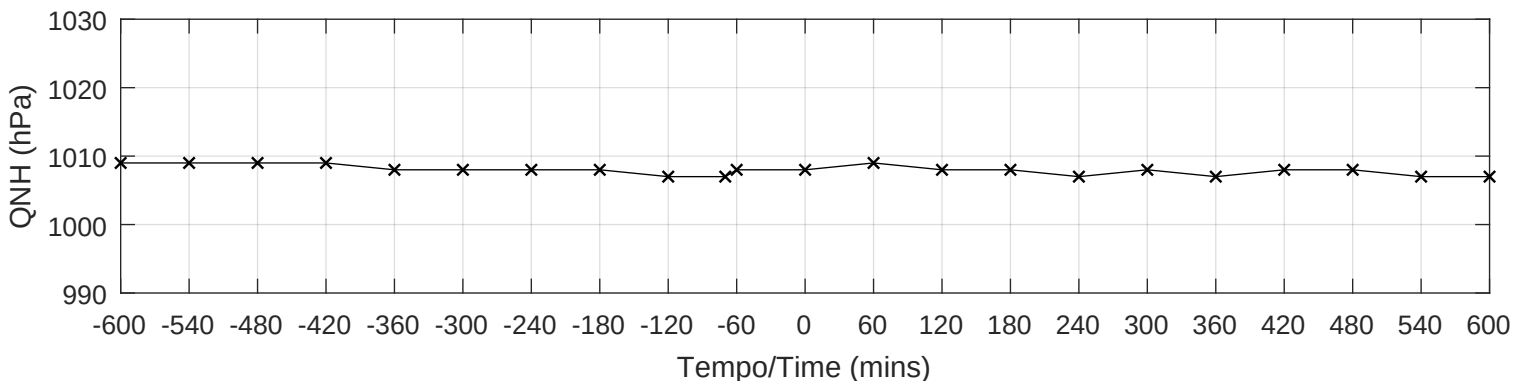


SUMU/86580 EVENTO/EVENT 11 - 18/02/1998, 15:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press. Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 84 \text{ kt}$	$R_{-6} = 5.1$	$T_{\text{med},3} = 23.3 \text{ }^\circ\text{C}$	$\text{DIR} = 40^\circ$	NÃO/NO
$V_{\text{obs}} = 74 \text{ kt}$	$R_{-3} = 4.3$	$\Delta T_{\text{min},3} = 0.0 \text{ }^\circ\text{C}$	$\Delta \text{DIR}_{\text{max},-3} = 30^\circ$	SUSPEITO
$G_V = []$	$R_{+3} = 4.5$	$\Delta Q_{\text{max},3} = 0.0 \text{ hPa}$	$\Delta \text{DIR}_{\text{max},+3} = 30^\circ$	SUSPECT
$G_{\text{cor}} = 84.0 \text{ kt}$	$R_{+6} = 4.4$	$\Delta \text{Grupo/Group} = 3$	METAR SUMU 181500Z 04074KT 9999 FEW023 BKN200 26/18 Q1009	(324)
$V_{\text{cor}} = 74.0 \text{ kt}$				

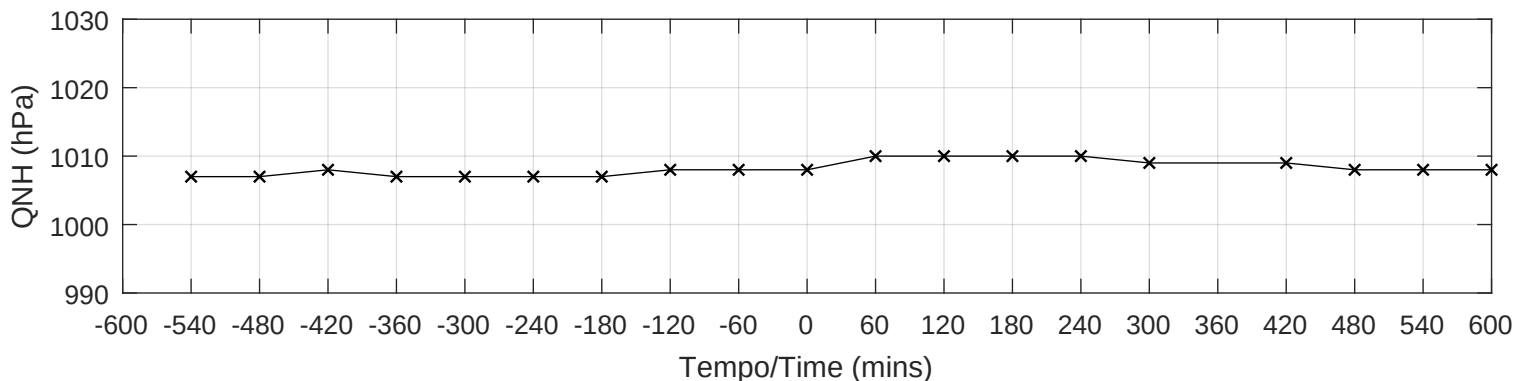
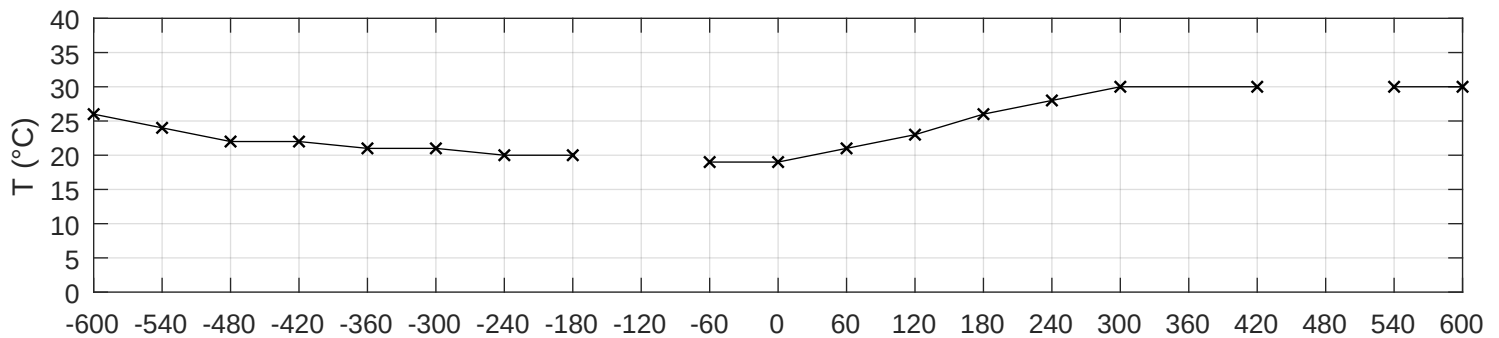
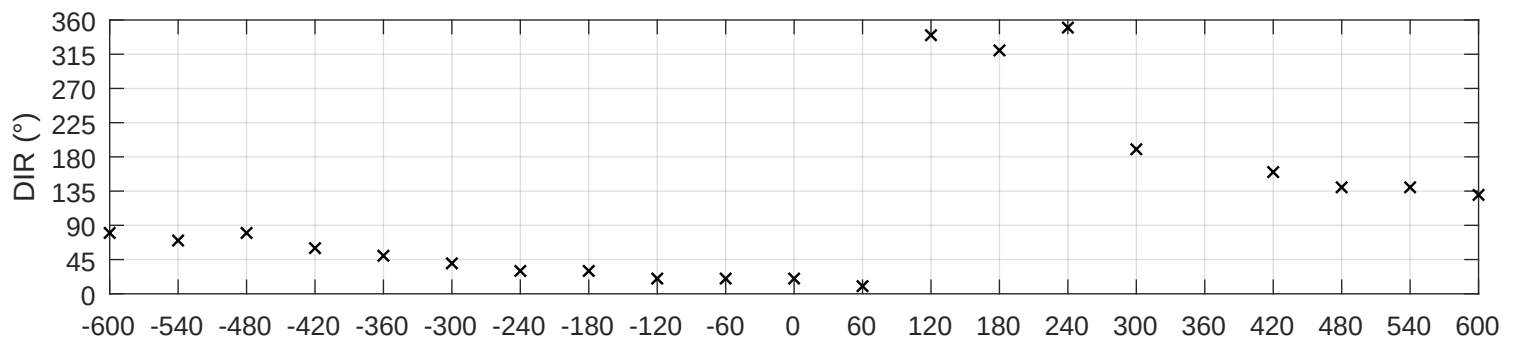
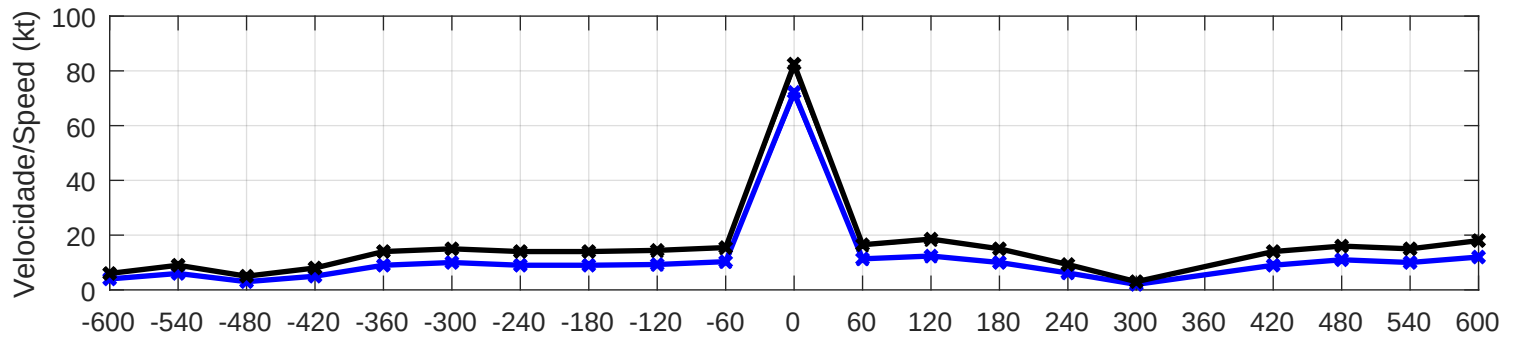


Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
G* = 81 kt	R ₋₆ = 5.9	T _{med,3} = 25.9 °C	DIR = 20°	SIM/YES	SUSPEITO
V _{obs} = 71 kt	R ₋₃ = 5.2	ΔT _{min,3} = -4.0 °C	ΔDIR _{max,-3} = 170°		SUSPECT
G _V = []	R ₊₃ = 6.9	ΔQ _{max,3} = 2.0 hPa	ΔDIR _{max,+3} = 40°		(320)
G _{cor} = 83.5 kt	R ₊₆ = 6.2	Δ Grupo/Group = 2	METAR SUMU 172100Z 02071KT 9999 TS BKN020 FEW040CB BKN200 22/21 Q1008		
V _{cor} = 73.2 kt					



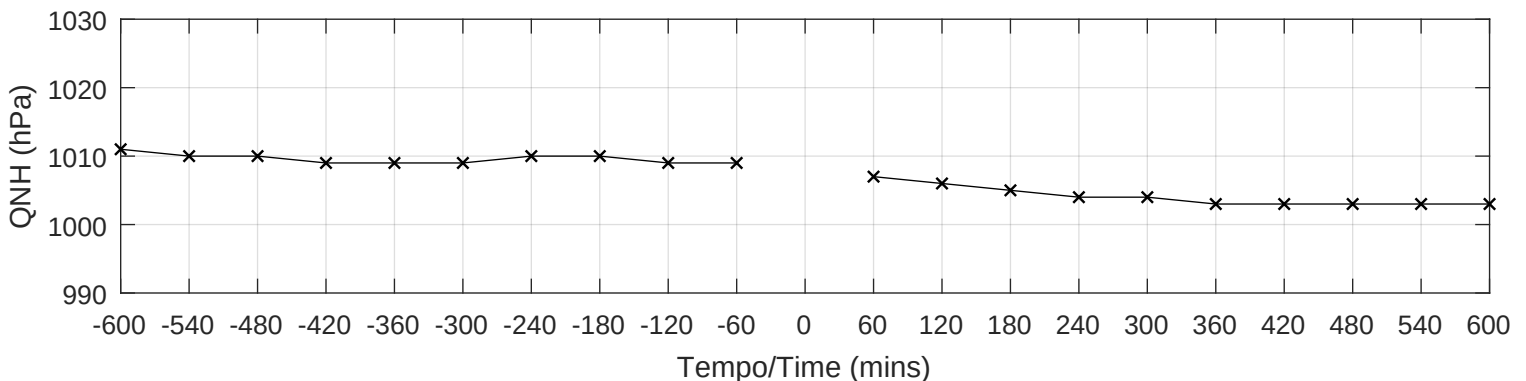
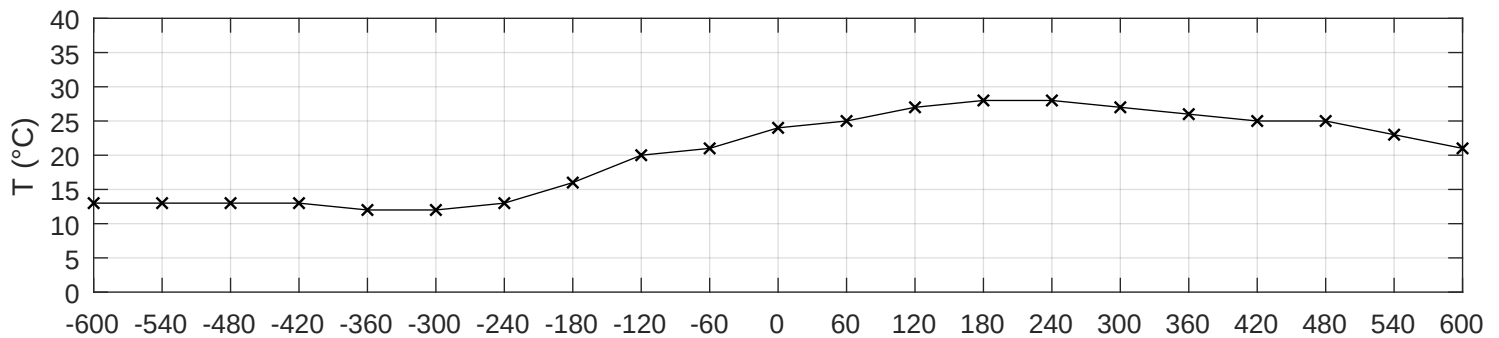
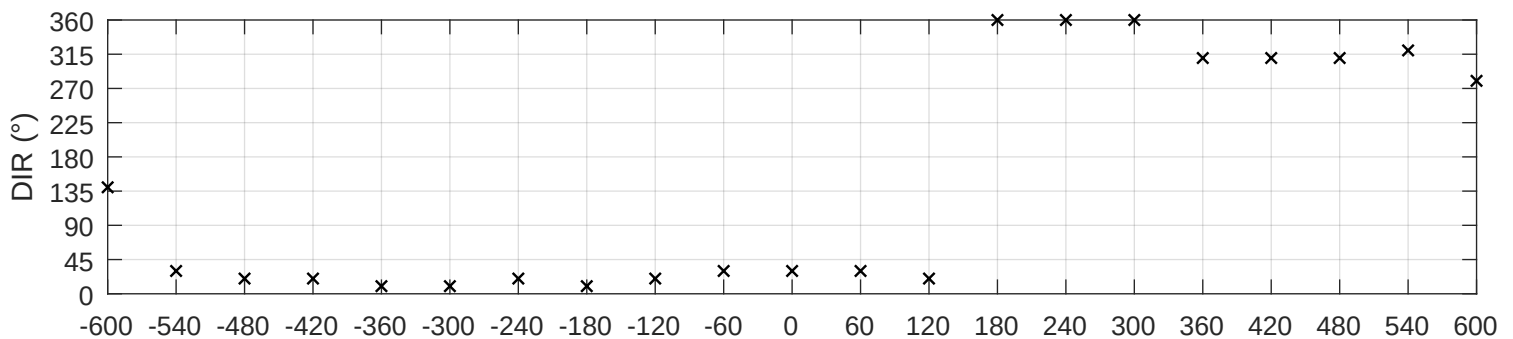
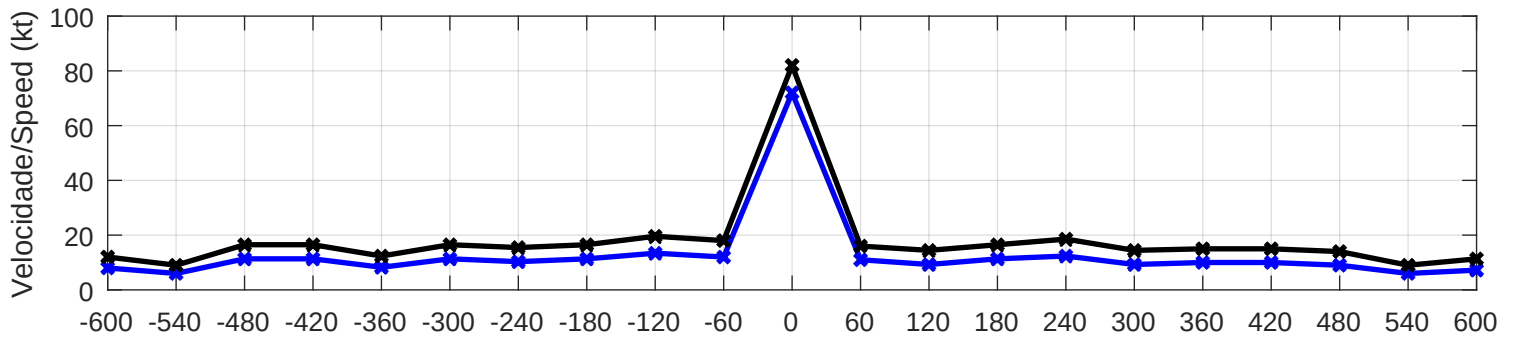
SUMU/86580 EVENTO/EVENT 13 - 23/12/1996, 09:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 80$ kt	$R_{-6} = 5.6$	$T_{med,3} = 19.5$ °C	$DIR = 20^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 70$ kt	$R_{-3} = 5.6$	$\Delta T_{min,3} = 0.0$ °C	$\Delta DIR_{max,-3} = 10^\circ$		SUSPECT
$G_V = []$	$R_{+3} = 4.9$	$\Delta Q_{max,3} = 2.0$ hPa	$\Delta DIR_{max,+3} = 60^\circ$		(324)
$G_{cor} = 82.5$ kt	$R_{+6} = 6.6$	Δ Grupo/Group = 3	METAR SUMU 230900Z 02070KT CAVOK 19/18 Q1008		
$V_{cor} = 72.2$ kt					



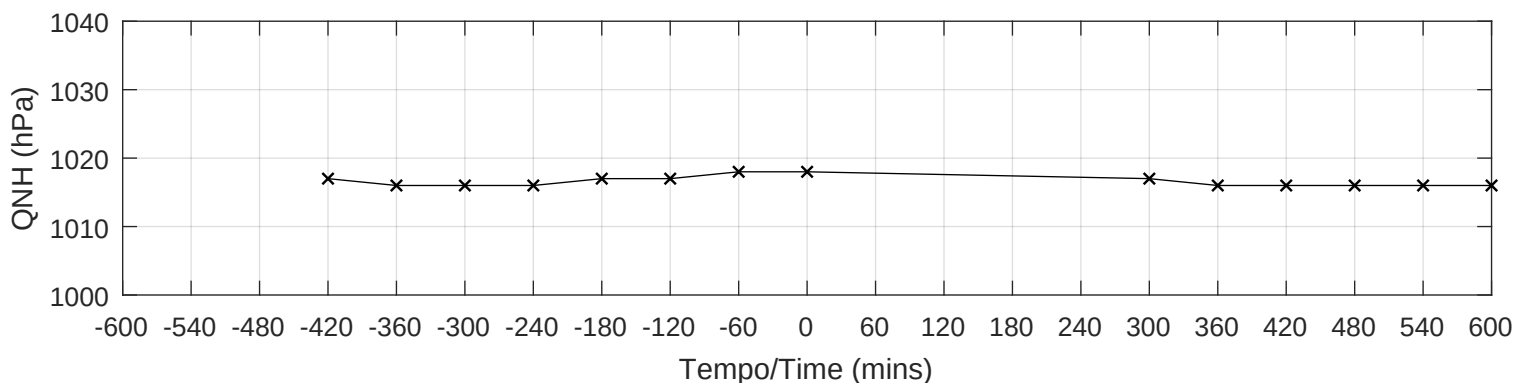
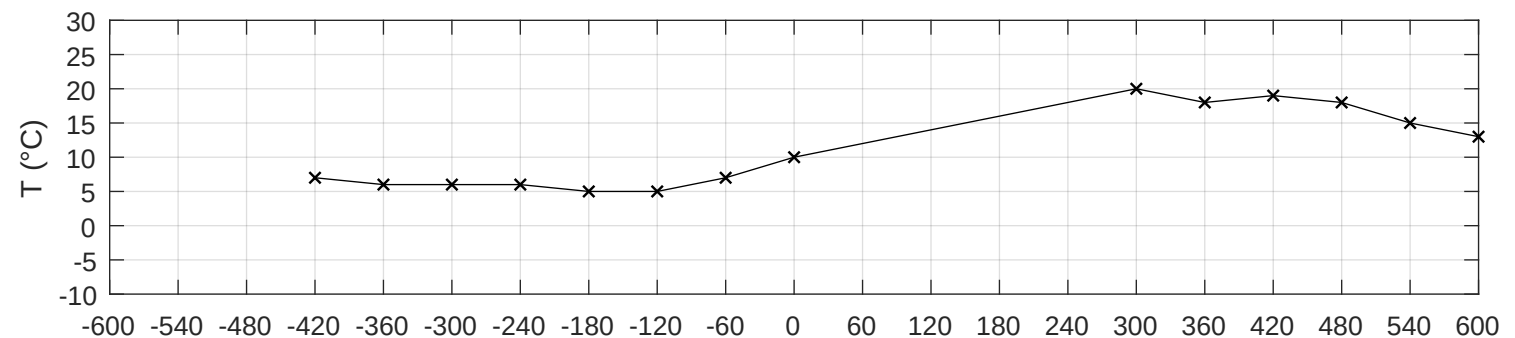
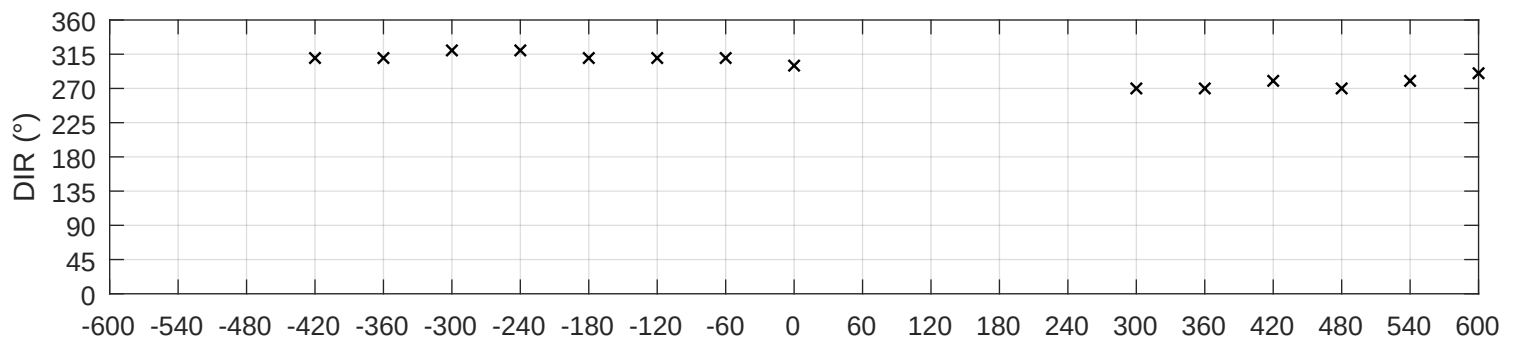
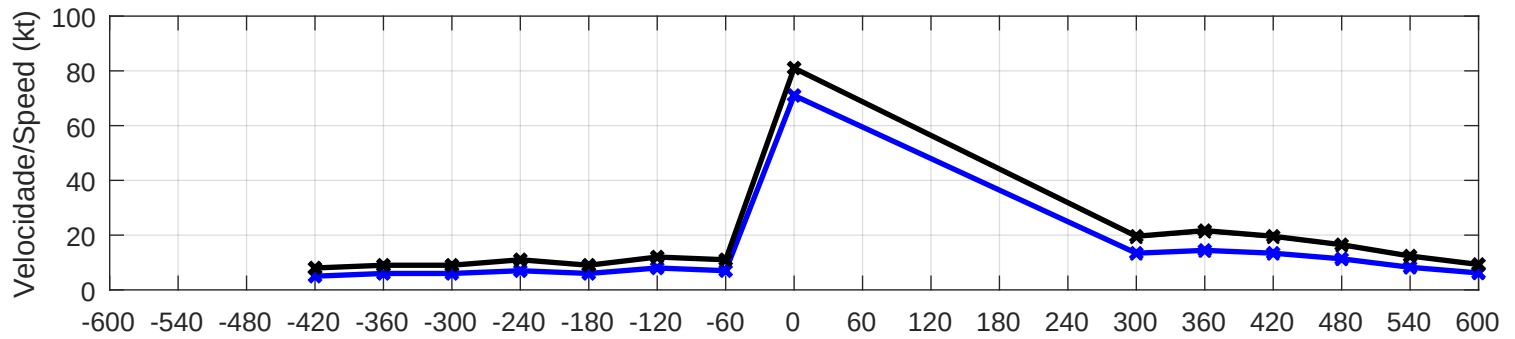
SUMU/86580 EVENTO/EVENT 14 - 21/12/2000, 14:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press. Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 82 \text{ kt}$	$R_{-6} = 5.1$	$T_{\text{med},3} = 19.0 \text{ }^\circ\text{C}$	$\text{DIR} = 30^\circ$	NÃO/NO
$V_{\text{obs}} = 72 \text{ kt}$	$R_{-3} = 4.6$	$\Delta T_{\text{min},3} = 0.0 \text{ }^\circ\text{C}$	$\Delta \text{DIR}_{\text{max},-3} = 20^\circ$	SUSPEITO
$G_V = []$	$R_{+3} = 5.3$	$\Delta Q_{\text{max},3} = 0.0 \text{ hPa}$	$\Delta \text{DIR}_{\text{max},+3} = 30^\circ$	SUSPECT
$G_{\text{cor}} = 82.0 \text{ kt}$	$R_{+6} = 5.3$	$\Delta \text{Grupo/Group} = 3$	METAR SUMU 211400Z 03072KT NAVOK 24/72 Q8008	(324)
$V_{\text{cor}} = 72.0 \text{ kt}$				



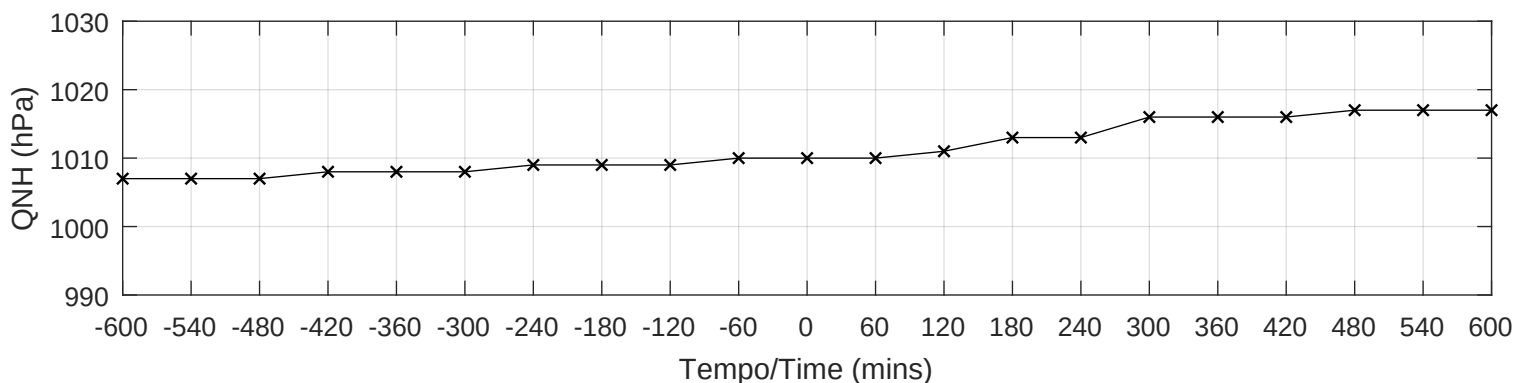
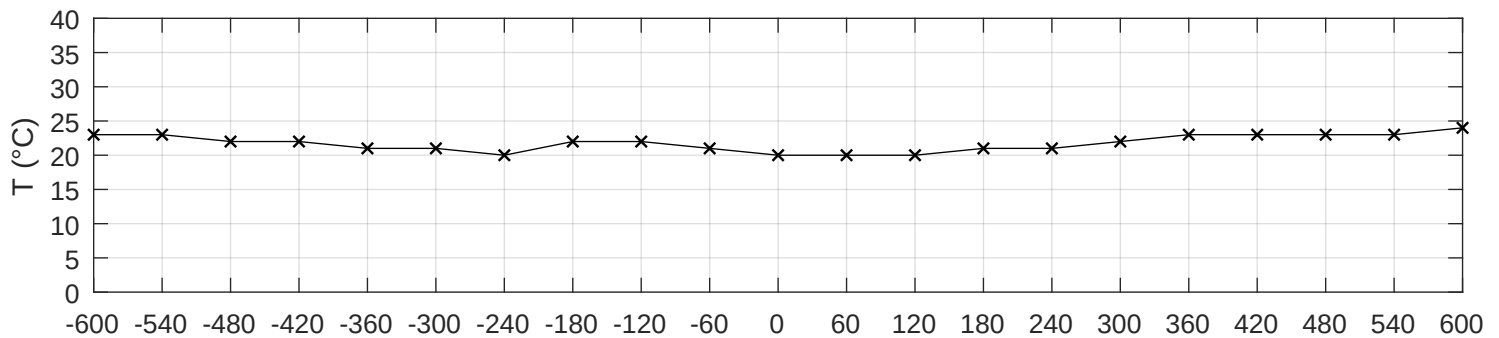
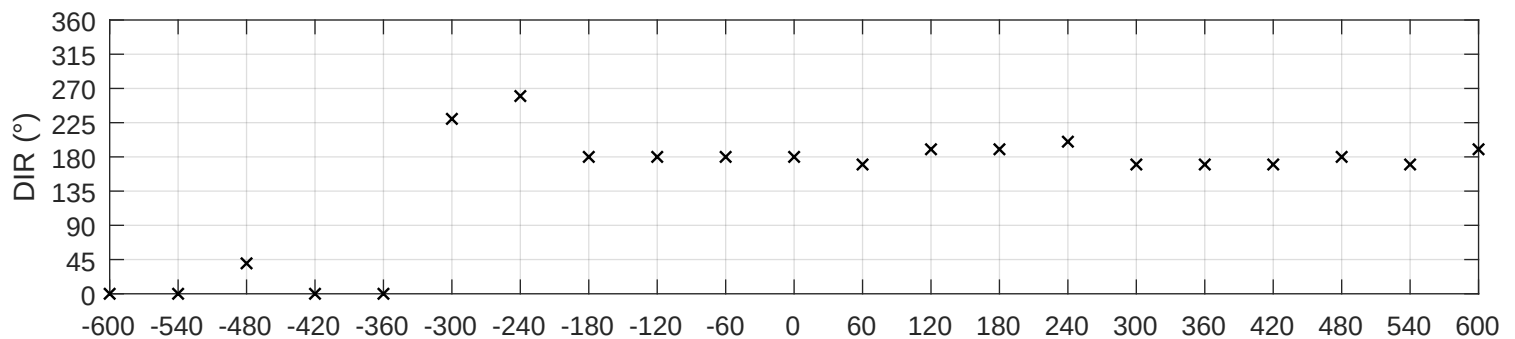
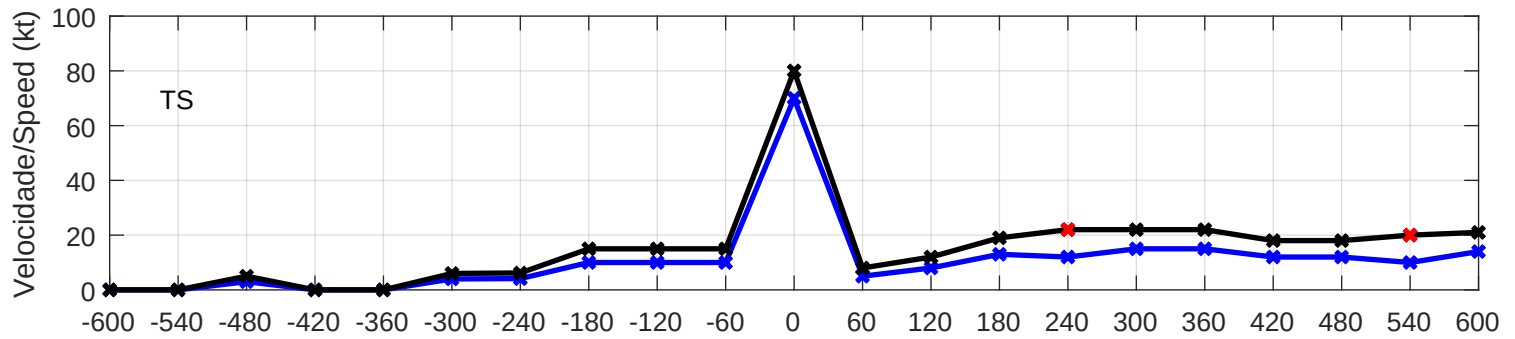
SUMU/86580 EVENTO/EVENT 15 - 28/08/1998, 12:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 81$ kt	$R_{-6} = 8.0$	$T_{med,3} = 5.7$ °C	$DIR = 300^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 71$ kt	$R_{-3} = 7.6$	$\Delta T_{min,3} = 0.0$ °C	$\Delta DIR_{max,-3} = 10^\circ$		SUSPECT
$G_V = []$	$R_{+3} = []$	$\Delta Q_{max,3} = 1.0$ hPa	$\Delta DIR_{max,+3} = []$		(324)
$G_{cor} = 81.0$ kt	$R_{+6} = 4.1$	Δ Grupo/Group = 3	METAR SUMU 281200Z 30071KT CAVOK 10/07 Q1018 NOSIG		
$V_{cor} = 71.0$ kt					

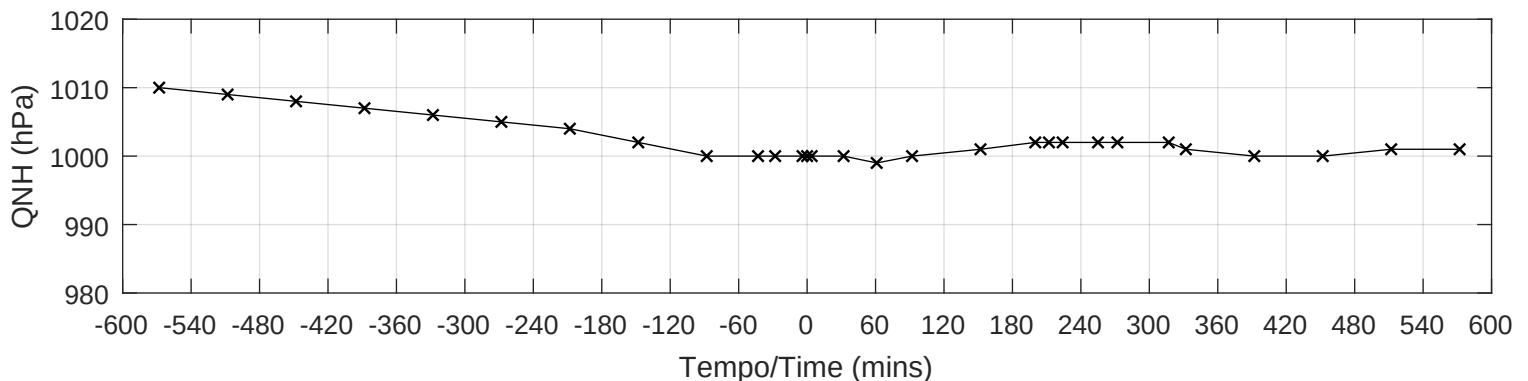


SUMU/86580 EVENTO/EVENT 16 - 15/12/2015, 07:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 80$ kt	$R_{-6} = 8.4$	$T_{med,3} = 21.7$ °C	$DIR = 180^\circ$	NÃO/NO	SUSPEITO
$V_{obs} = 70$ kt	$R_{-3} = 5.3$	$\Delta T_{min,3} = -2.0$ °C	$\Delta DIR_{max,-3} = 0^\circ$		SUSPECT
$G_V = []$	$R_{+3} = 6.2$	$\Delta Q_{max,3} = 1.0$ hPa	$\Delta DIR_{max,+3} = 10^\circ$		(320)
$G_{cor} = 80.0$ kt	$R_{+6} = 4.6$	Δ Grupo/Group = 2	METAR SUMU 150700Z 18070KT 9999 BKN013 20/18 Q1010 NOSIG=		
$V_{cor} = 70.0$ kt					

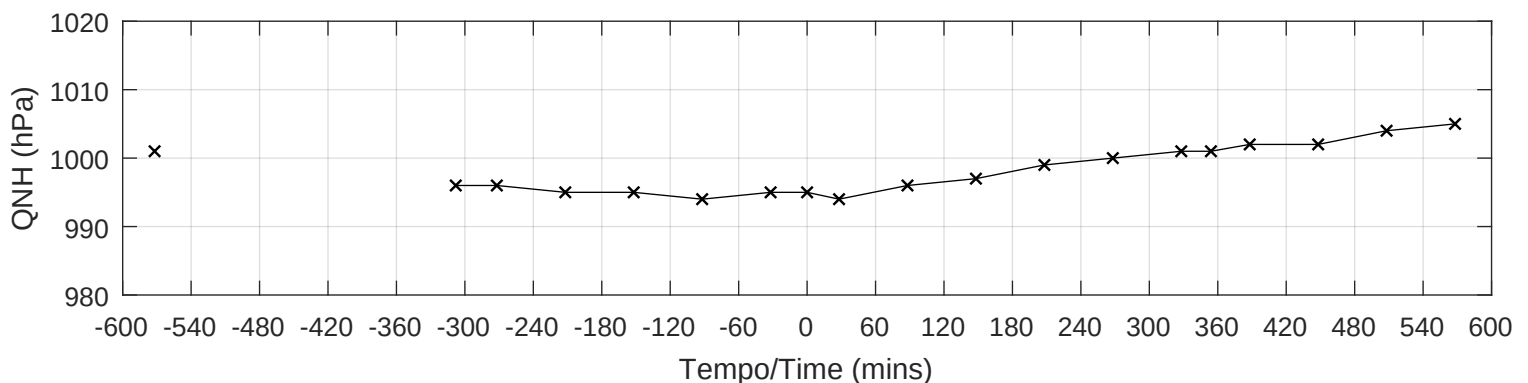
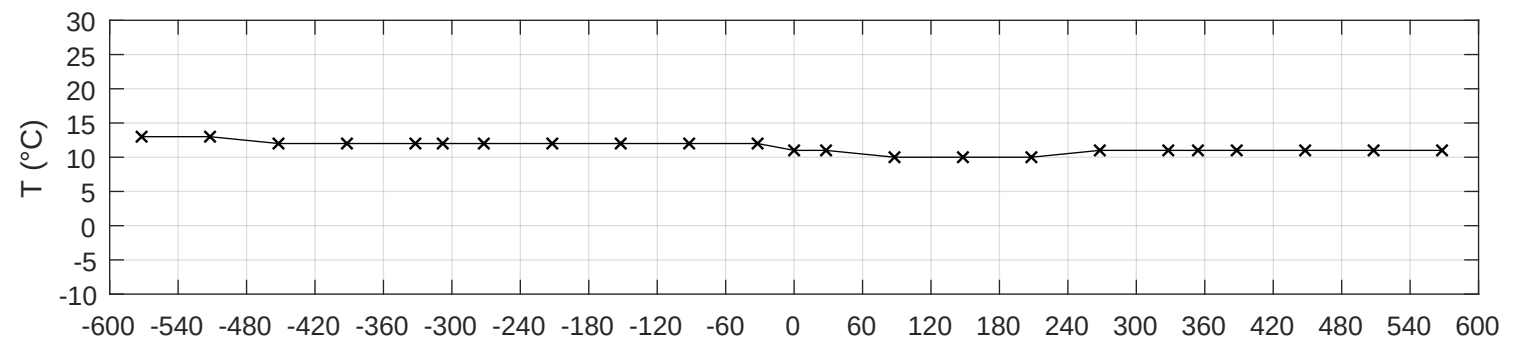
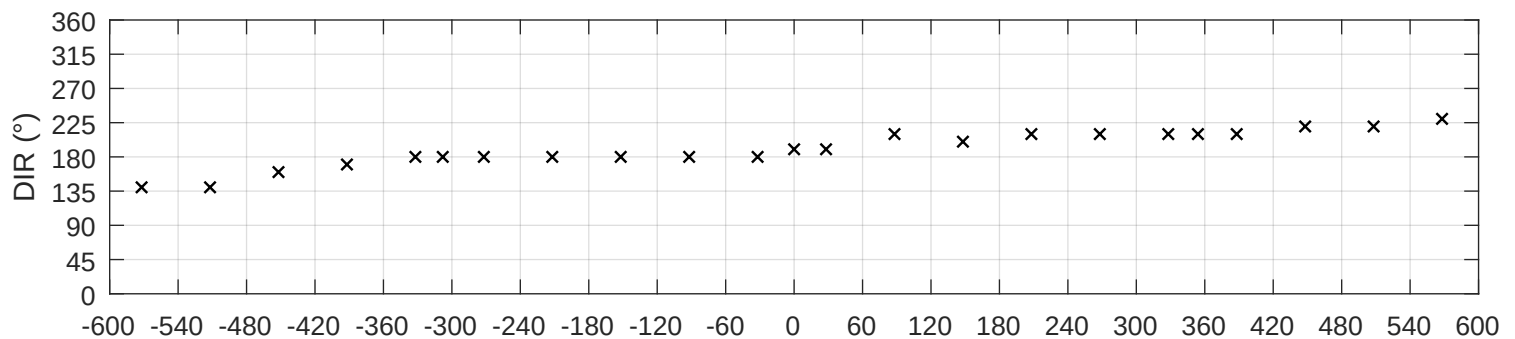
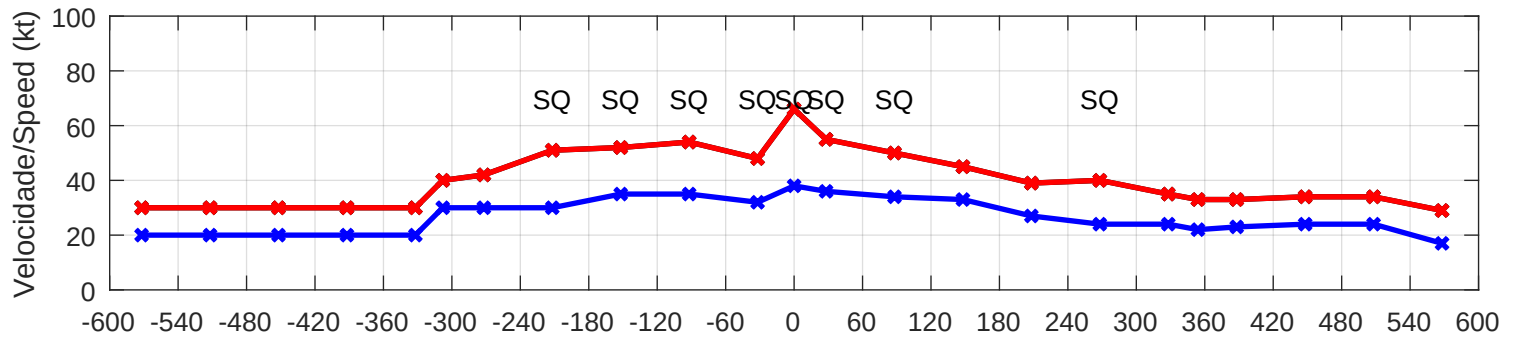


Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 66 \text{ kt}$	$R_{-6} = 6.4$	$T_{med,3} = 27.6 \text{ }^{\circ}\text{C}$	$DIR = 340^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 20 \text{ kt}$	$R_{-3} = 6.7$	$\Delta T_{min,3} = -5.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 80^{\circ}$		NON-SYNOPTIC
$G_v = 3.3$	$R_{+3} = 4.0$	$\Delta Q_{max,3} = 0.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 160^{\circ}$		(114)
$G_{cor} = 68.0 \text{ kt}$	$R_{+6} = 5.9$	$\Delta \text{ Grupo/Group} = 3$	SUMU 222128Z 34020G66KT 0300 R19/1100 R24/0900 +TSRA SCT026FEW040CB OVC060 24/24 Q1000=		
$V_{cor} = 20.6 \text{ kt}$					



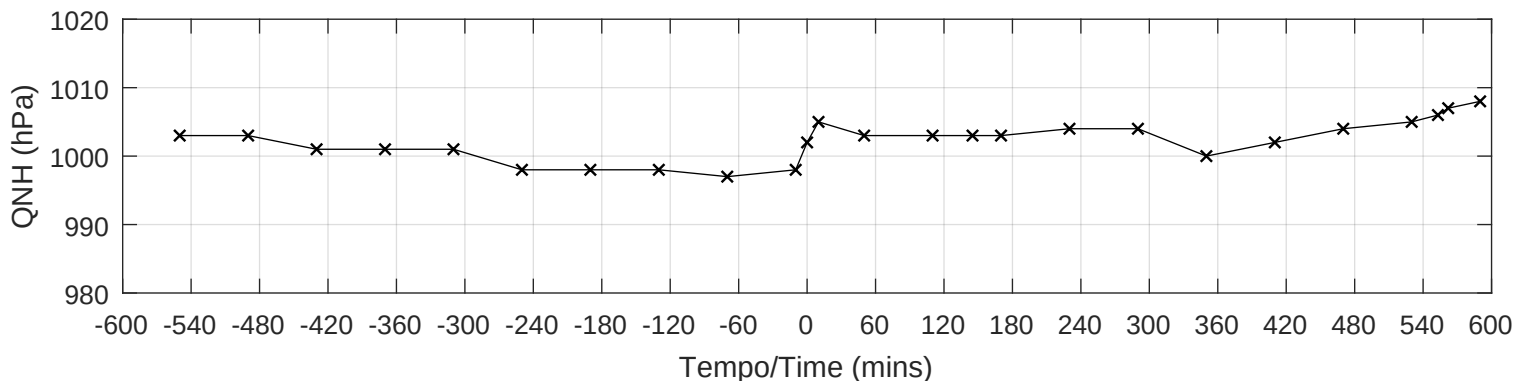
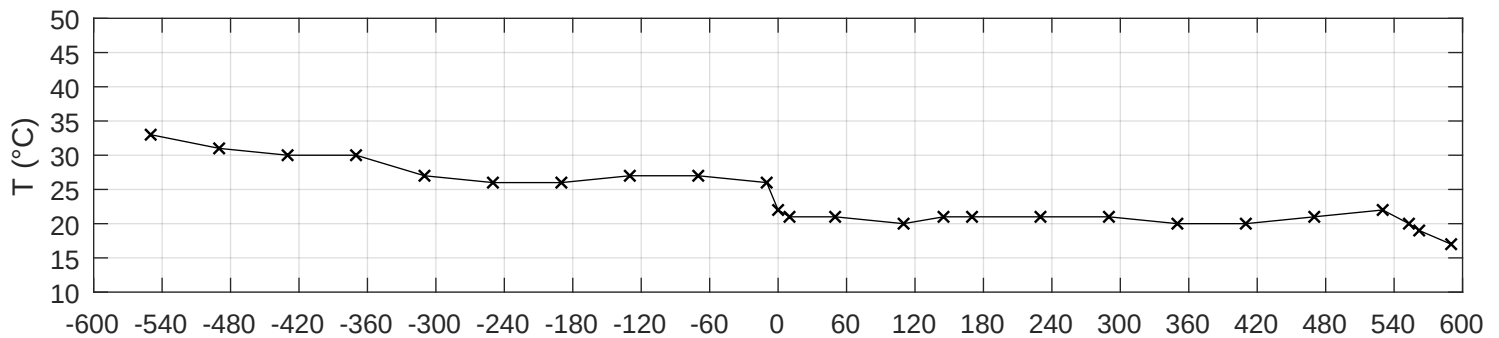
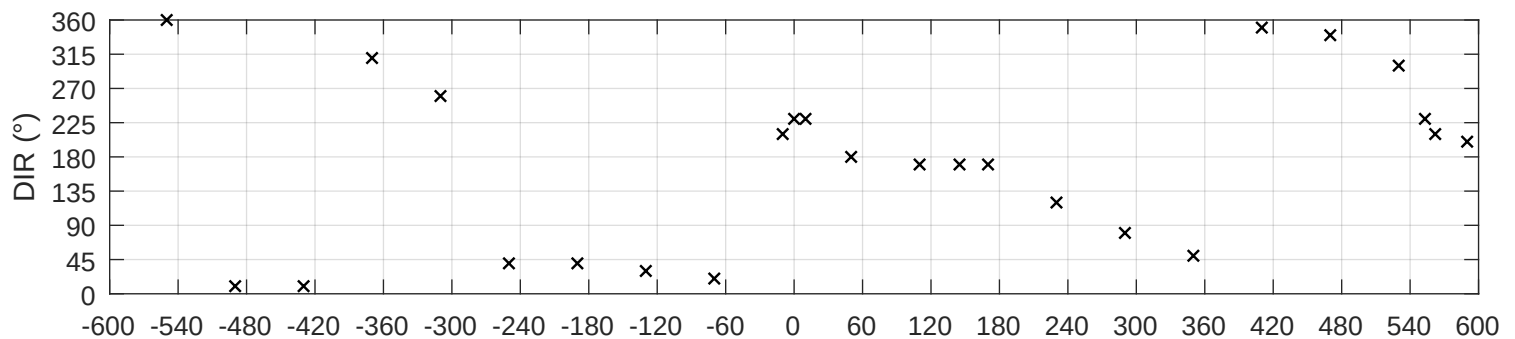
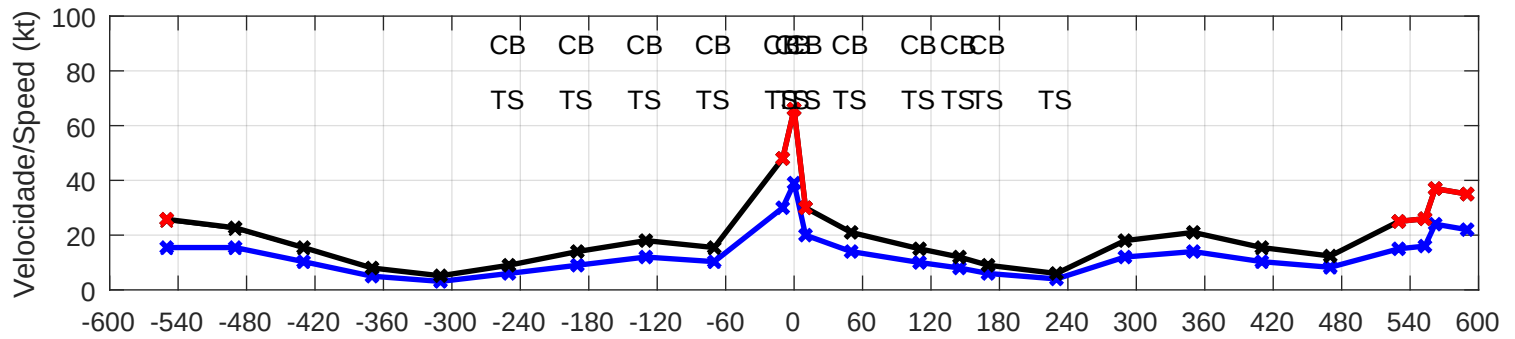
SUMU/86580 EVENTO/EVENT 18 - 19/09/2012, 15:32 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 66 \text{ kt}$	$R_{-6} = 1.4$	$T_{med,3} = 12.0 \text{ }^{\circ}\text{C}$	$DIR = 190^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 38 \text{ kt}$	$R_{-3} = 1.3$	$\Delta T_{min,3} = -1.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 1.7$	$R_{+3} = 1.3$	$\Delta Q_{max,3} = 1.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 20^{\circ}$		(215)
$G_{cor} = 66.0 \text{ kt}$	$R_{+6} = 1.5$	$\Delta \text{ Grupo/Group} = 3$	SPECI SUMU 191532Z 19038G66KT 2500 RA SQ BKN013 OVC019 11/11Q0995 WS RWY19=		
$V_{cor} = 38.0 \text{ kt}$					



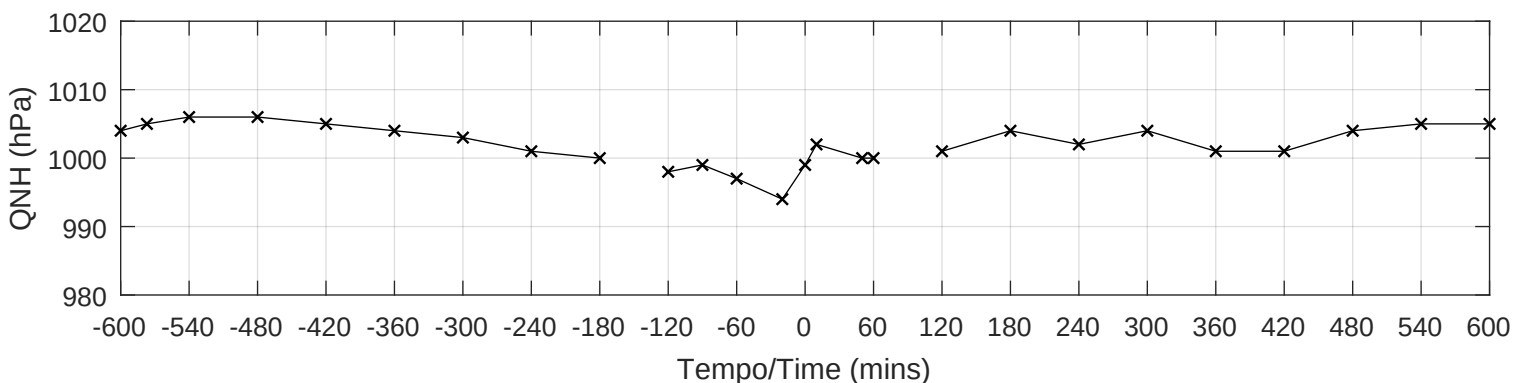
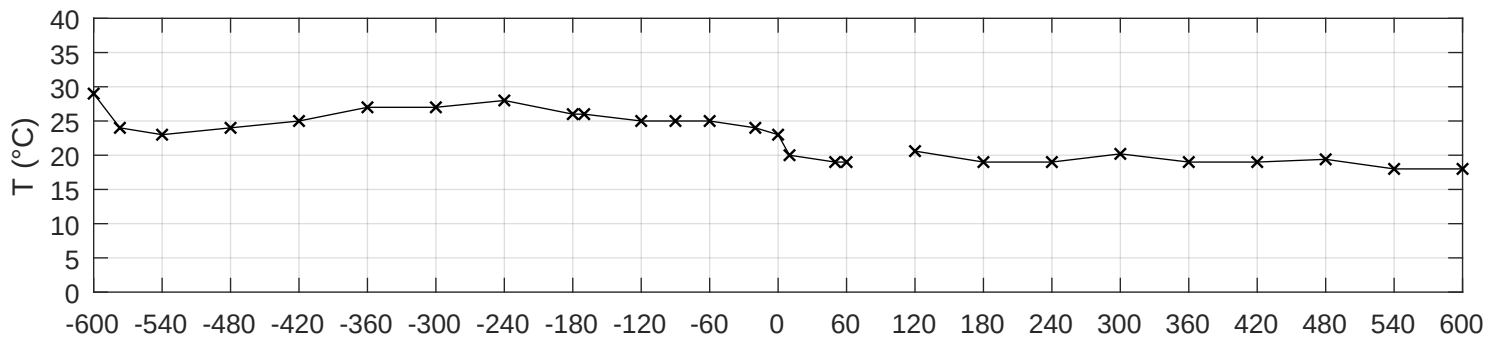
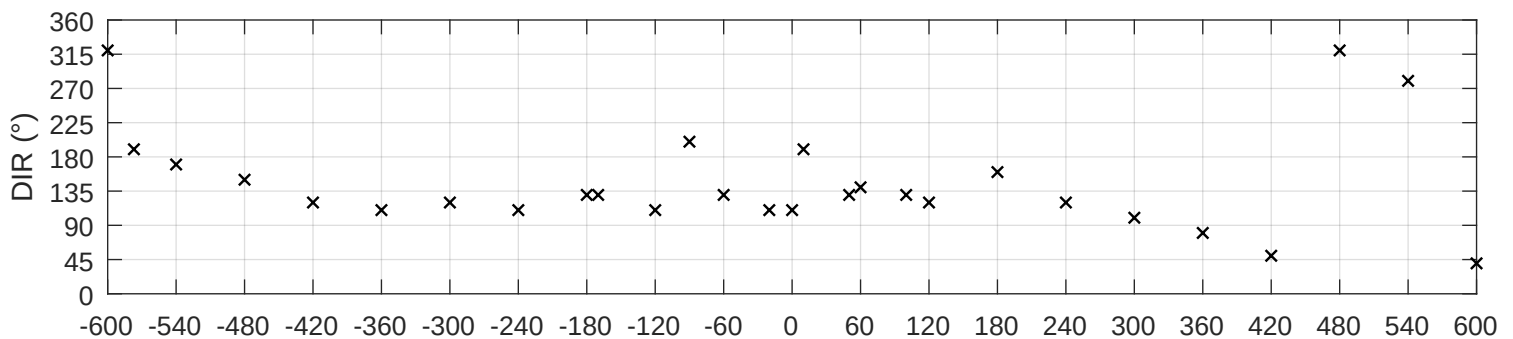
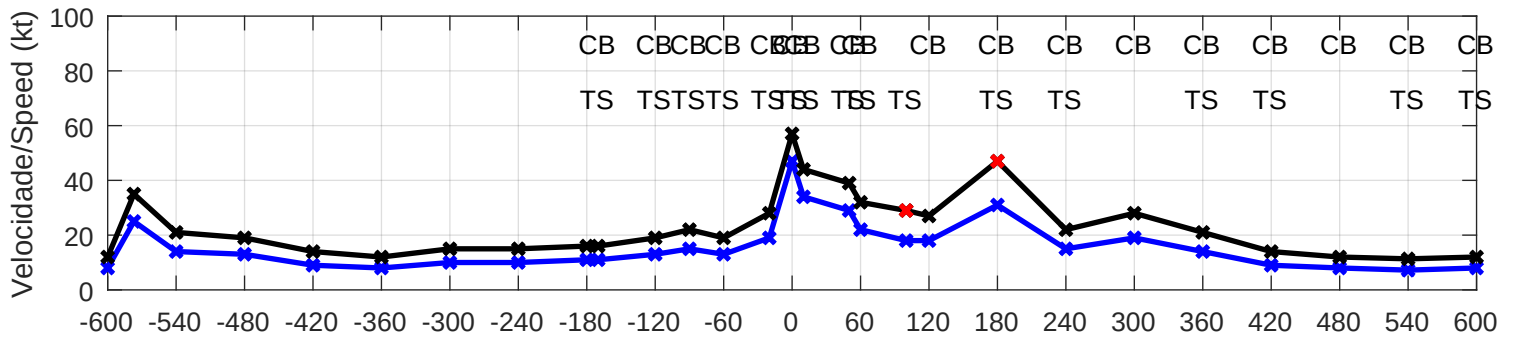
SUMU/86580 EVENTO/EVENT 19 - 17/12/2017, 03:10 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 66 \text{ kt}$	$R_{-6} = 4.9$	$T_{med,3} = 27.0 \text{ }^{\circ}\text{C}$	$DIR = 230^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 39 \text{ kt}$	$R_{-3} = 3.5$	$\Delta T_{min,3} = -6.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 160^{\circ}$		NON-SYNOPTIC
$G_V = 1.7$	$R_{+3} = 3.8$	$\Delta Q_{max,3} = 8.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 60^{\circ}$		(110)
$G_{cor} = 66.0 \text{ kt}$	$R_{+6} = 4.0$	$\Delta \text{ Grupo/Group} = 1$	SPECI SUMU 170310Z 23039G66KT 3000 +TSRA OVC008 2CB1200 22/19 Q1002=		
$V_{cor} = 39.0 \text{ kt}$					

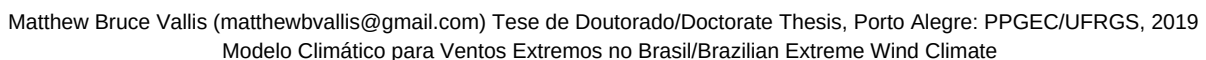


SUMU/86580 EVENTO/EVENT 20 - 26/12/2000, 22:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 57$ kt	$R_{-6} = 3.4$	$T_{med,3} = 25.4$ °C	$DIR = 110^\circ$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 47$ kt	$R_{-3} = 2.9$	$\Delta T_{min,3} = -6.0$ °C	$\Delta DIR_{max,-3} = 90^\circ$		NON-SYNOPTIC
$G_V = []$	$R_{+3} = 1.6$	$\Delta Q_{max,3} = 8.0$ hPa	$\Delta DIR_{max,+3} = 80^\circ$		(120)
$G_{cor} = 57.0$ kt	$R_{+6} = 1.8$	Δ Grupo/Group = 1	METAR SUMU 262200Z 11047KT 3000 TSRA BKN005 FEW040CB BKN080 23/22 Q09 99		
$V_{cor} = 47.0$ kt					

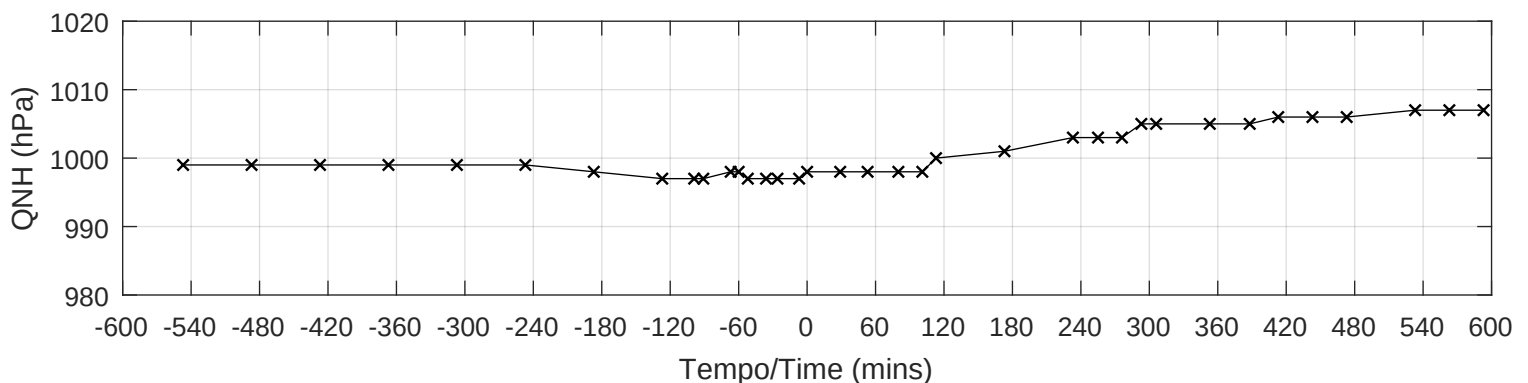
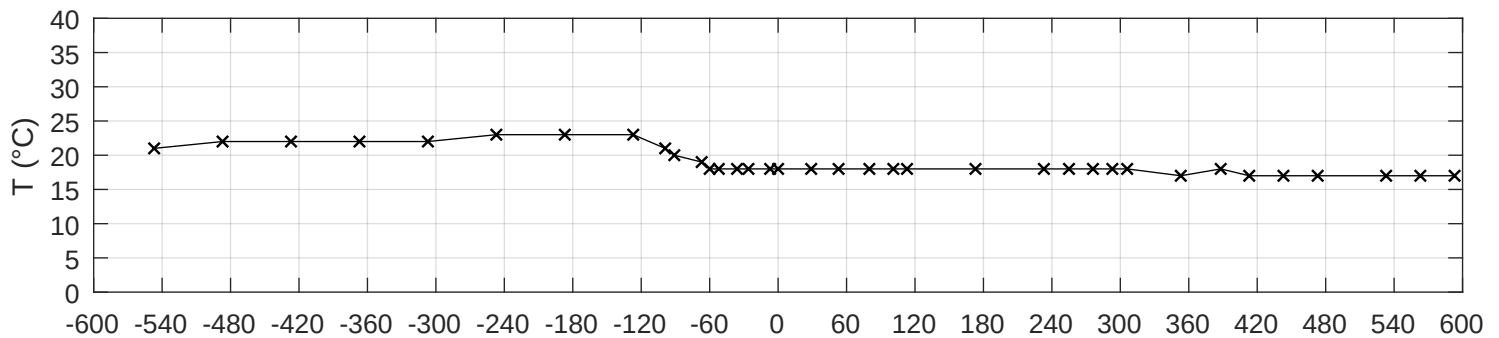
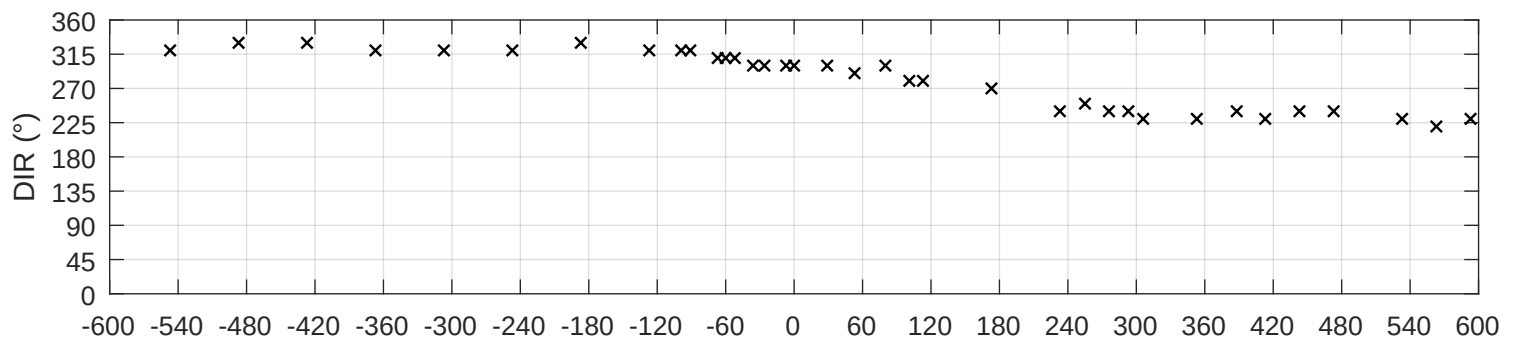
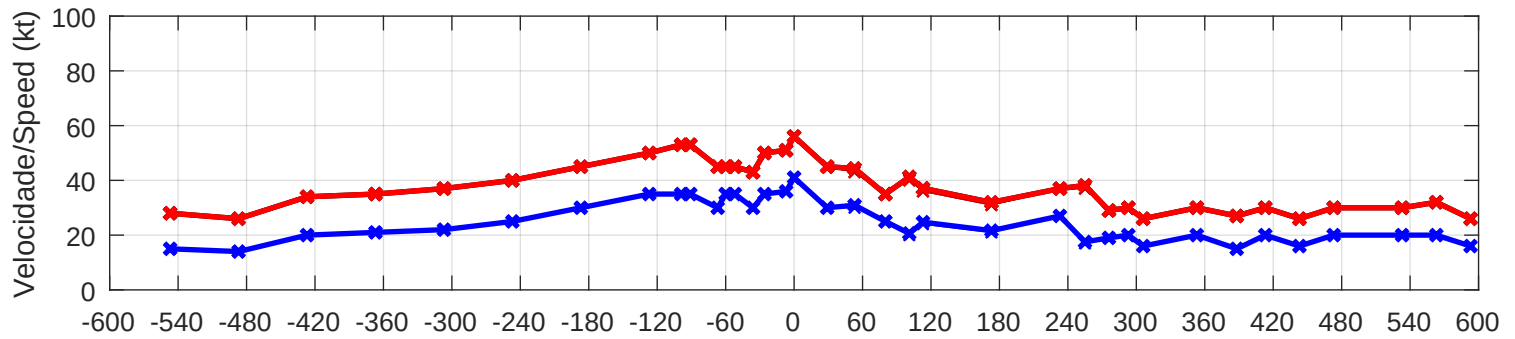


Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 57 \text{ kt}$	$R_{-6} = 2.5$	$T_{med,3} = 25.3 \text{ }^{\circ}\text{C}$	$DIR = 300^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 17 \text{ kt}$	$R_{-3} = 2.5$	$\Delta T_{min,3} = -7.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 70^{\circ}$		NON-SYNOPTIC
$G_v = 3.4$	$R_{+3} = 4.0$	$\Delta Q_{max,3} = 4.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 120^{\circ}$		(110)
$G_{cor} = 57.0 \text{ kt}$	$R_{+6} = 5.2$	$\Delta \text{ Grupo/Group} = 1$	SPECI SUMU 031530Z 30017G57KT 2000 TSRA SQ SCT015 FEW040CB OVC04022/20 Q1007=		
$V_{cor} = 17.0 \text{ kt}$					



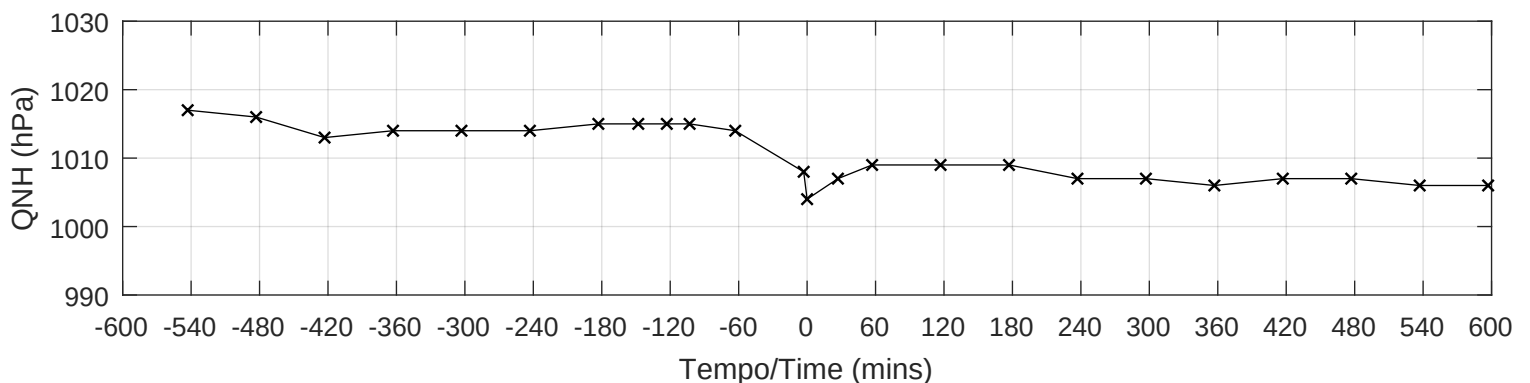
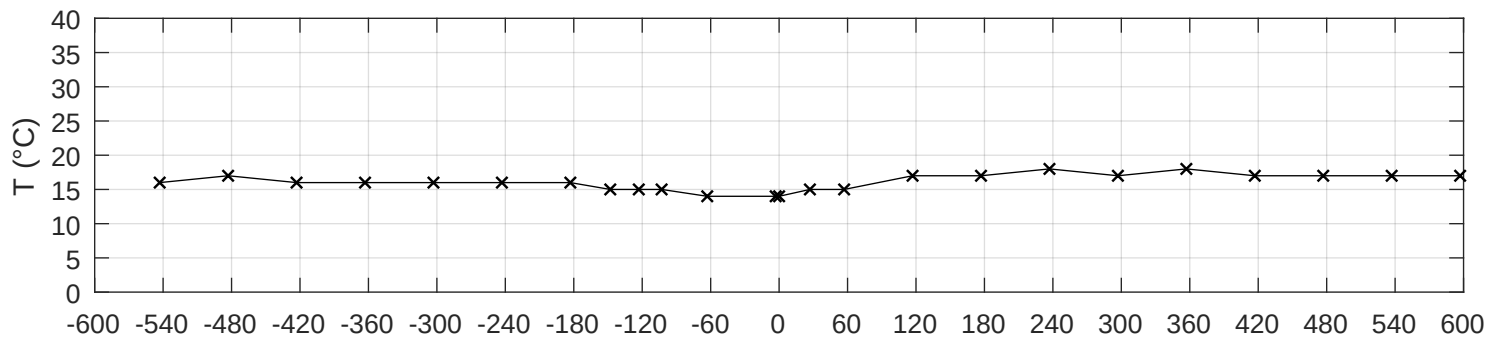
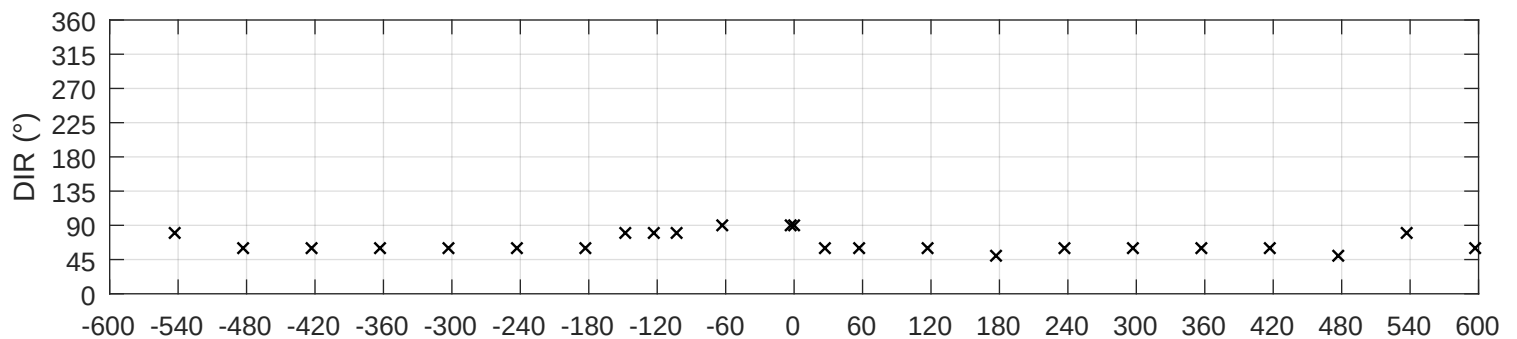
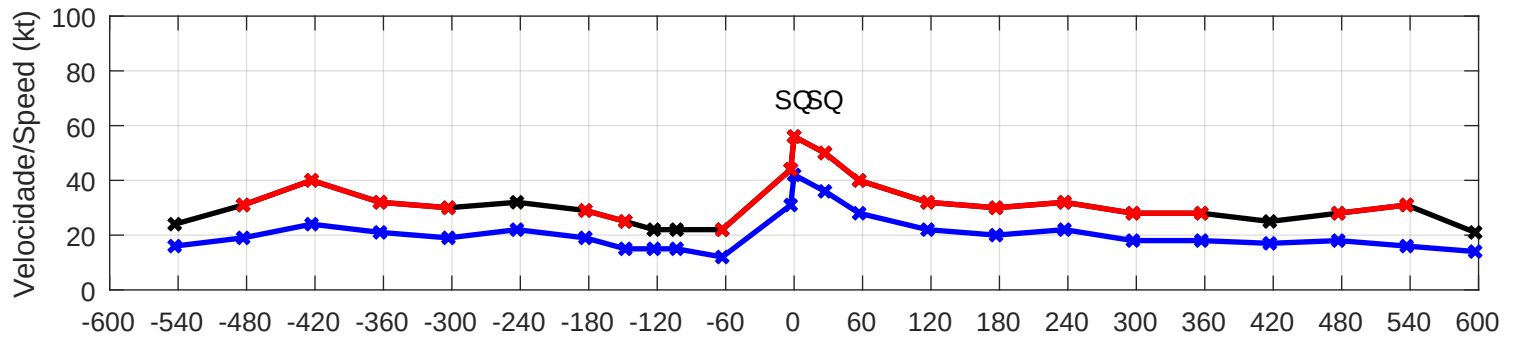
SUMU/86580 EVENTO/EVENT 22 - 05/02/2017, 21:07 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 56 \text{ kt}$	$R_{-6} = 1.3$	$T_{med,3} = 20.9 \text{ }^{\circ}\text{C}$	$DIR = 300^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 41 \text{ kt}$	$R_{-3} = 1.1$	$\Delta T_{min,3} = -3.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 20^{\circ}$		SYNOPTIC
$G_V = 1.4$	$R_{+3} = 1.5$	$\Delta Q_{max,3} = 1.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 30^{\circ}$		(212)
$G_{cor} = 56.0 \text{ kt}$	$R_{+6} = 1.6$	$\Delta \text{ Grupo/Group} = 2$	SPECI SUMU 052107Z 30041G56KT 1500 +DZ BKN010 OVC017 18/15 Q0998=		
$V_{cor} = 41.0 \text{ kt}$					

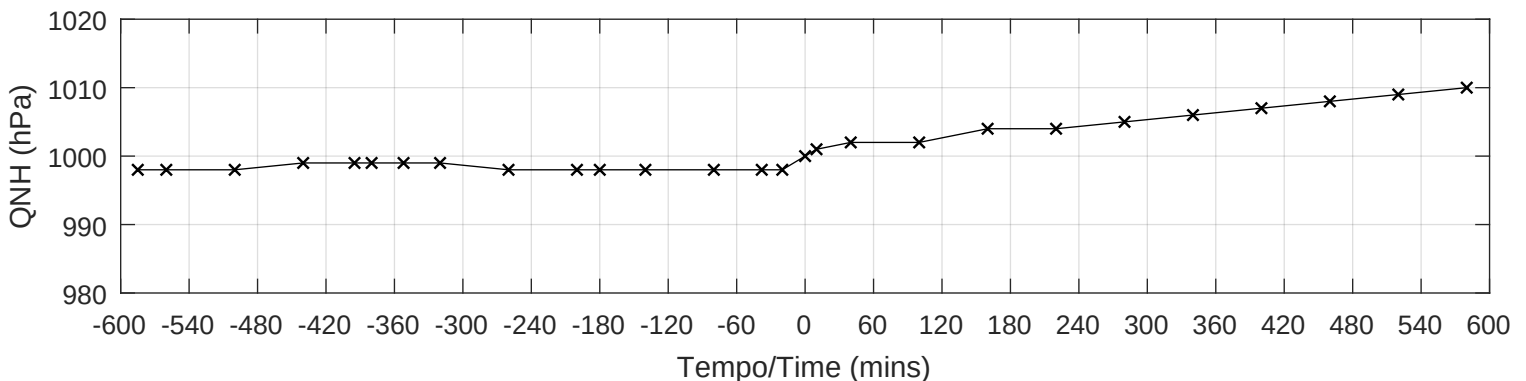


SUMU/86580 EVENTO/EVENT 23 - 11/08/2017, 13:03 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 56 \text{ kt}$	$R_{-6} = 2.1$	$T_{med,3} = 14.6 \text{ }^{\circ}\text{C}$	$DIR = 90^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 42 \text{ kt}$	$R_{-3} = 2.4$	$\Delta T_{min,3} = -1.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 1.3$	$R_{+3} = 1.5$	$\Delta Q_{max,3} = 5.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 40^{\circ}$		(211)
$G_{cor} = 56.0 \text{ kt}$	$R_{+6} = 1.7$	$\Delta \text{ Grupo/Group} = 1$	SPECI SUMU 111303Z 09042G56KT 5000 RA SQ BKN003 OVC070 14/13 Q1004=		
$V_{cor} = 42.0 \text{ kt}$					

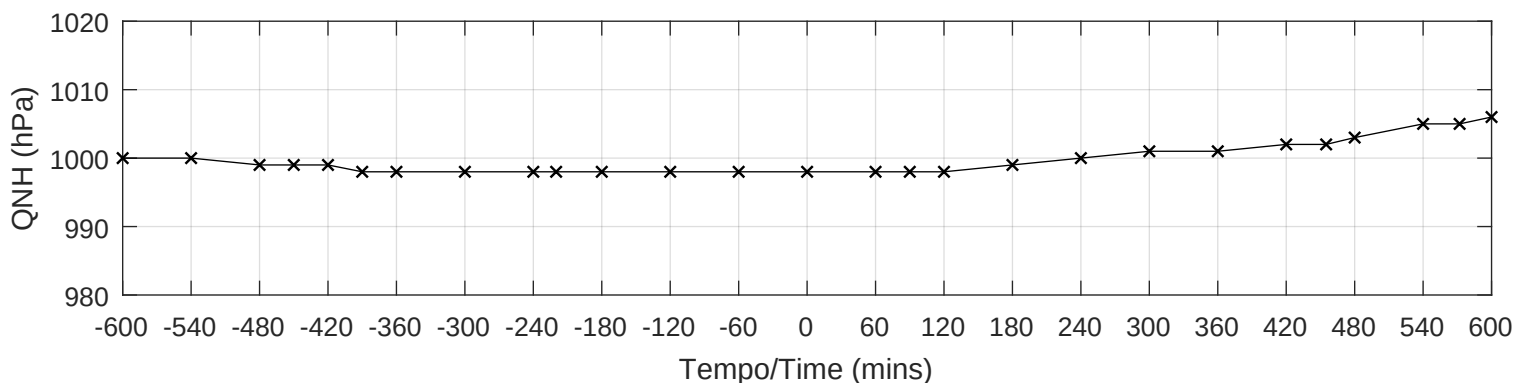
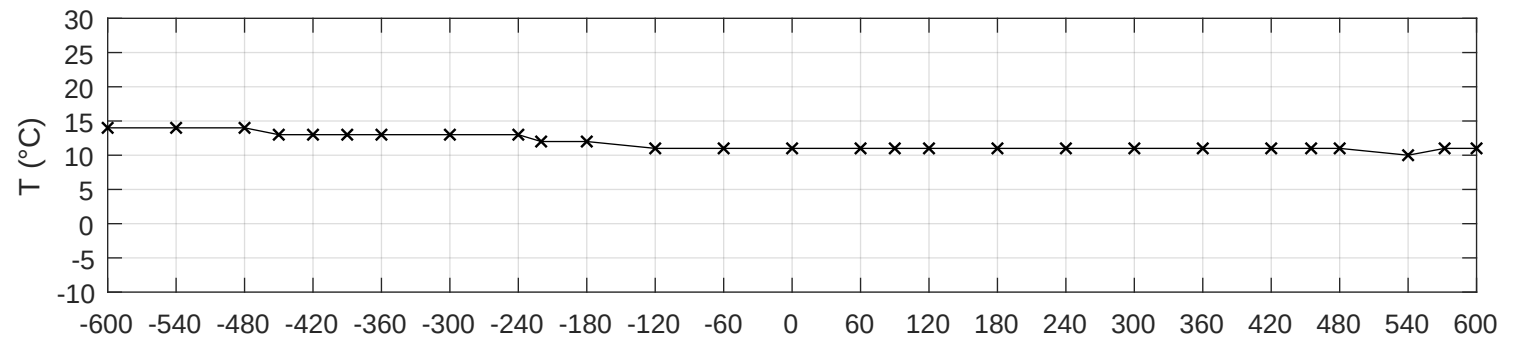
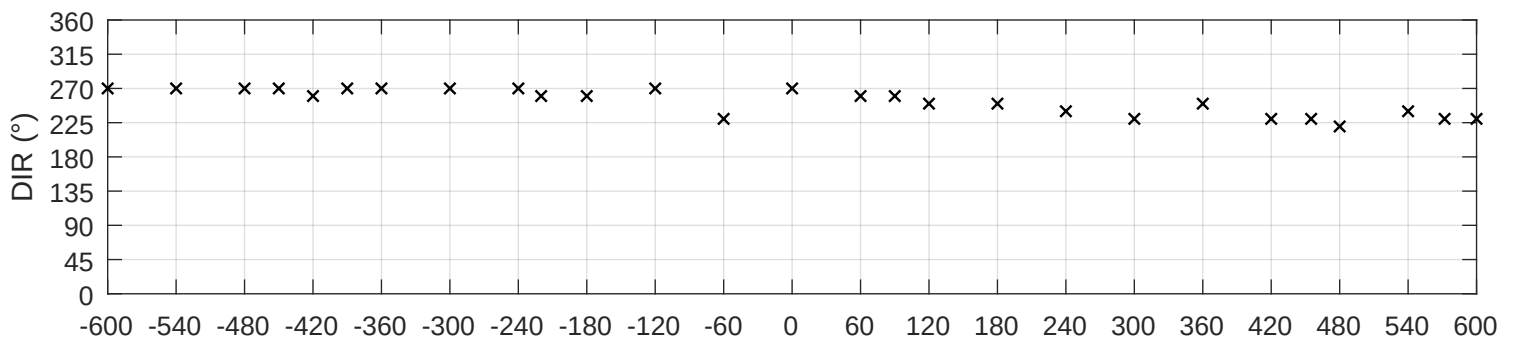
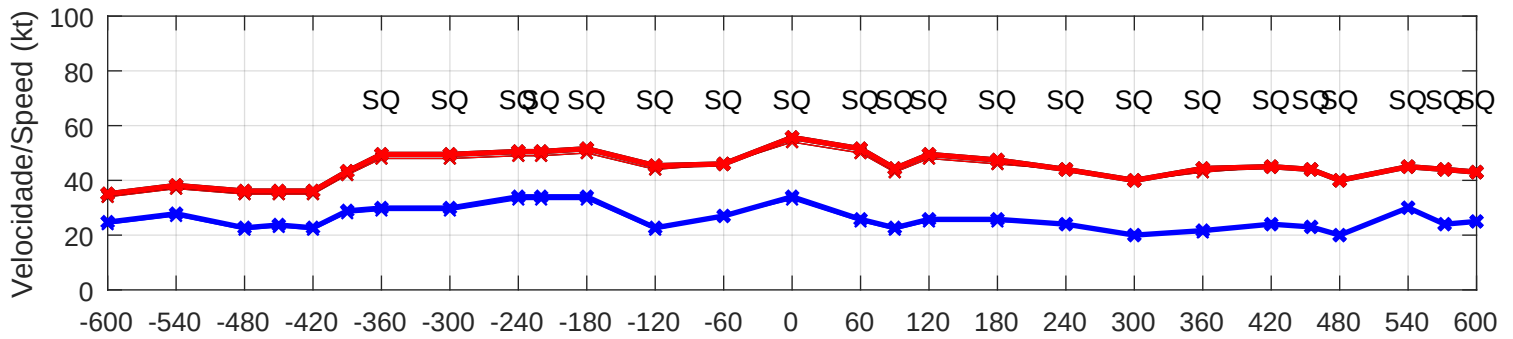


Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 54 \text{ kt}$	$R_{-6} = 2.8$	$T_{med,3} = 30.0 \text{ }^{\circ}\text{C}$	$DIR = 250^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 37 \text{ kt}$	$R_{-3} = 2.7$	$\Delta T_{min,3} = -11.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 20^{\circ}$		NON-SYNOPTIC
$G_V = 1.5$	$R_{+3} = 3.2$	$\Delta Q_{max,3} = 4.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 40^{\circ}$		(110)
$G_{cor} = 55.7 \text{ kt}$	$R_{+6} = 3.0$	$\Delta \text{ Grupo/Group} = 1$	SUMU 062120Z 25037G54KT 15000 SQTSRA FEW040CB BKN005 BKN080 28/19 Q1000=		
$V_{cor} = 38.1 \text{ kt}$					



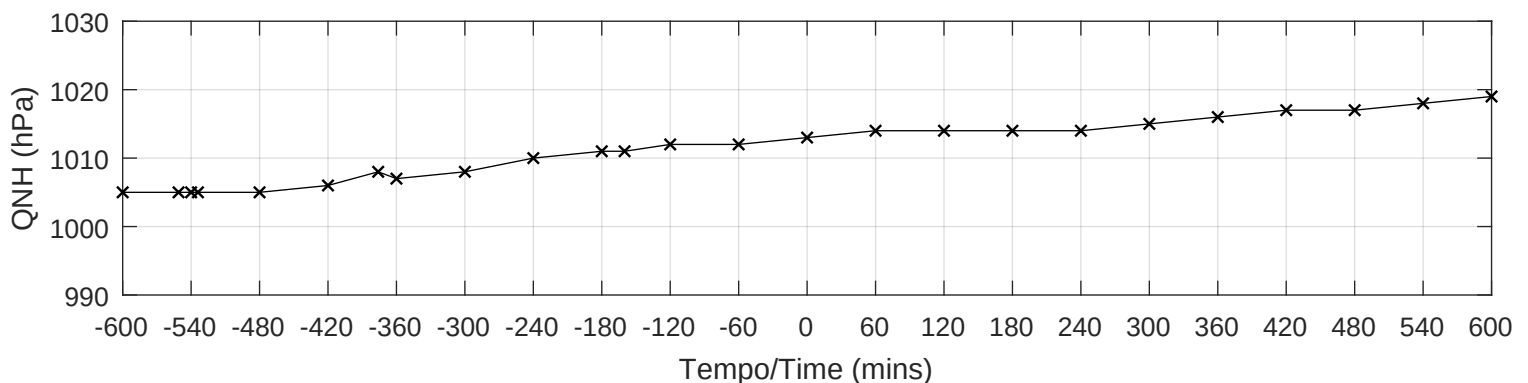
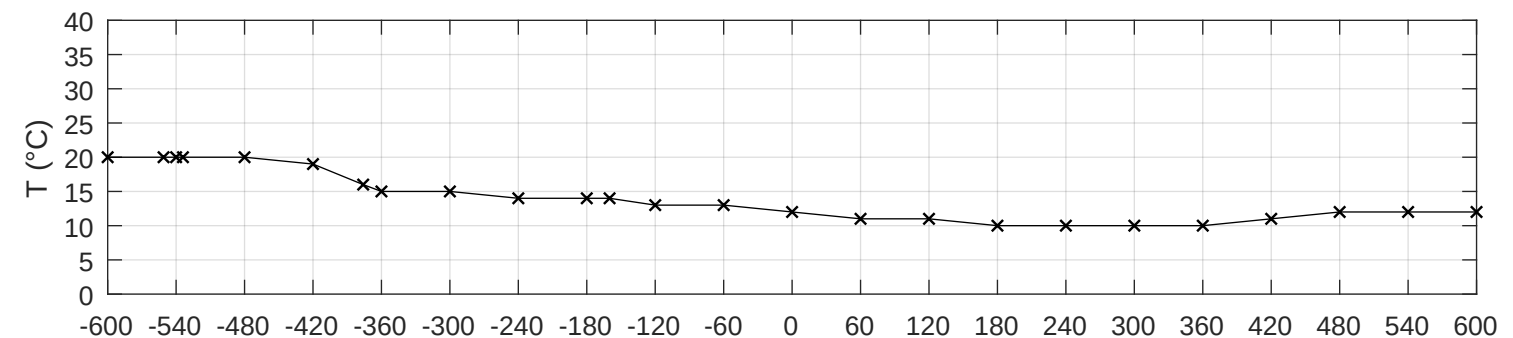
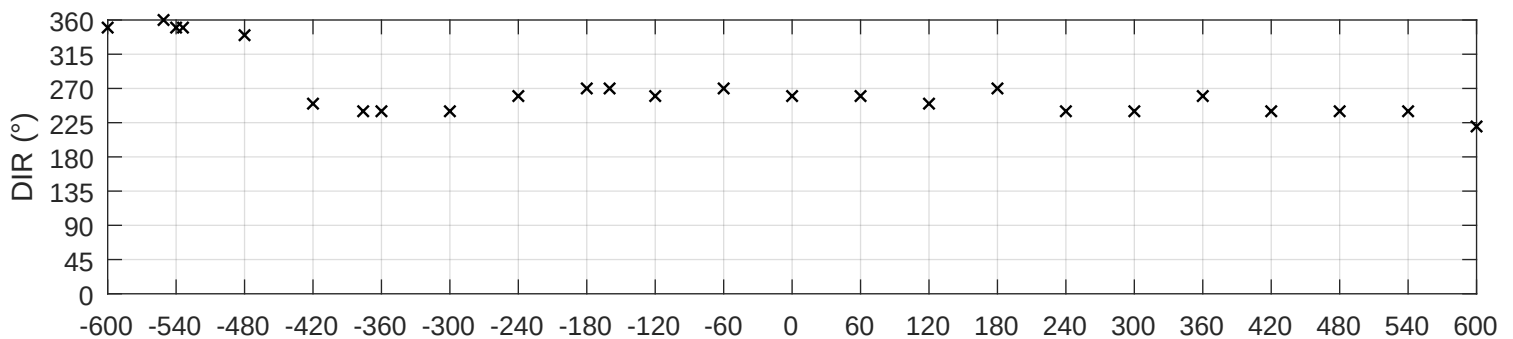
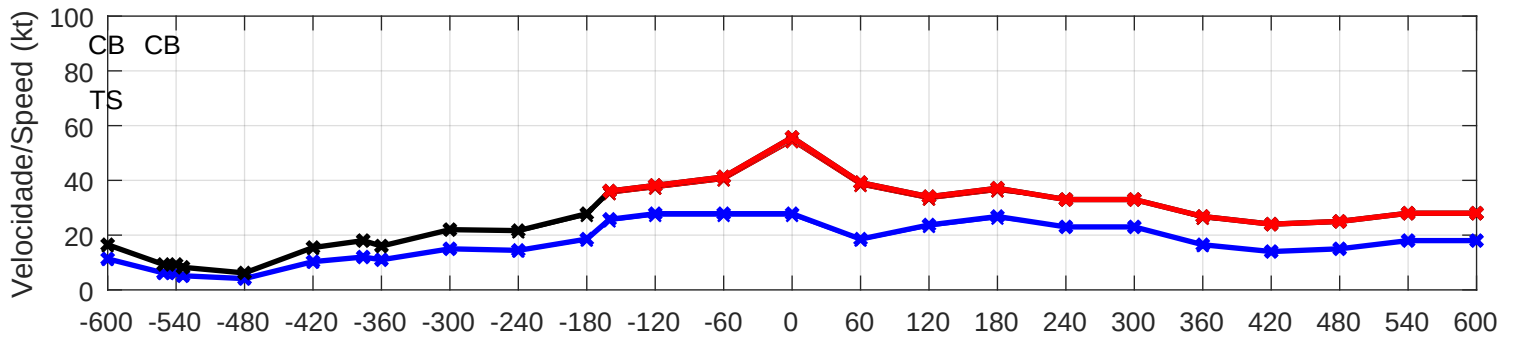
SUMU/86580 EVENTO/EVENT 25 - 14/09/2016, 01:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 54 \text{ kt}$	$R_{-6} = 1.1$	$T_{med,3} = 11.3 \text{ }^{\circ}\text{C}$	$DIR = 270^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 33 \text{ kt}$	$R_{-3} = 1.2$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 40^{\circ}$		SYNOPTIC
$G_V = 1.6$	$R_{+3} = 1.2$	$\Delta Q_{max,3} = 0.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 20^{\circ}$		(215)
$G_{cor} = 55.7 \text{ kt}$	$R_{+6} = 1.2$	$\Delta \text{ Grupo/Group} = 3$	METAR SUMU 140100Z 27033G54KT 6000 -RA SQ BKN017 OVC070 11/07 Q0998WS RWY 24 TEMPO 25030G50KT=		
$V_{cor} = 34.0 \text{ kt}$					



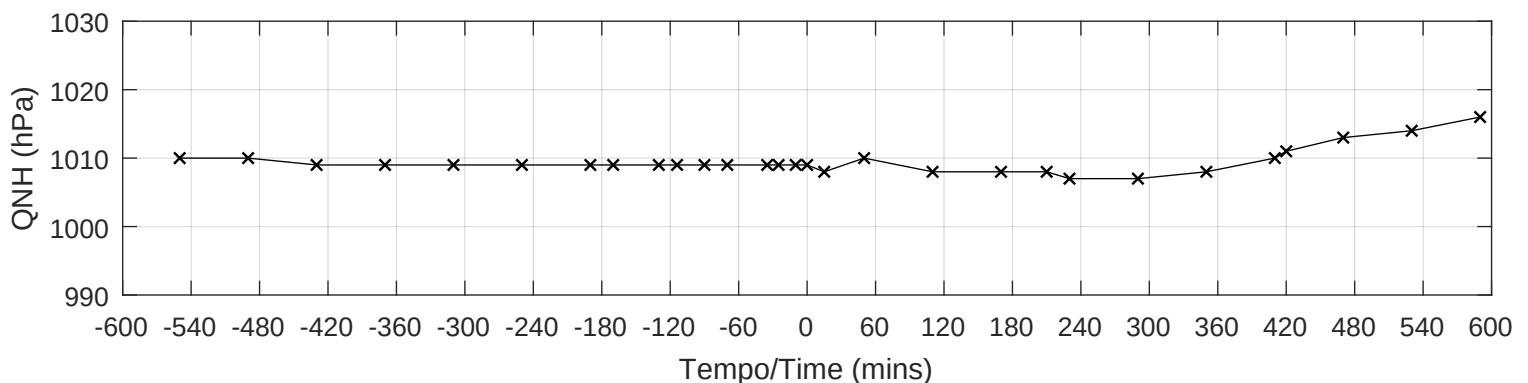
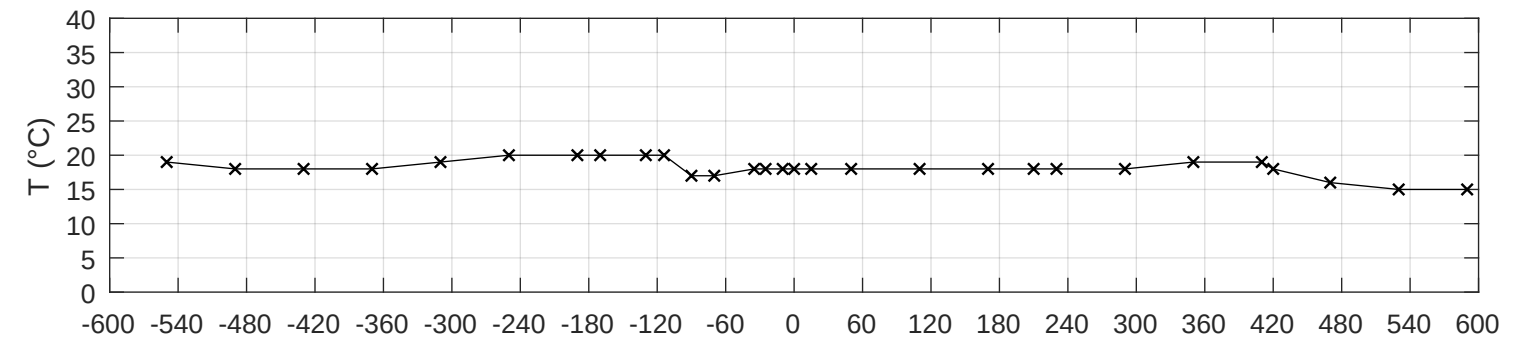
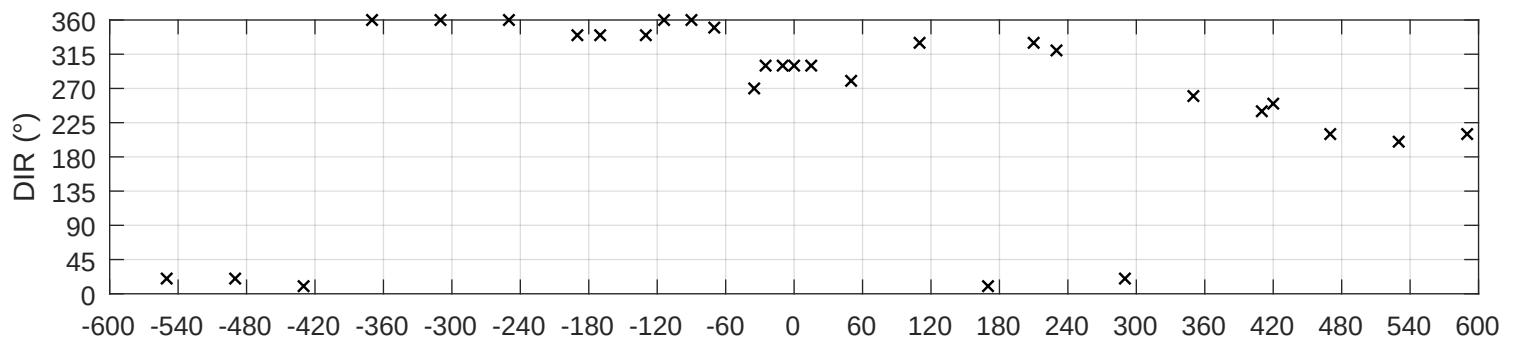
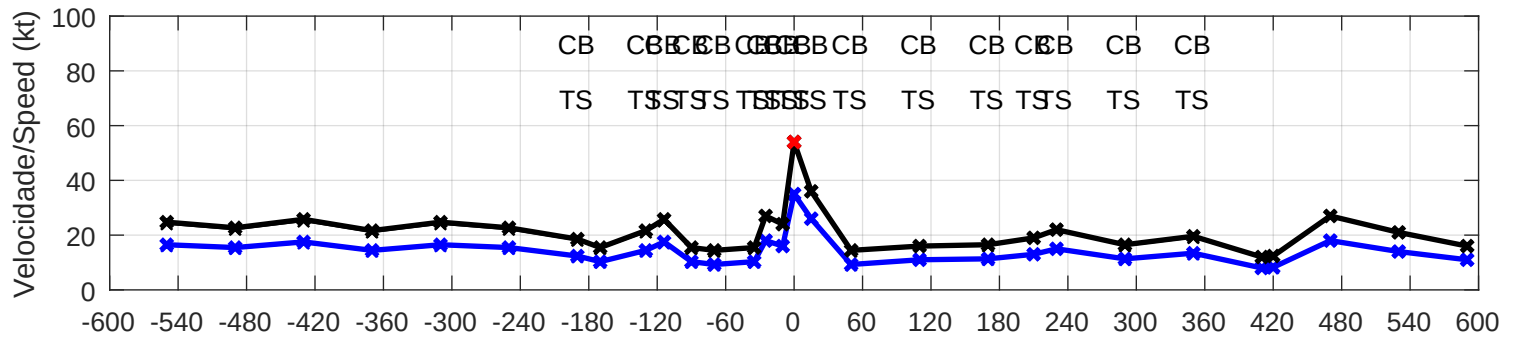
SUMU/86580 EVENTO/EVENT 26 - 30/08/2017, 04:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 54 \text{ kt}$	$R_{-6} = 1.9$	$T_{med,3} = 13.3 \text{ }^{\circ}\text{C}$	$DIR = 260^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 27 \text{ kt}$	$R_{-3} = 1.5$	$\Delta T_{min,3} = -2.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 2.0$	$R_{+3} = 1.5$	$\Delta Q_{max,3} = 2.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(212)
$G_{cor} = 55.7 \text{ kt}$	$R_{+6} = 1.6$	$\Delta \text{ Grupo/Group} = 2$	METAR SUMU 300400Z 26027G54KT 9999 OVC070 12/08 Q1013 NOSIG=		
$V_{cor} = 27.8 \text{ kt}$					



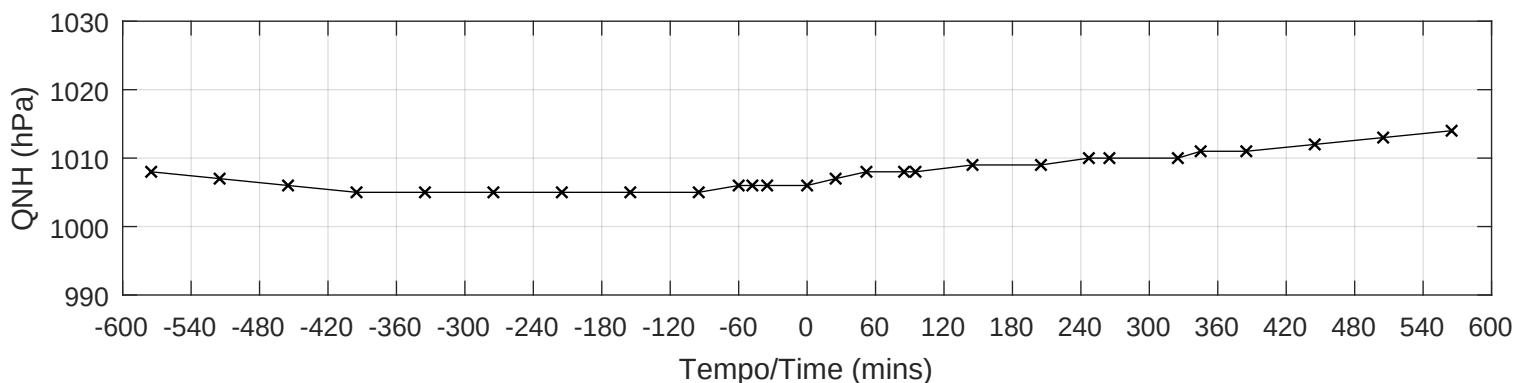
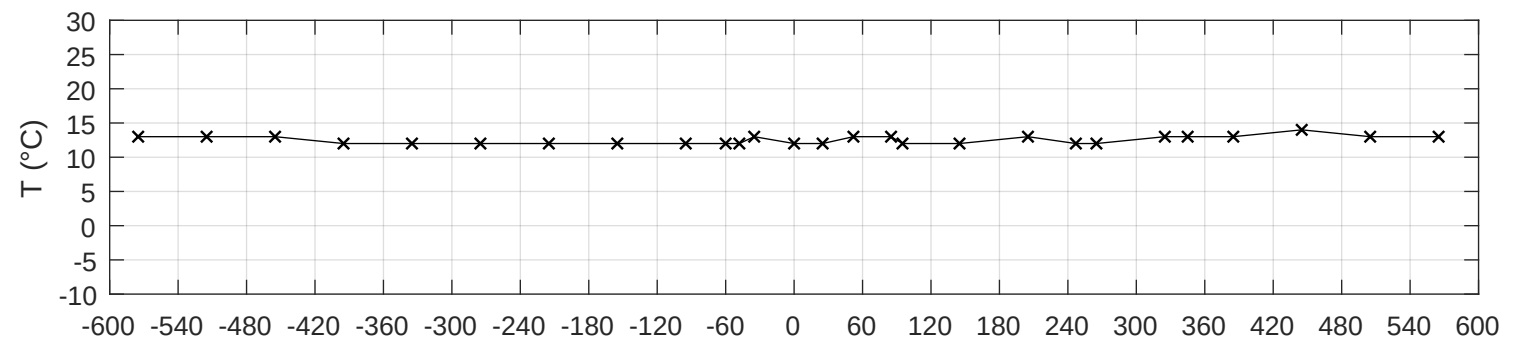
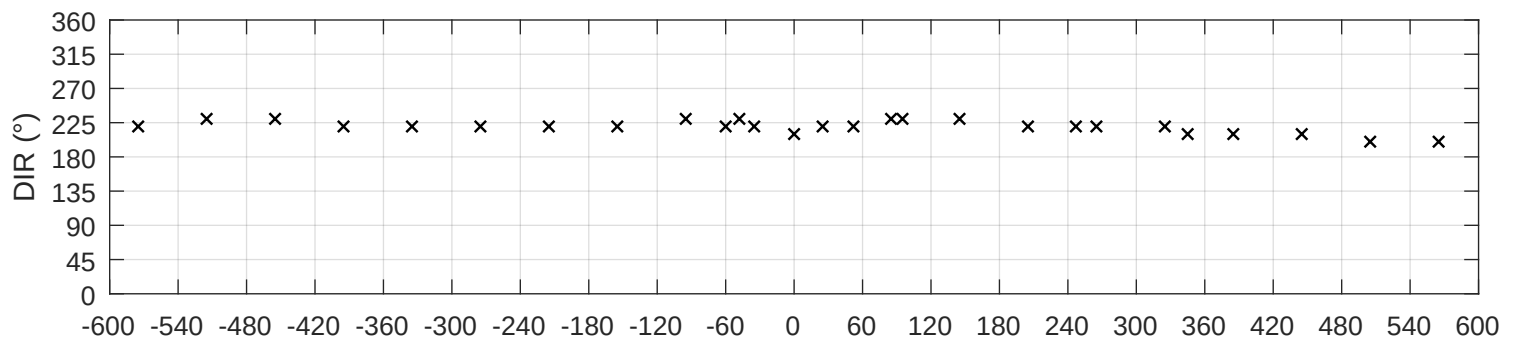
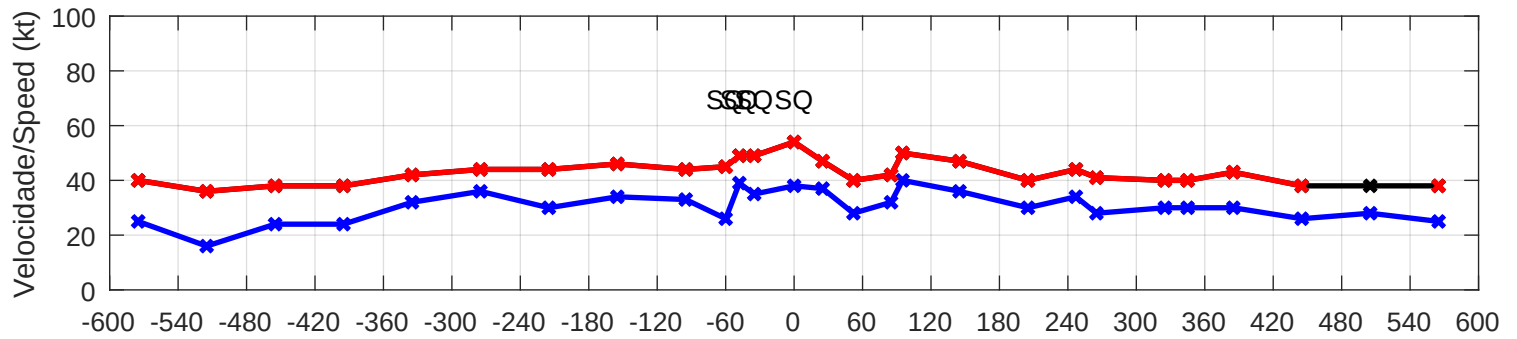
SUMU/86580 EVENTO/EVENT 27 - 29/05/2005, 15:10 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
G _{obs} = 54 kt	R ₋₆ = 2.7	T _{med,3} = 18.8 °C	DIR = 300°	SIM/YES	NÃO-SINÓTICO
V _{obs} = 35 kt	R ₋₃ = 2.9	ΔT _{min,3} = -3.0 °C	ΔDIR _{max,-3} = 60°		NON-SYNOPTIC
G _V = 1.5	R ₊₃ = 2.8	ΔQ _{max,3} = 2.0 hPa	ΔDIR _{max,+3} = 70°		(110)
G _{cor} = 54.0 kt	R ₊₆ = 2.8	Δ Grupo/Group = 1	SUMU 291510Z 30035G54KT 1500 TS+RA BKN010 FEW040CB OVC070 18/17 Q1009=		
V _{cor} = 35.0 kt					



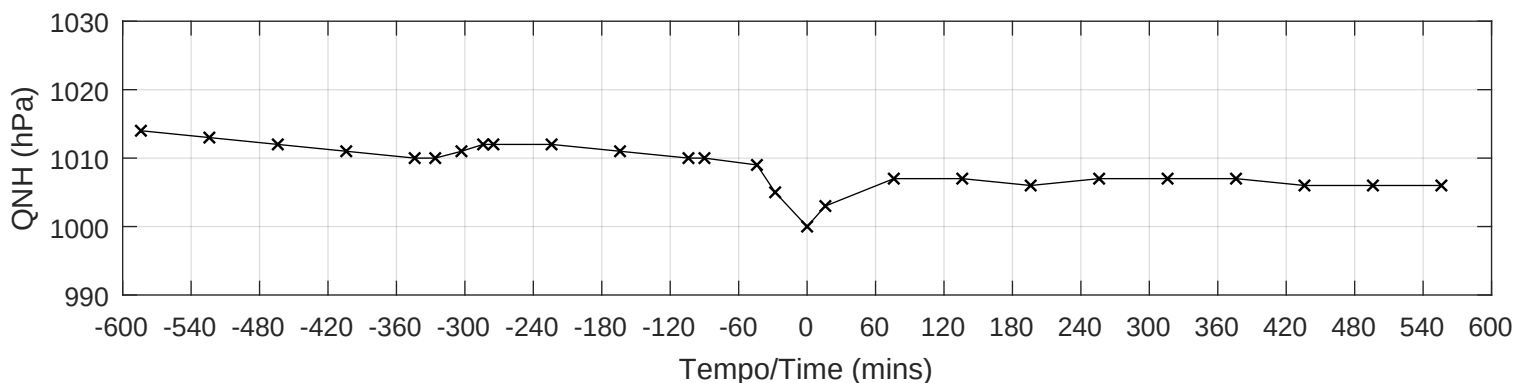
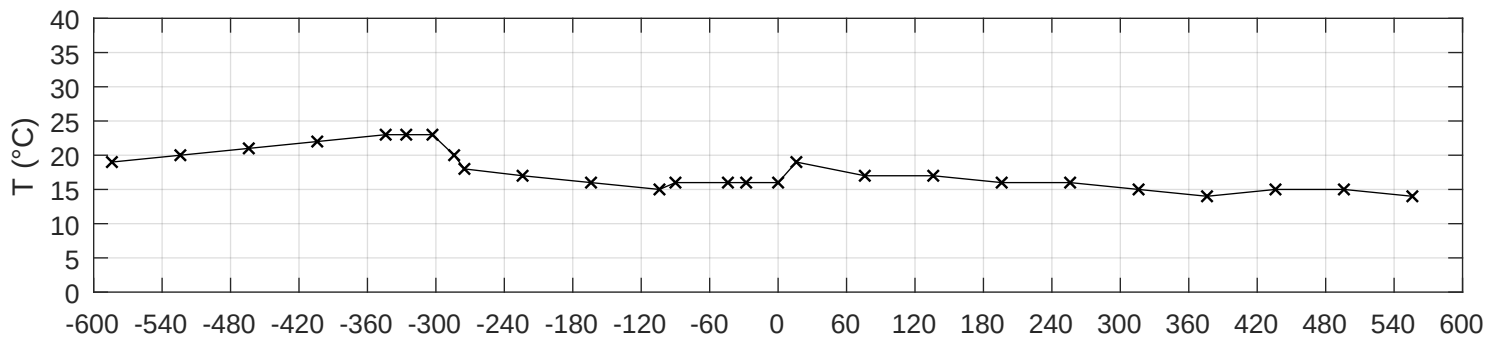
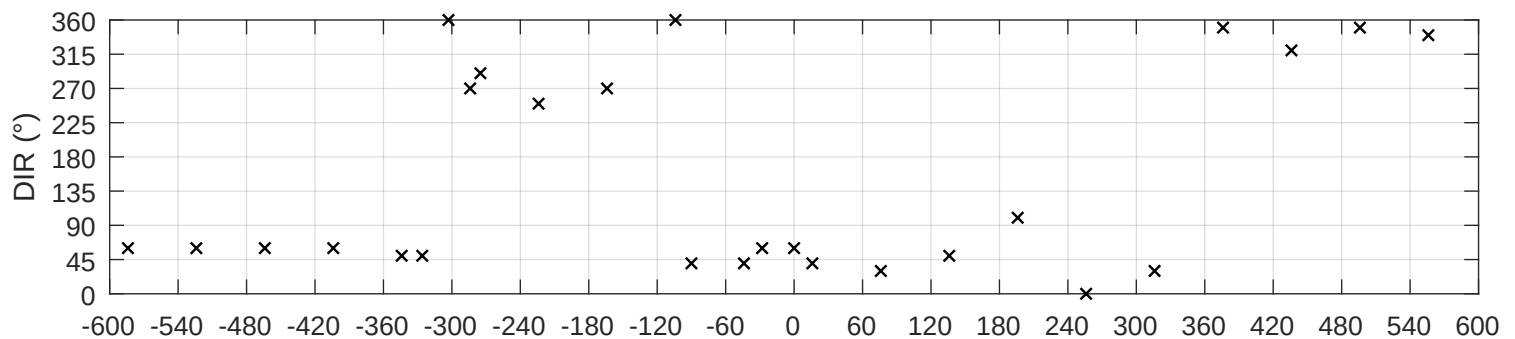
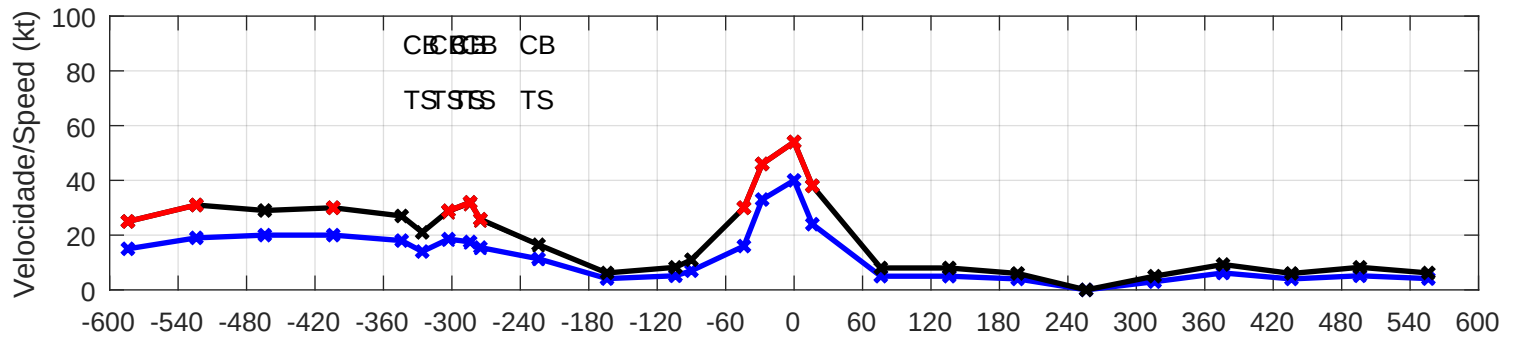
SUMU/86580 EVENTO/EVENT 28 - 27/10/2016, 12:35 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 54 \text{ kt}$	$R_{-6} = 1.2$	$T_{med,3} = 12.0 \text{ }^{\circ}\text{C}$	$DIR = 210^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 38 \text{ kt}$	$R_{-3} = 1.2$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 20^{\circ}$		SYNOPTIC
$G_V = 1.4$	$R_{+3} = 1.2$	$\Delta Q_{max,3} = 3.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 20^{\circ}$		(212)
$G_{cor} = 54.0 \text{ kt}$	$R_{+6} = 1.2$	Δ Grupo/Group = 2	SPECI SUMU 271235Z 21038G54KT 4000 RA BR SQ OVC023 12/09 Q1006 WSR24=		
$V_{cor} = 38.0 \text{ kt}$					



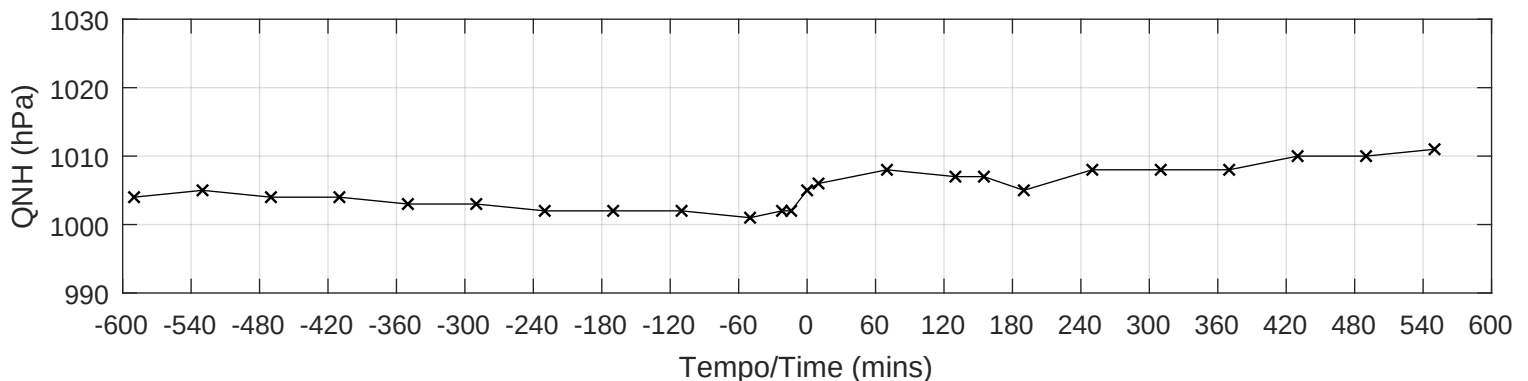
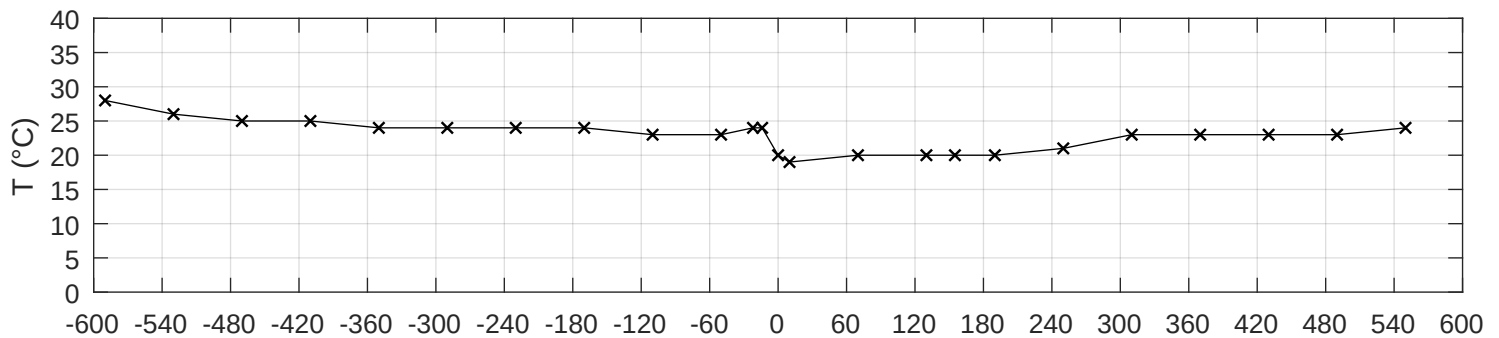
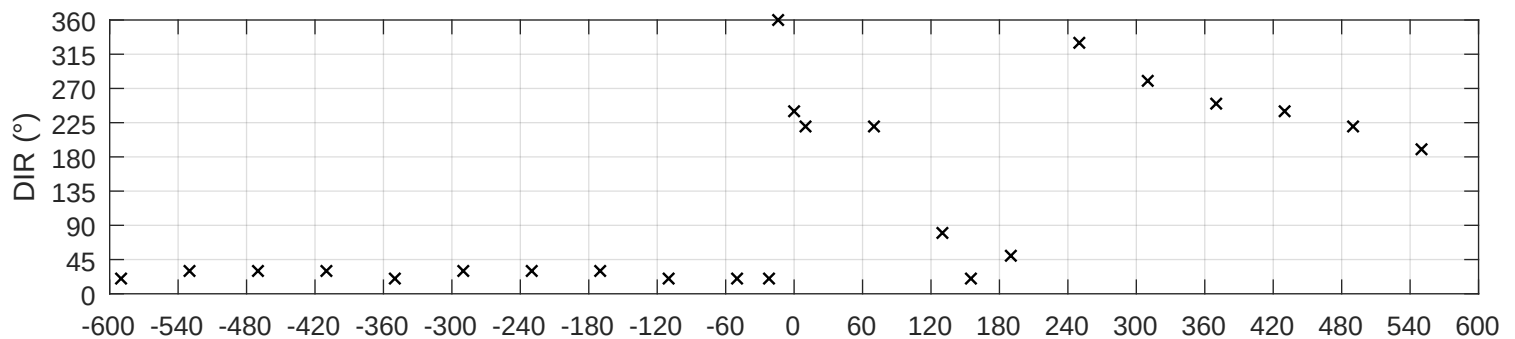
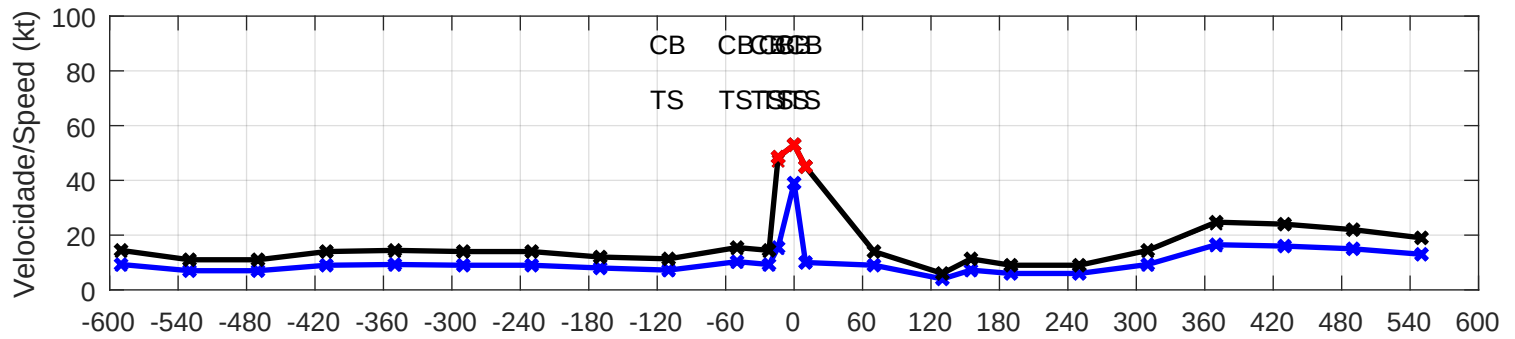
SUMU/86580 EVENTO/EVENT 29 - 02/11/2017, 21:44 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 54 \text{ kt}$	$R_{-6} = 2.7$	$T_{med,3} = 15.9 \text{ }^{\circ}\text{C}$	$DIR = 60^{\circ}$	NÃO/NO	NÃO-SINÓTICO
$V_{obs} = 40 \text{ kt}$	$R_{-3} = 3.2$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 150^{\circ}$		NON-SYNOPTIC
$G_V = 1.4$	$R_{+3} = 3.0$	$\Delta Q_{max,3} = 3.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 30^{\circ}$		(113)
$G_{cor} = 54.0 \text{ kt}$	$R_{+6} = 5.0$	Δ Grupo/Group = 2	SPECI SUMU 022144Z 06040G54KT 9999 SCT023 BKN070 16/14 Q1000 RERA=		
$V_{cor} = 40.0 \text{ kt}$					



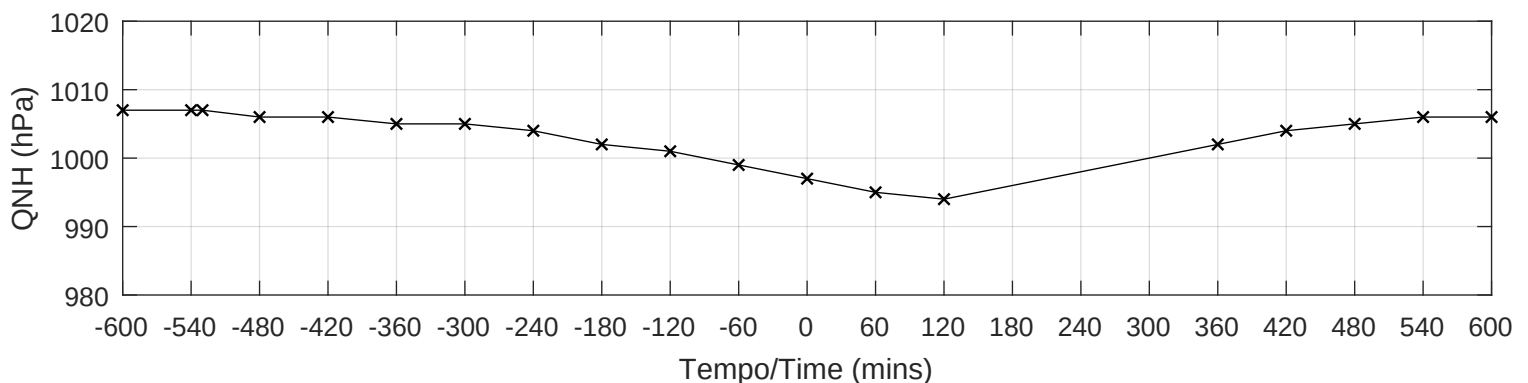
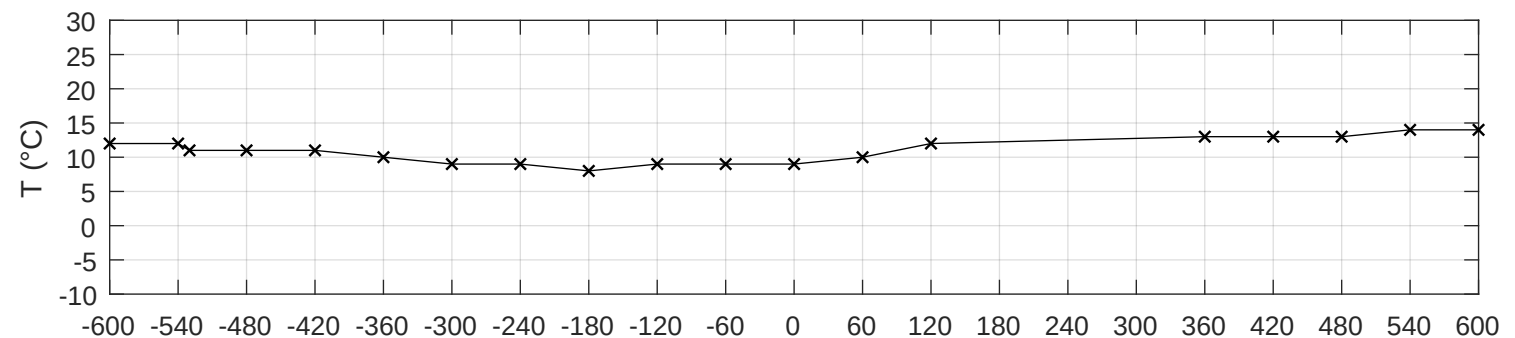
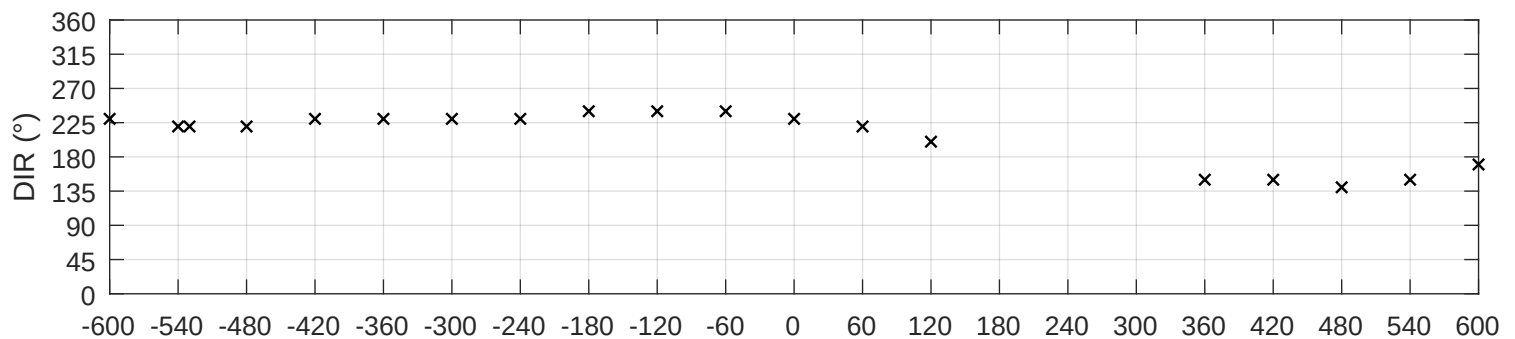
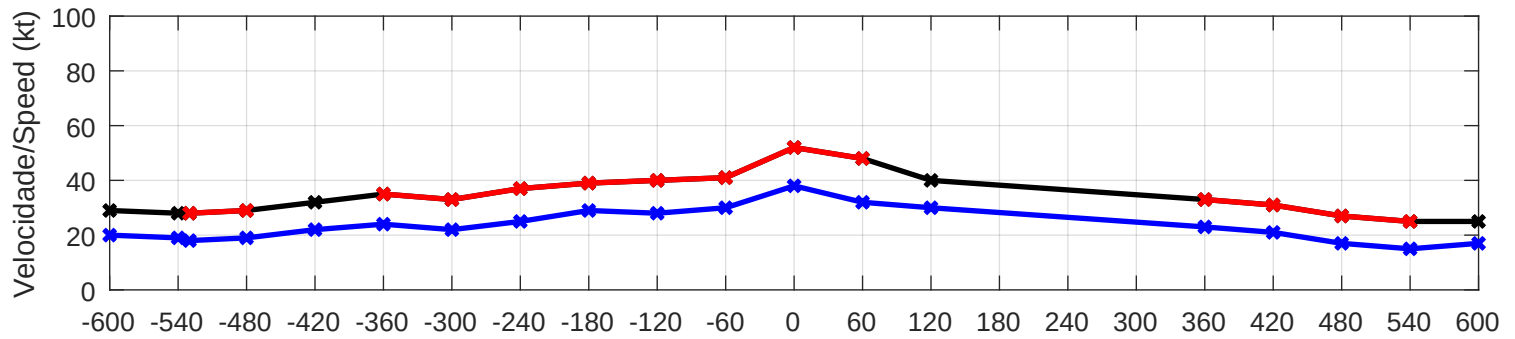
SUMU/86580 EVENTO/EVENT 30 - 30/12/2018, 07:50 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 53 \text{ kt}$	$R_{-6} = 3.6$	$T_{med,3} = 23.5 \text{ }^{\circ}\text{C}$	$DIR = 240^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 39 \text{ kt}$	$R_{-3} = 3.5$	$\Delta T_{min,3} = -5.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 150^{\circ}$		NON-SYNOPTIC
$G_V = 1.4$	$R_{+3} = 2.3$	$\Delta Q_{max,3} = 5.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 160^{\circ}$		(110)
$G_{cor} = 53.0 \text{ kt}$	$R_{+6} = 3.2$	Δ Grupo/Group = 1	SPECI SUMU 300750Z 24039G53KT 0500 R19/0900 R24/0900 TSRASCT016 FEW040CB OVC070 20/18 Q1005=		
$V_{cor} = 39.0 \text{ kt}$					



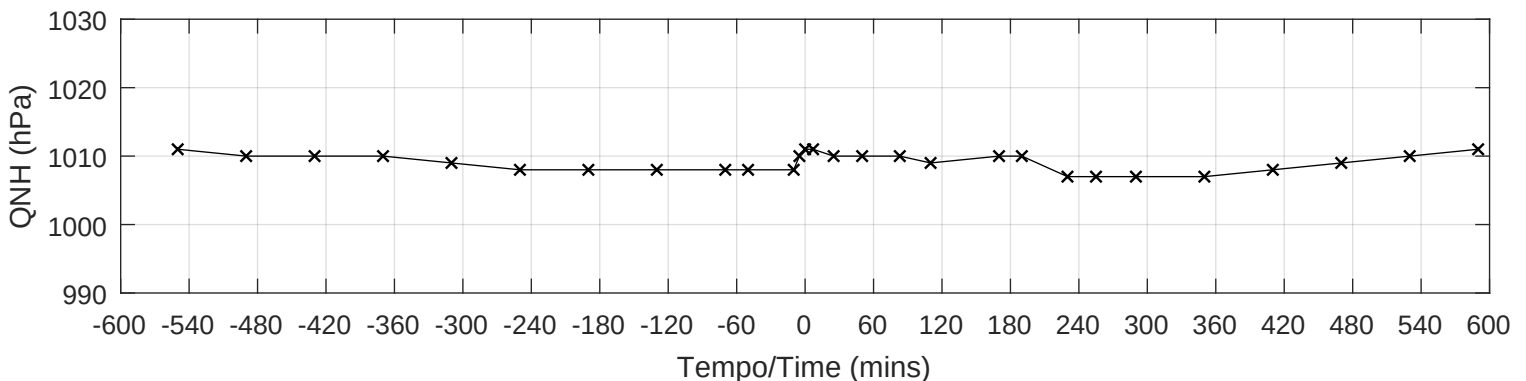
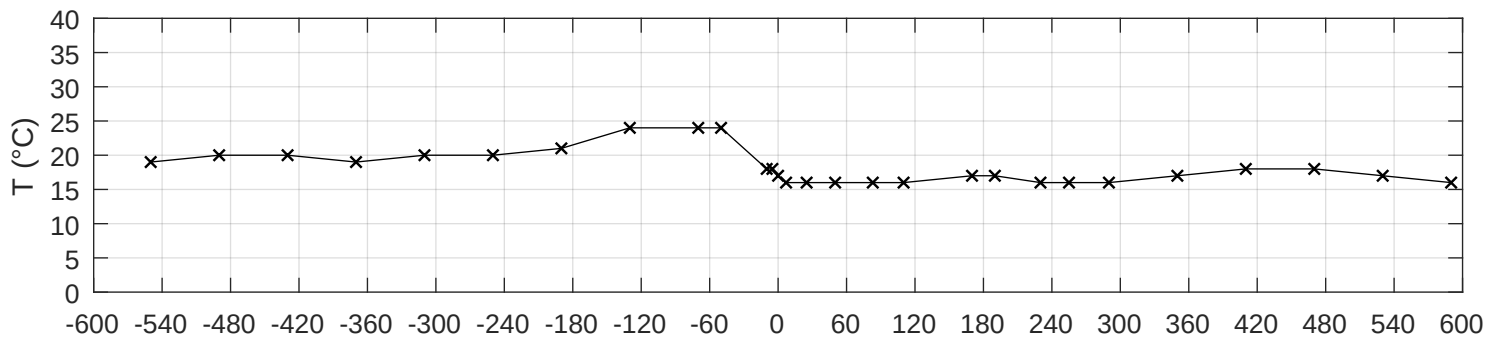
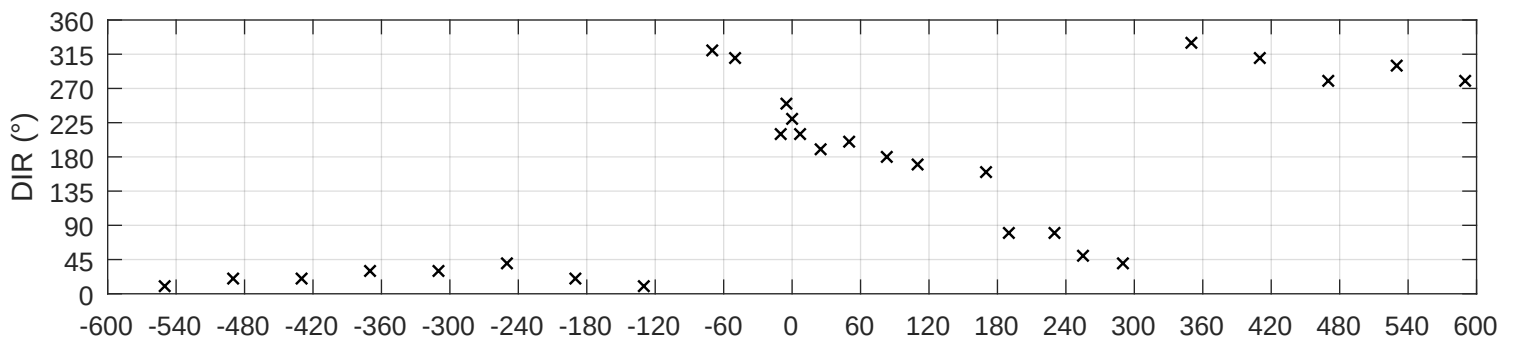
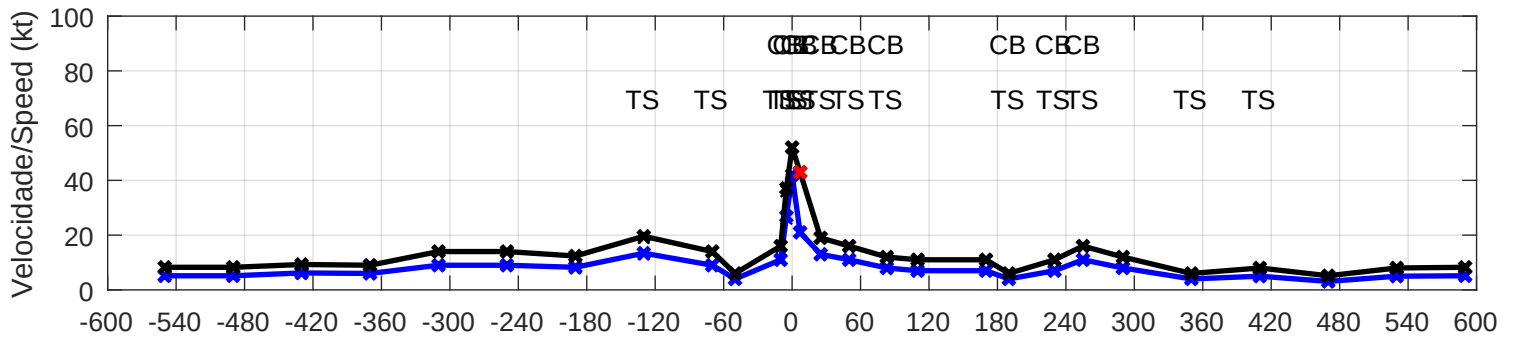
SUMU/86580 EVENTO/EVENT 31 - 07/06/1997, 08:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 52 \text{ kt}$	$R_{-6} = 1.4$	$T_{med,3} = 8.7 \text{ }^{\circ}\text{C}$	$DIR = 230^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 38 \text{ kt}$	$R_{-3} = 1.3$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 1.4$	$R_{+3} = 1.2$	$\Delta Q_{max,3} = 0.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 30^{\circ}$		(215)
$G_{cor} = 52.0 \text{ kt}$	$R_{+6} = 1.3$	$\Delta \text{ Grupo/Group} = 3$	METAR SUMU 070800Z 23038G52KT 3000 RA BKN010 OVC070 09/09 Q0997		
$V_{cor} = 38.0 \text{ kt}$					



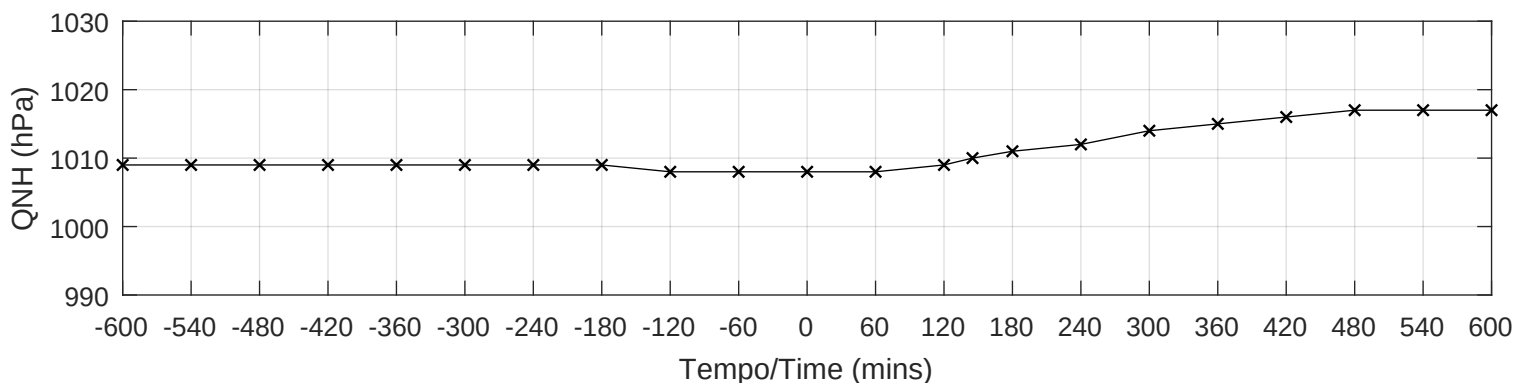
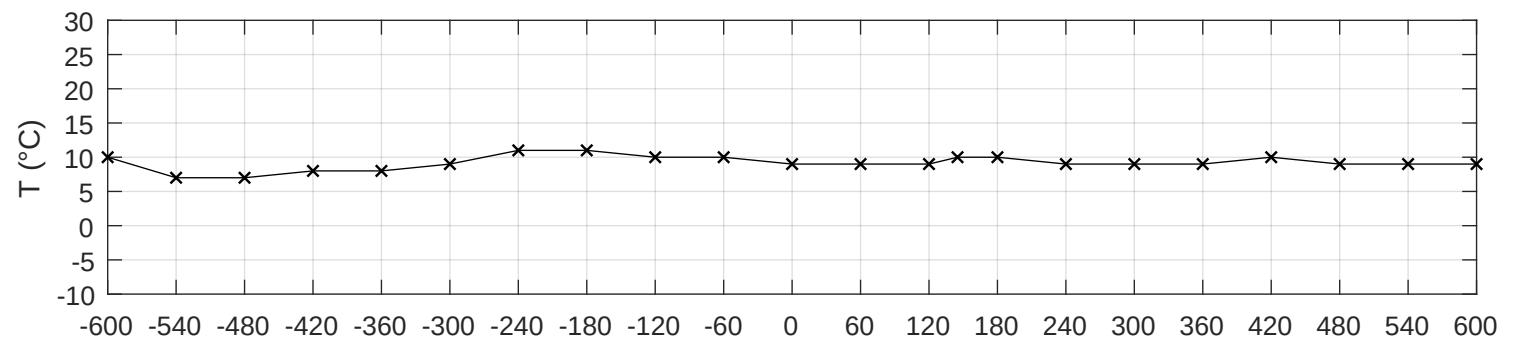
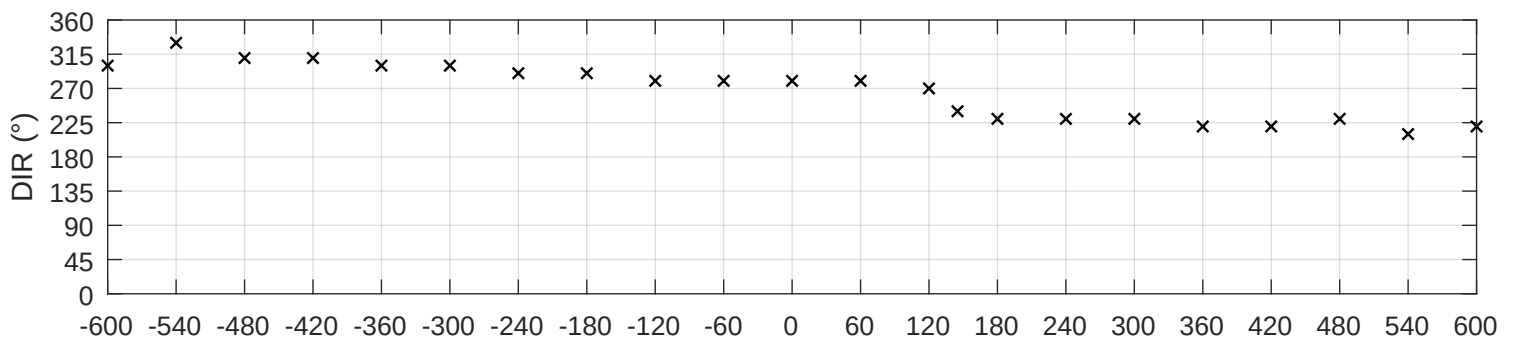
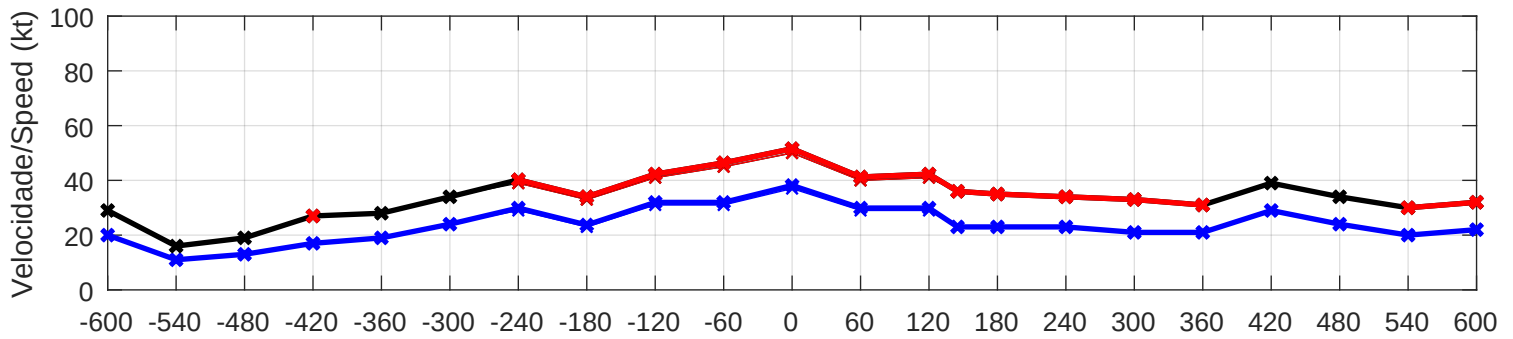
SUMU/86580 EVENTO/EVENT 32 - 21/10/2008, 14:10 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 52$ kt	$R_{-6} = 3.7$	$T_{med,3} = 24.0$ °C	$DIR = 230^\circ$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 42$ kt	$R_{-3} = 3.5$	$\Delta T_{min,3} = -8.0$ °C	$\Delta DIR_{max,-3} = 140^\circ$		NON-SYNOPTIC
$G_V = []$	$R_{+3} = 3.2$	$\Delta Q_{max,3} = 3.0$ hPa	$\Delta DIR_{max,+3} = 70^\circ$		(120)
$G_{cor} = 52.0$ kt	$R_{+6} = 4.1$	Δ Grupo/Group = 1	SUMU 211410Z 23042KT 1000 TSRA FEW040CB OVC001 17/16 Q1011=		
$V_{cor} = 42.0$ kt					



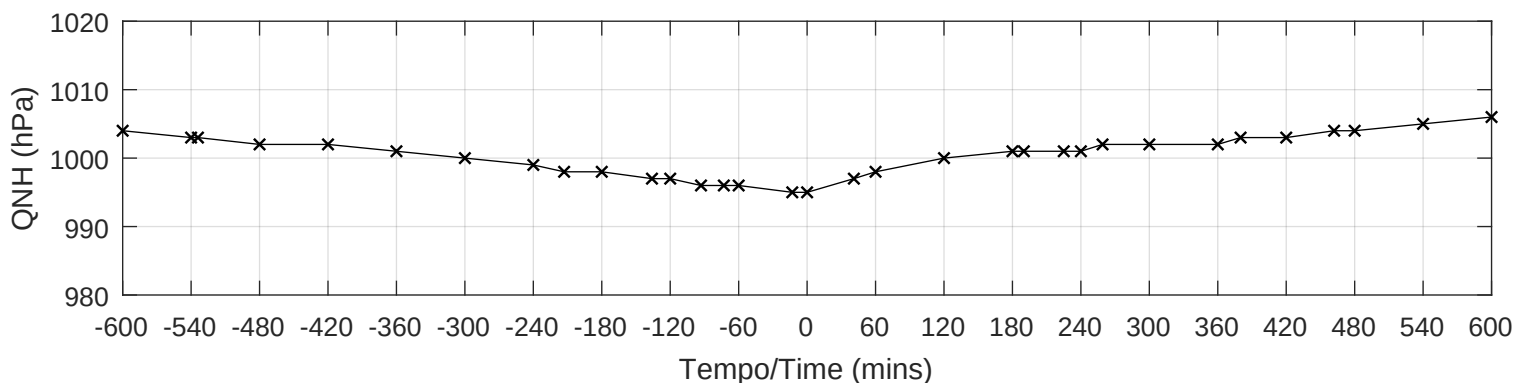
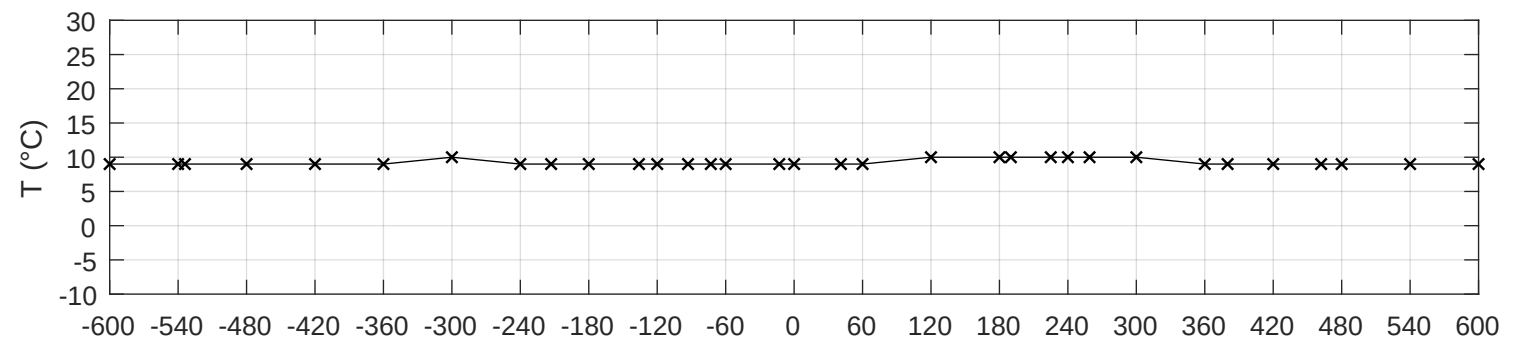
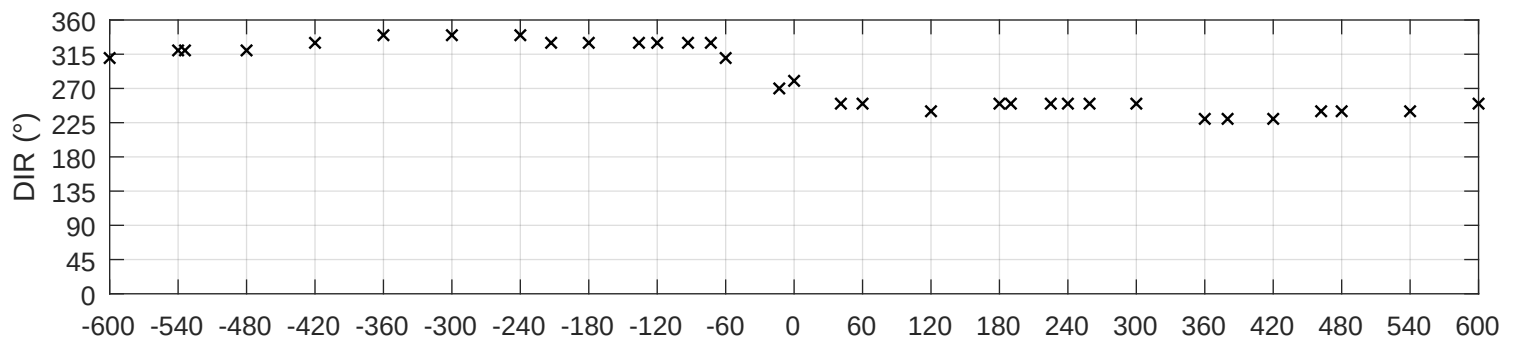
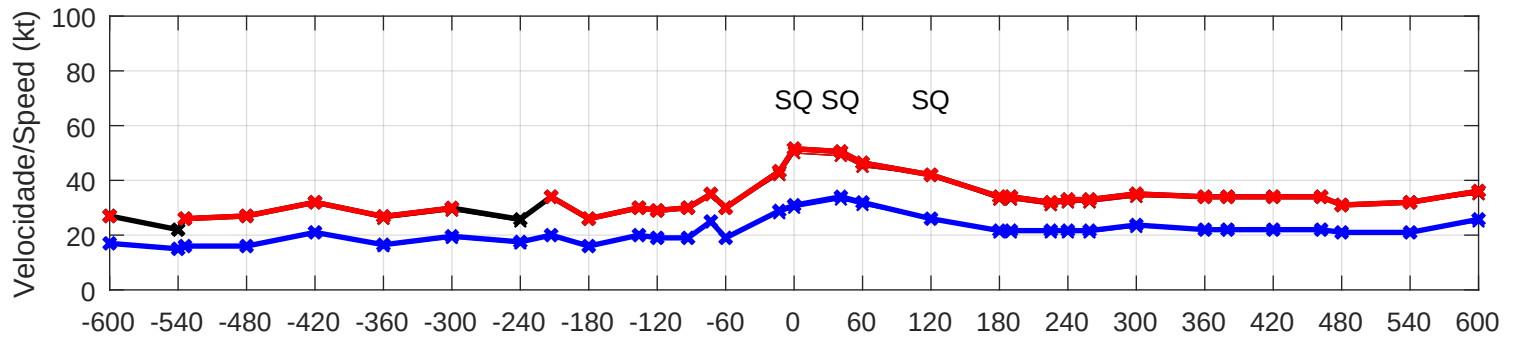
SUMU/86580 EVENTO/EVENT 33 - 28/07/2006, 18:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 50$ kt	$R_{-6} = 1.4$	$T_{med,3} = 10.3$ °C	$DIR = 280^\circ$	NÃO/NO	SINÓTICO
$V_{obs} = 37$ kt	$R_{-3} = 1.3$	$\Delta T_{min,3} = -1.0$ °C	$\Delta DIR_{max,-3} = 10^\circ$		SYNOPTIC
$G_V = 1.4$	$R_{+3} = 1.3$	$\Delta Q_{max,3} = 0.0$ hPa	$\Delta DIR_{max,+3} = 50^\circ$		(215)
$G_{cor} = 51.5$ kt	$R_{+6} = 1.4$	Δ Grupo/Group = 3	SUMU 281800Z 28037G50KT 8000 SHRA OVC023 09/04 Q1008 WS LDGRWY24=		
$V_{cor} = 38.1$ kt					



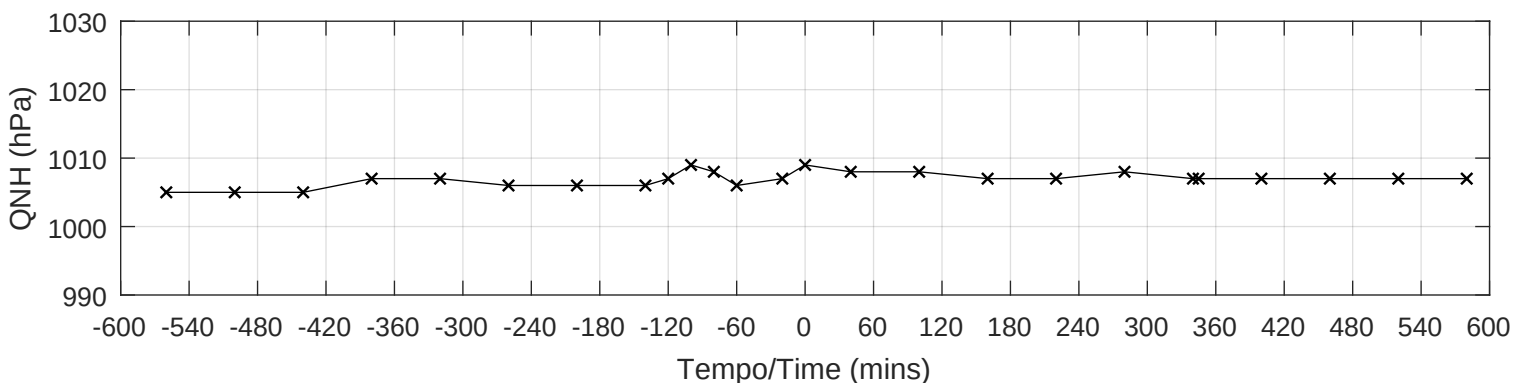
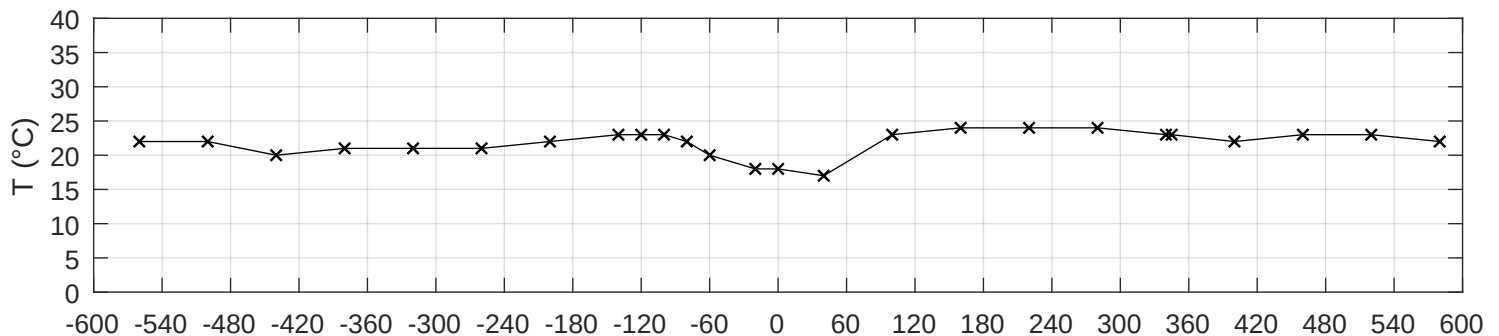
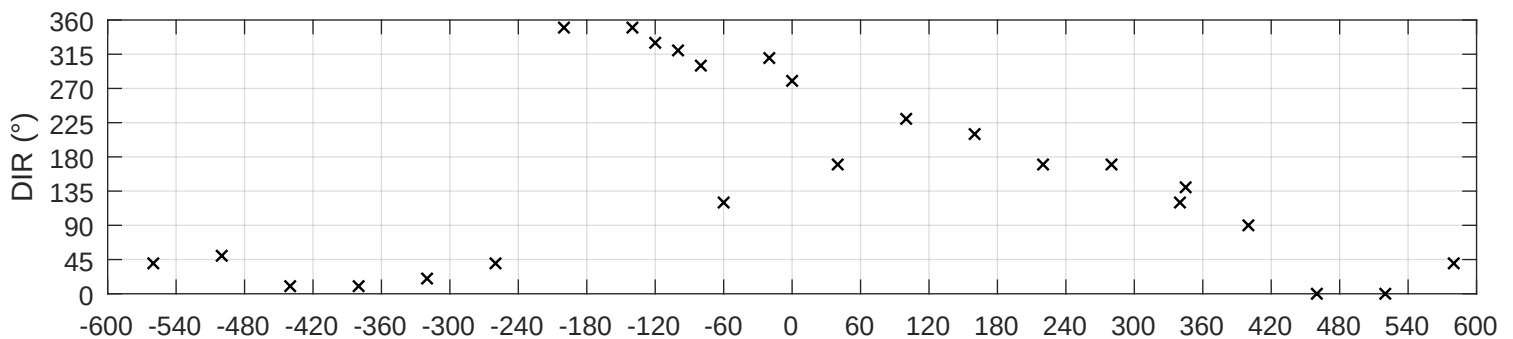
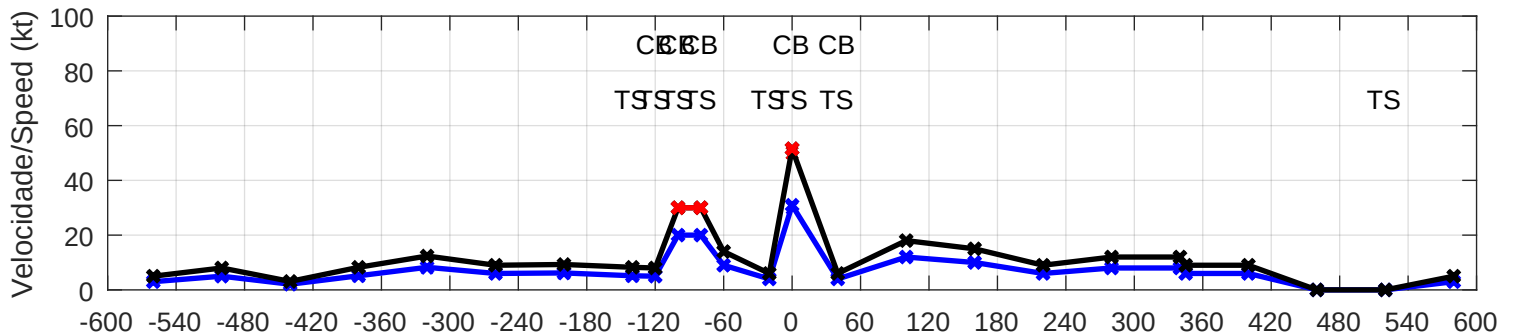
SUMU/86580 EVENTO/EVENT 34 - 26/08/2014, 01:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 50$ kt	$R_{-6} = 1.7$	$T_{med,3} = 9.0$ °C	$DIR = 280^\circ$	NÃO/NO	SINÓTICO
$V_{obs} = 30$ kt	$R_{-3} = 1.7$	$\Delta T_{min,3} = 0.0$ °C	$\Delta DIR_{max,-3} = 50^\circ$		SYNOPTIC
$G_V = 1.7$	$R_{+3} = 1.1$	$\Delta Q_{max,3} = 3.0$ hPa	$\Delta DIR_{max,+3} = 40^\circ$		(215)
$G_{cor} = 51.5$ kt	$R_{+6} = 1.3$	Δ Grupo/Group = 3	METAR SUMU 260100Z 28030G50KT 3000 RA SQ BKN010 OVC026 09/08 Q0995 NOSIG=		
$V_{cor} = 30.9$ kt					



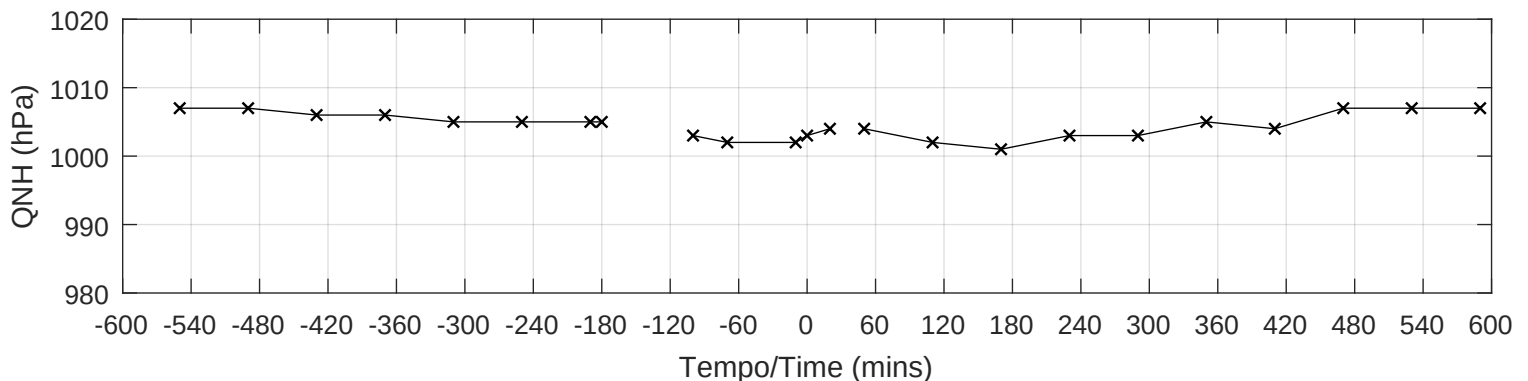
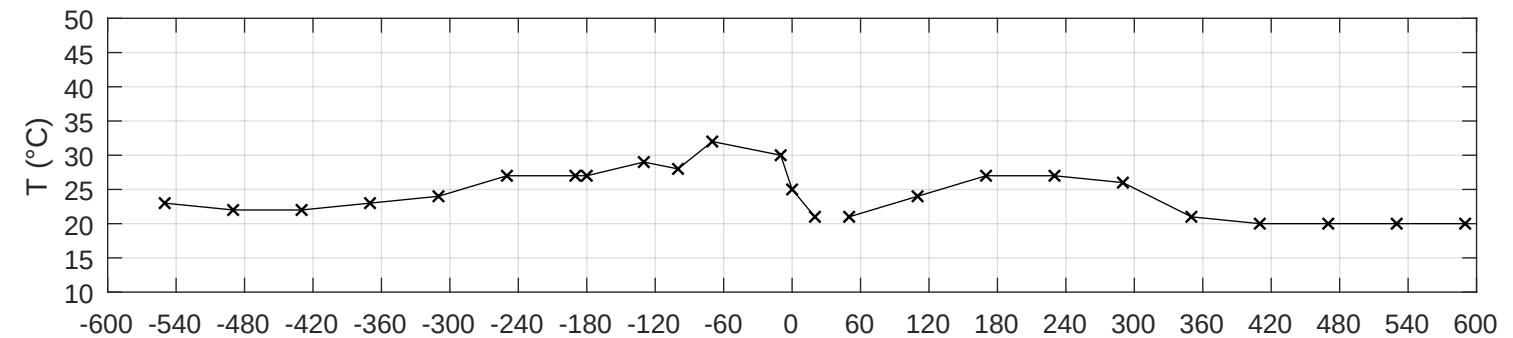
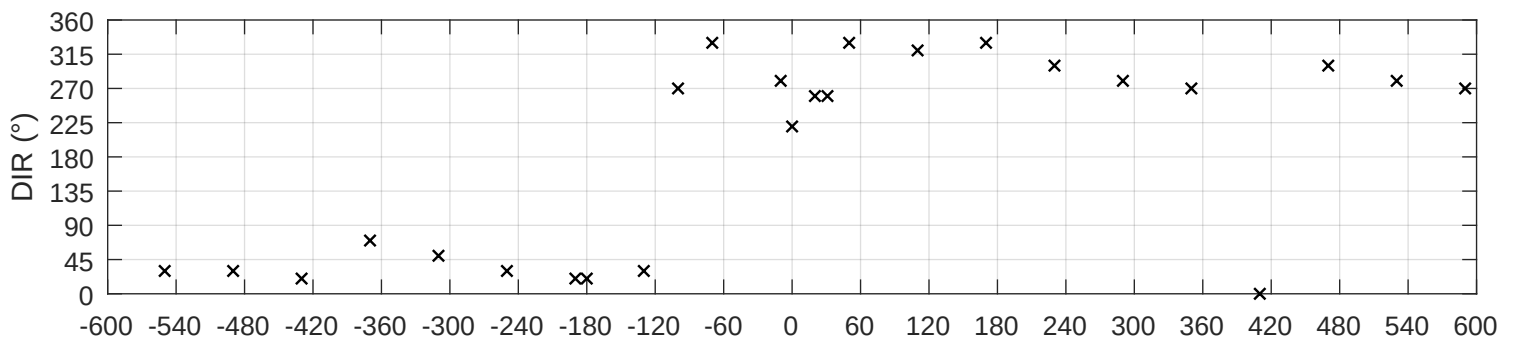
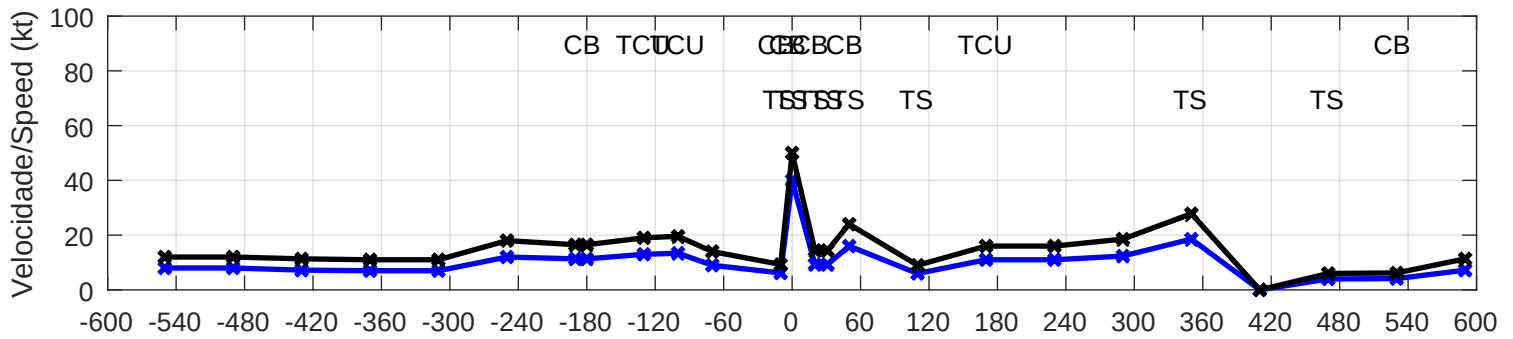
SUMU/86580 EVENTO/EVENT 35 - 14/12/2015, 13:20 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 50$ kt	$R_{-6} = 4.0$	$T_{med,3} = 21.8$ °C	$DIR = 280^\circ$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 30$ kt	$R_{-3} = 3.2$	$\Delta T_{min,3} = -6.0$ °C	$\Delta DIR_{max,-3} = 160^\circ$		NON-SYNOPTIC
$G_V = 1.7$	$R_{+3} = 3.8$	$\Delta Q_{max,3} = 3.0$ hPa	$\Delta DIR_{max,+3} = 110^\circ$		(110)
$G_{cor} = 51.5$ kt	$R_{+6} = 4.3$	Δ Grupo/Group = 1	SPECI SUMU 141320Z 28030G50KT 0300 +TSRA BKN002 BKN020 FEW040CB18/16 Q1009=		
$V_{cor} = 30.9$ kt					



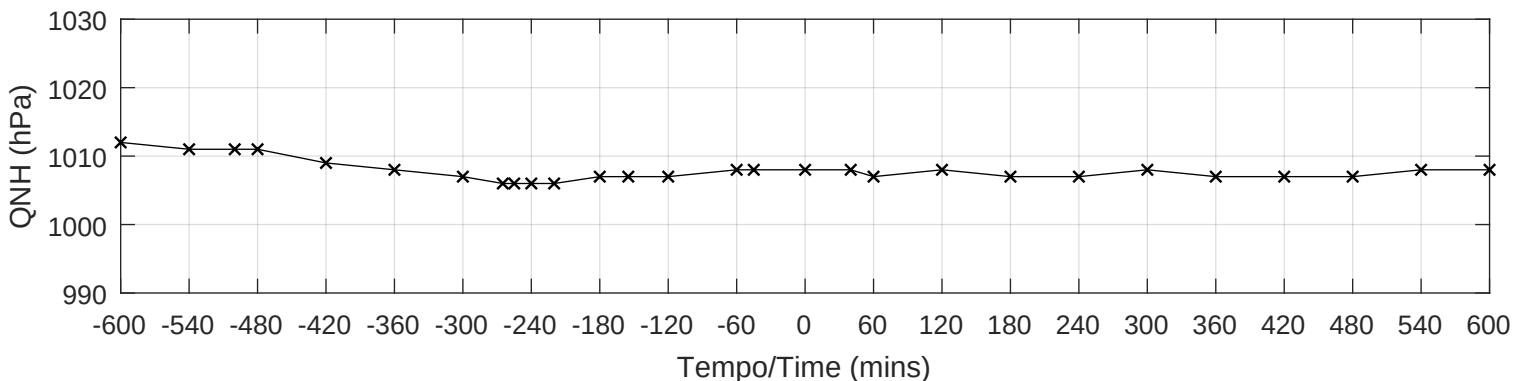
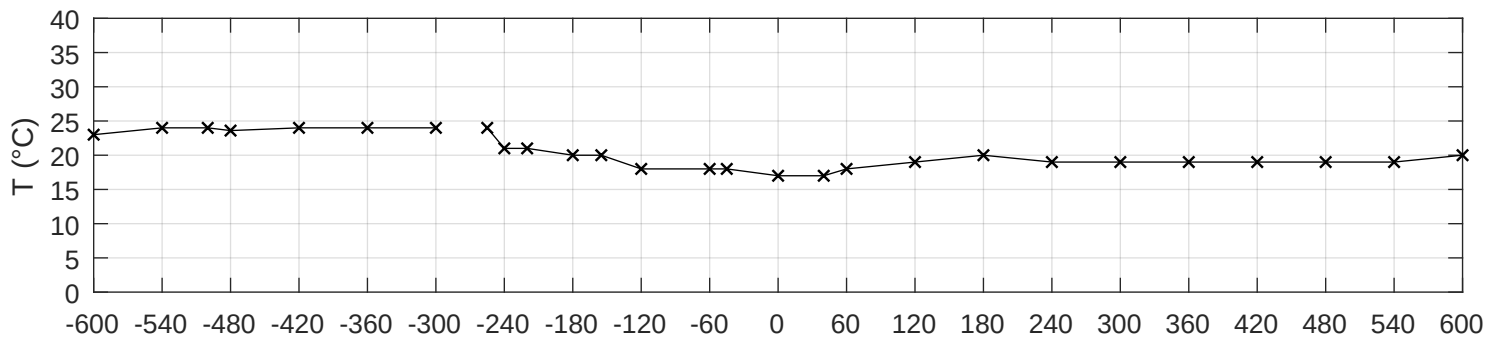
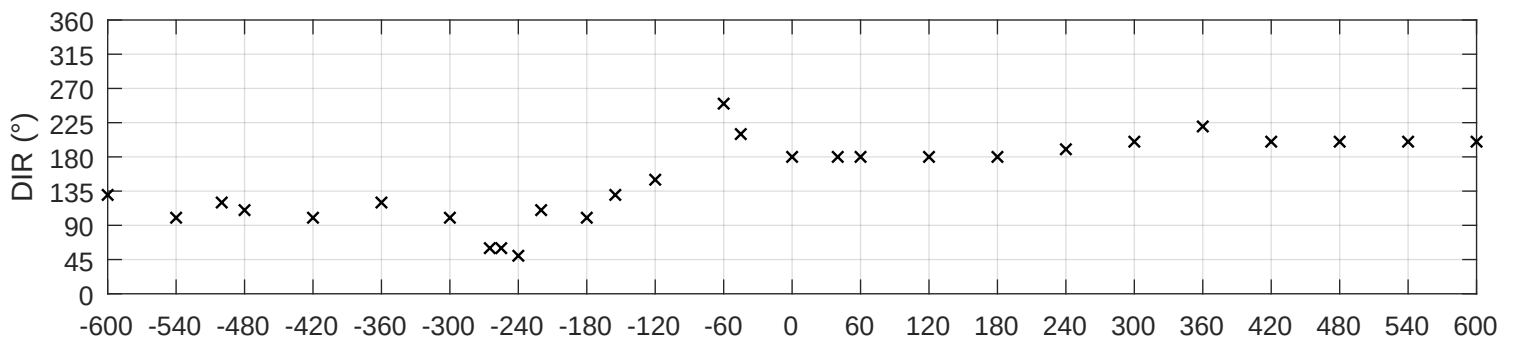
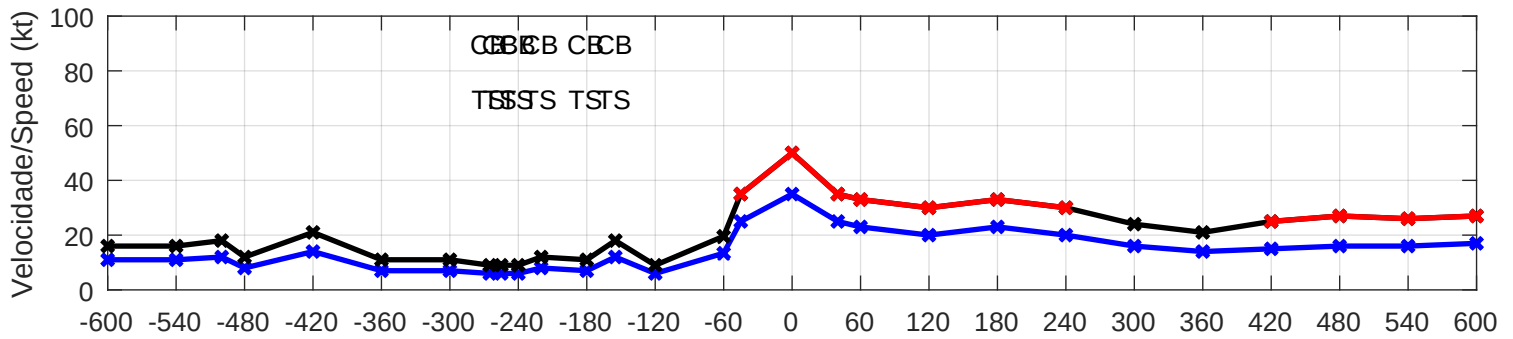
SUMU/86580 EVENTO/EVENT 36 - 21/01/1998, 16:10 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 50$ kt	$R_{-6} = 3.2$	$T_{med,3} = 29.3$ °C	$DIR = 220^\circ$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 40$ kt	$R_{-3} = 3.1$	$\Delta T_{min,3} = -11.0$ °C	$\Delta DIR_{max,-3} = 170^\circ$		NON-SYNOPTIC
$G_V = []$	$R_{+3} = 3.1$	$\Delta Q_{max,3} = 2.0$ hPa	$\Delta DIR_{max,+3} = 110^\circ$		(120)
$G_{cor} = 50.0$ kt	$R_{+6} = 2.8$	Δ Grupo/Group = 1	METAR SUMU 211610Z 22040KT 1600 TSRA SCT010 FEW040CB OVC080 25/22 Q10 03		
$V_{cor} = 40.0$ kt					



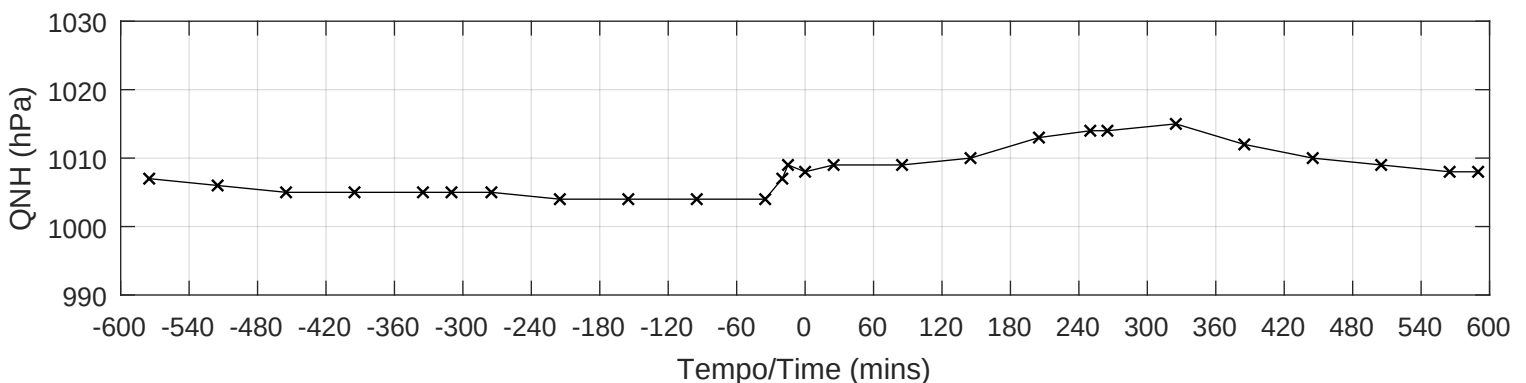
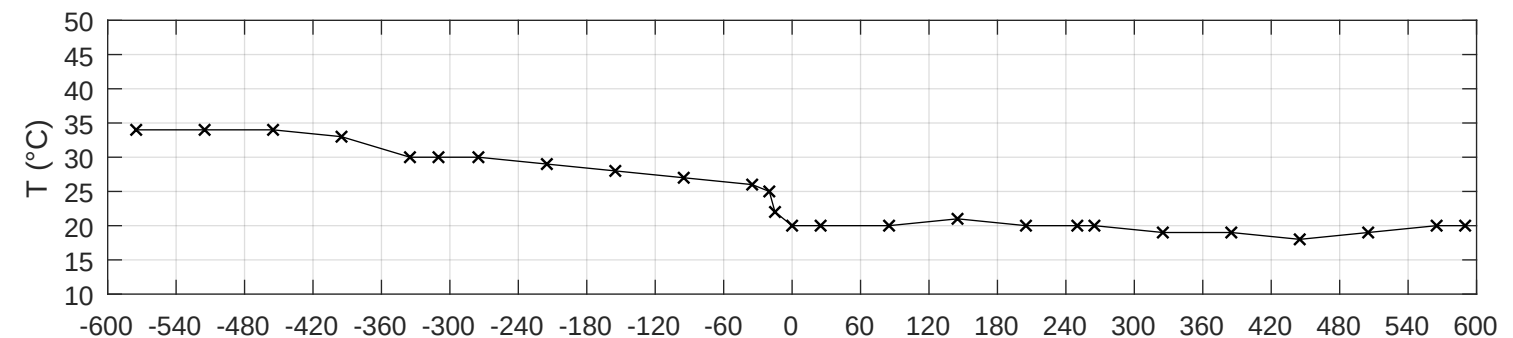
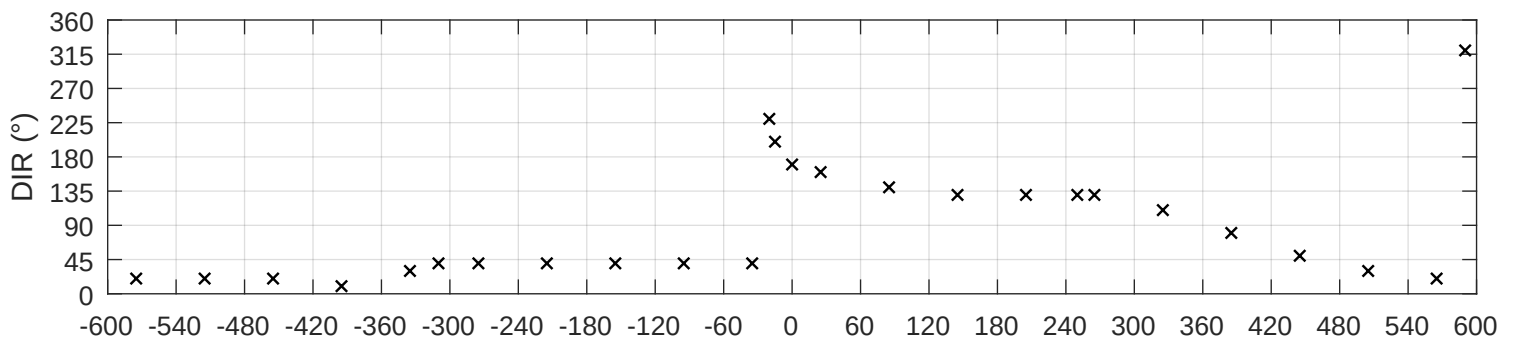
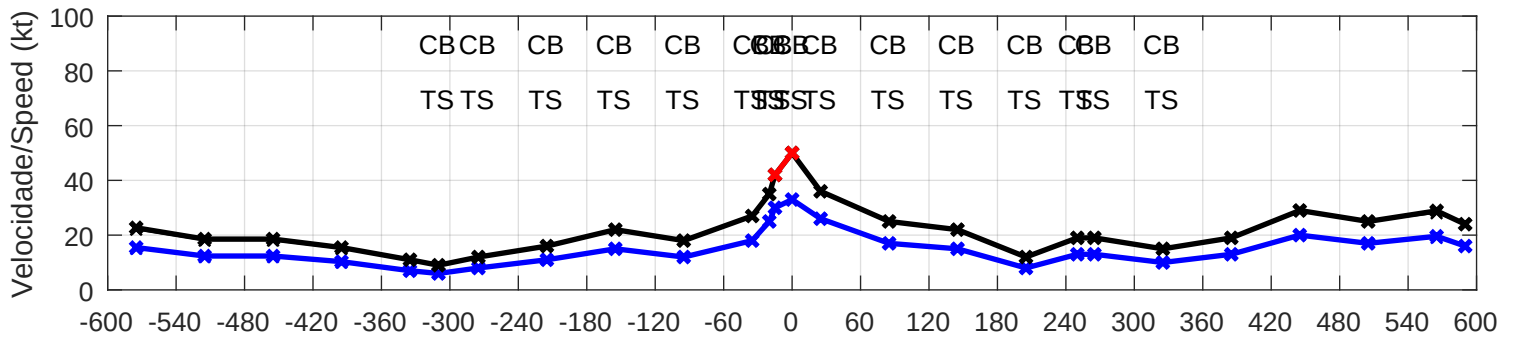
SUMU/86580 EVENTO/EVENT 37 - 04/03/2006, 02:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 50$ kt	$R_{-6} = 3.4$	$T_{med,3} = 18.9$ °C	$DIR = 180^\circ$	NÃO/NO	SINÓTICO
$V_{obs} = 35$ kt	$R_{-3} = 2.7$	$\Delta T_{min,3} = -1.0$ °C	$\Delta DIR_{max,-3} = 80^\circ$		SYNOPTIC
$G_V = 1.4$	$R_{+3} = 1.5$	$\Delta Q_{max,3} = 1.0$ hPa	$\Delta DIR_{max,+3} = 0^\circ$		(214)
$G_{cor} = 50.0$ kt	$R_{+6} = 1.7$	Δ Grupo/Group = 3	SUMU 040200Z 18035G50KT 9999 SCT003 SCT070 17/16 Q1008 SWLDG06 -24=		
$V_{cor} = 35.0$ kt					



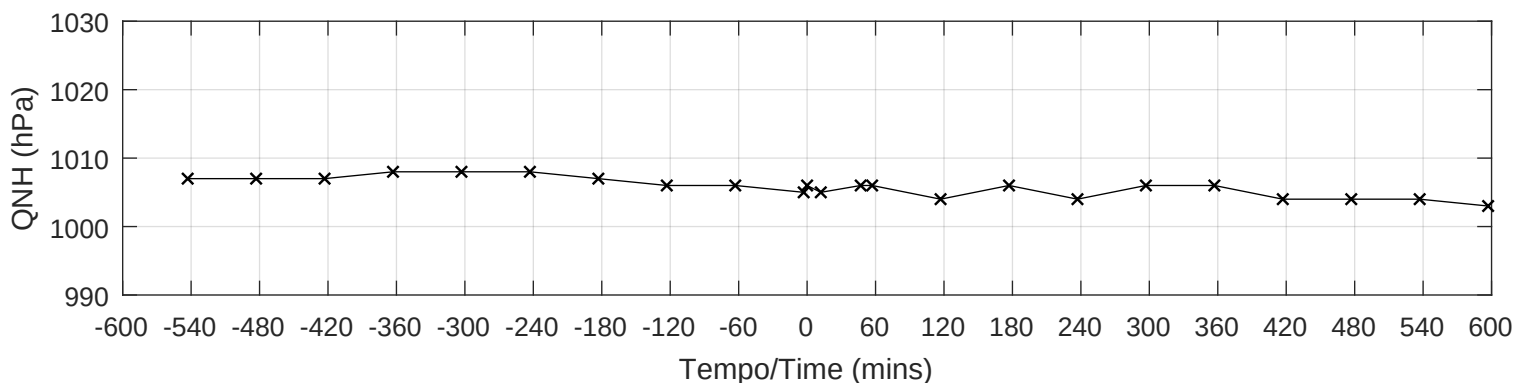
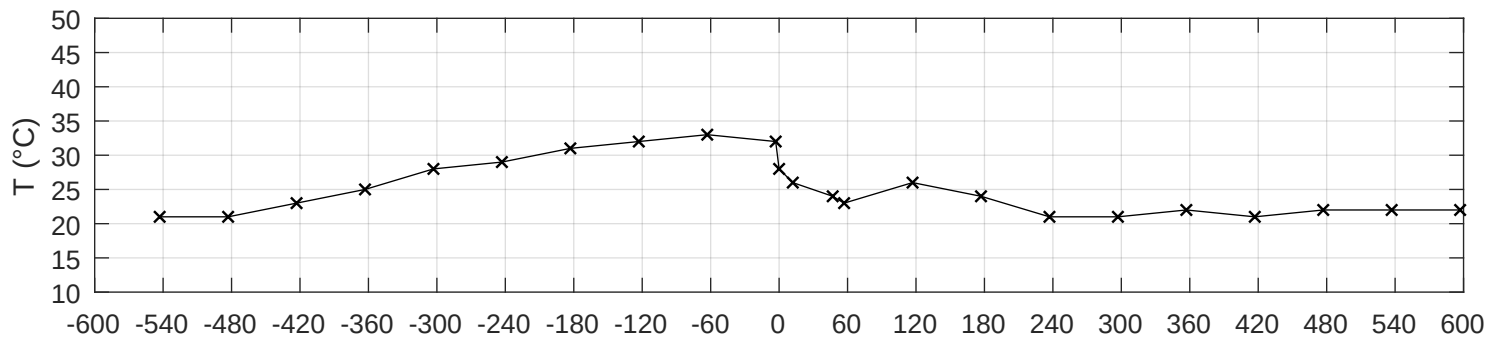
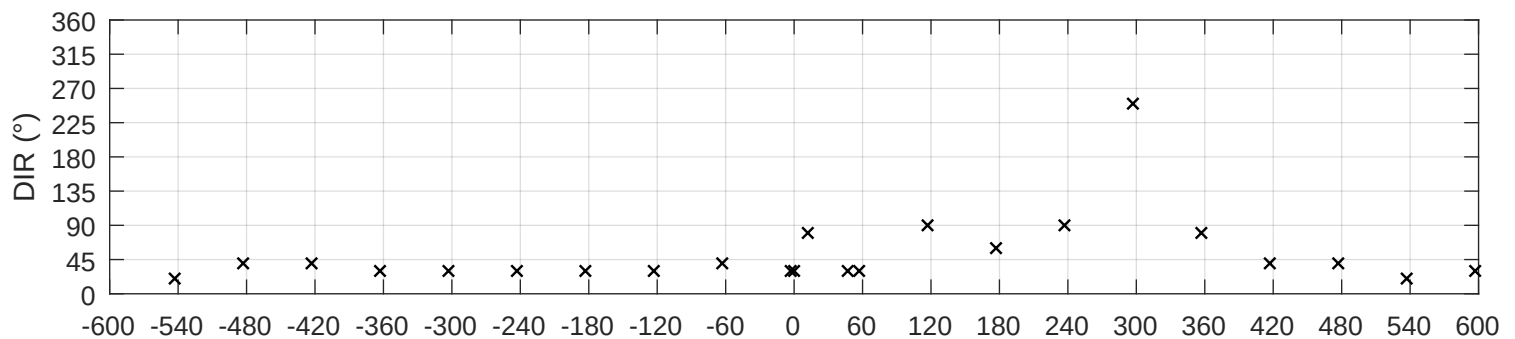
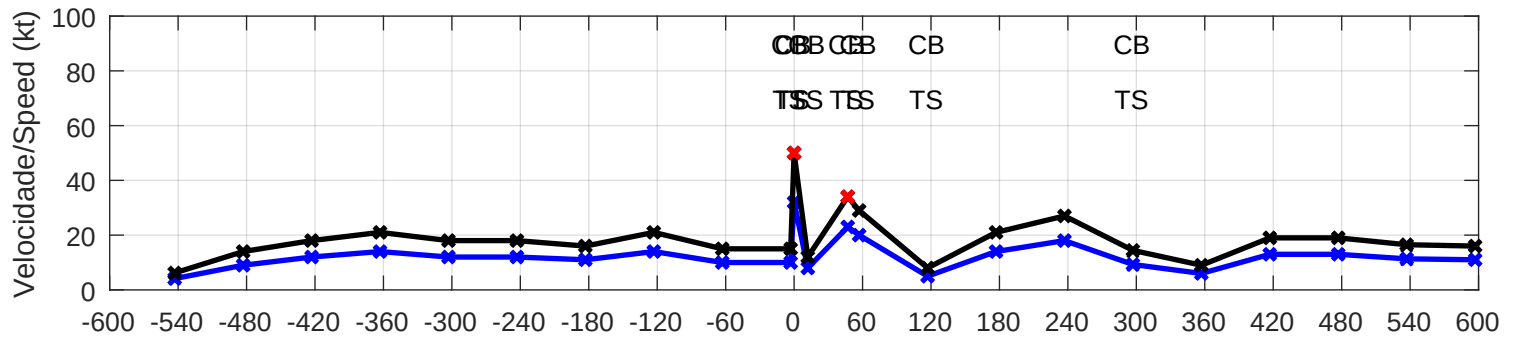
SUMU/86580 EVENTO/EVENT 38 - 17/12/2006, 04:35 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 50 \text{ kt}$	$R_{-6} = 2.8$	$T_{med,3} = 27.5 \text{ }^{\circ}\text{C}$	$DIR = 170^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 33 \text{ kt}$	$R_{-3} = 2.1$	$\Delta T_{min,3} = -7.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 130^{\circ}$		NON-SYNOPTIC
$G_V = 1.5$	$R_{+3} = 1.8$	$\Delta Q_{max,3} = 5.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 40^{\circ}$		(110)
$G_{cor} = 50.0 \text{ kt}$	$R_{+6} = 2.3$	$\Delta \text{Grupo/Group} = 1$	SPECI SUMU 170435Z 17033G50KT 1800 TSRA BKN008 FEW040CB OVC070 20/19 Q1008		
$V_{cor} = 33.0 \text{ kt}$					



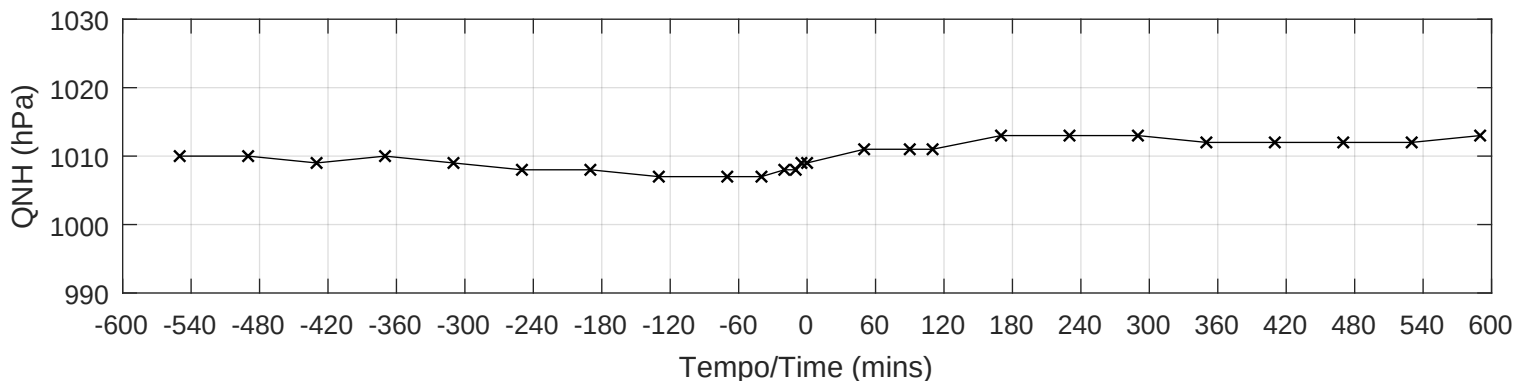
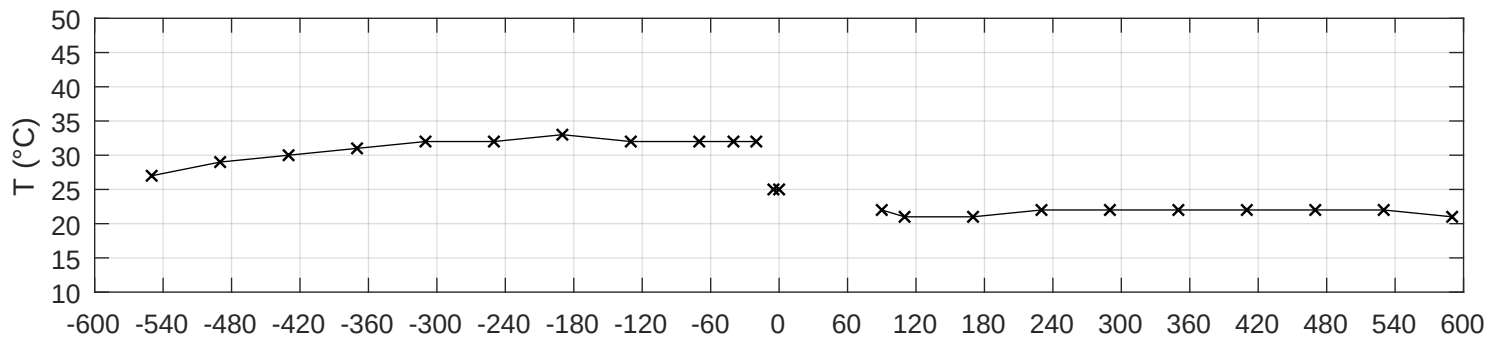
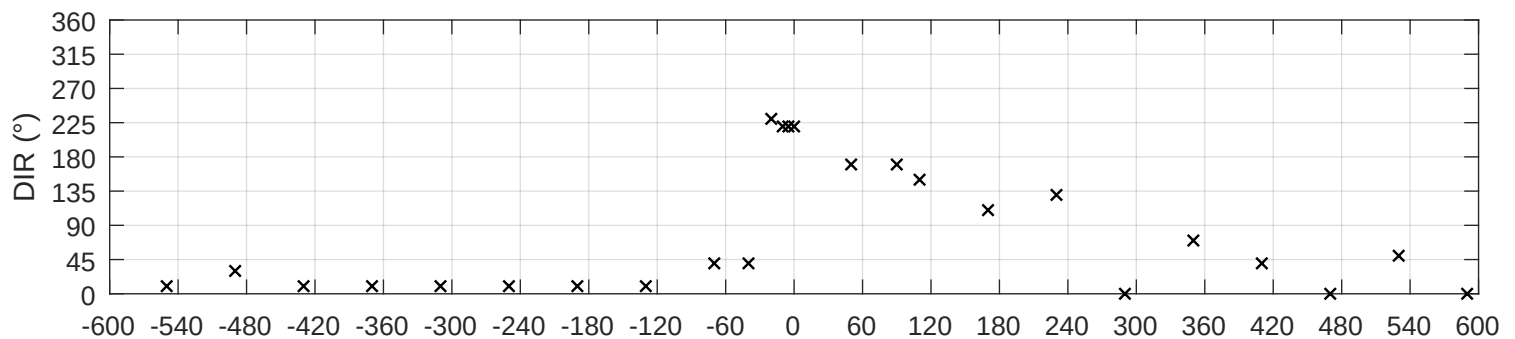
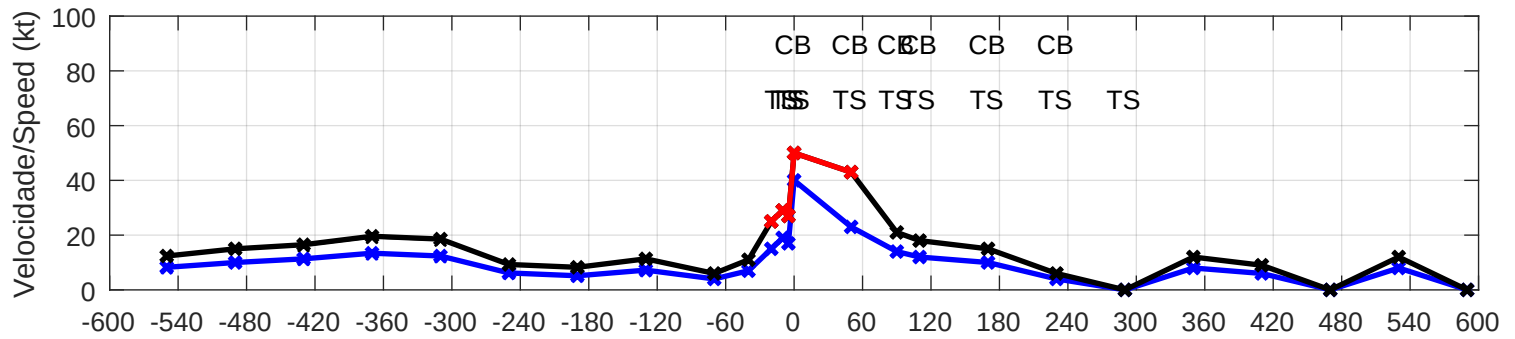
SUMU/86580 EVENTO/EVENT 39 - 15/02/2007, 18:03 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 50 \text{ kt}$	$R_{-6} = 2.8$	$T_{med,3} = 32.5 \text{ }^{\circ}\text{C}$	$DIR = 30^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 32 \text{ kt}$	$R_{-3} = 2.8$	$\Delta T_{min,3} = -10.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		NON-SYNOPTIC
$G_V = 1.6$	$R_{+3} = 2.7$	$\Delta Q_{max,3} = 1.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 60^{\circ}$		(110)
$G_{cor} = 50.0 \text{ kt}$	$R_{+6} = 2.8$	Δ Grupo/Group = 1	SUMU 151803Z 03032G50KT 6000 TSRA BKN030 FEW040CB BKN070 BKN200 28/20 Q1006=		
$V_{cor} = 32.0 \text{ kt}$					



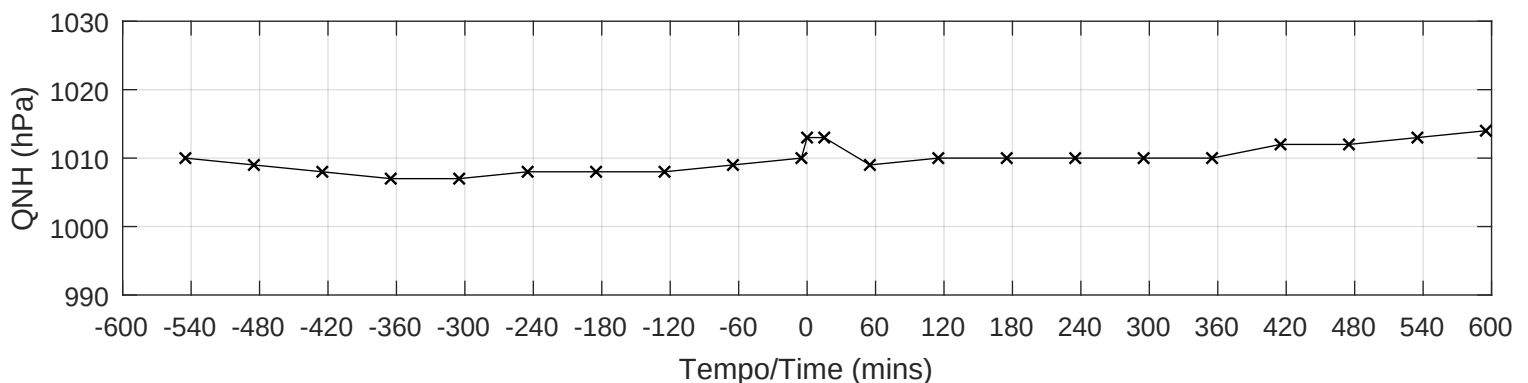
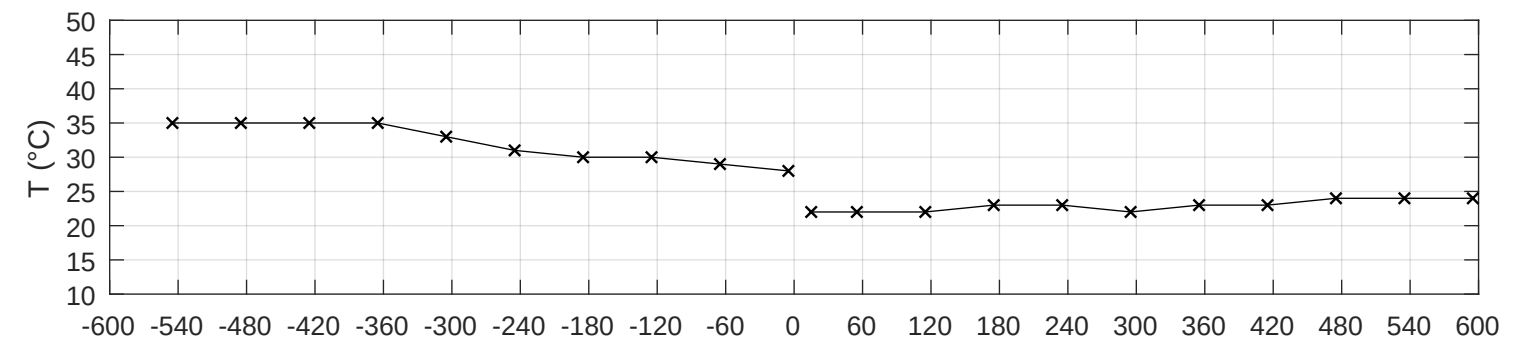
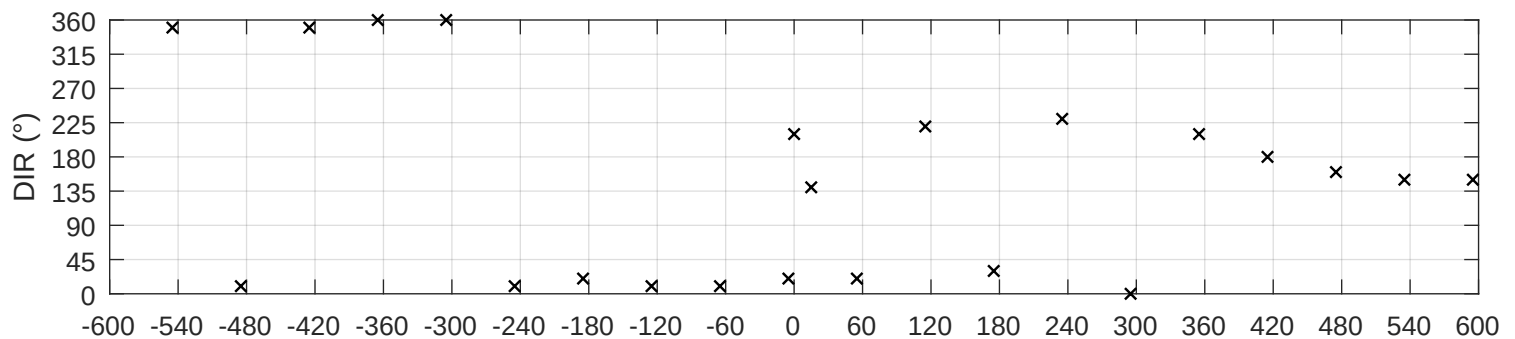
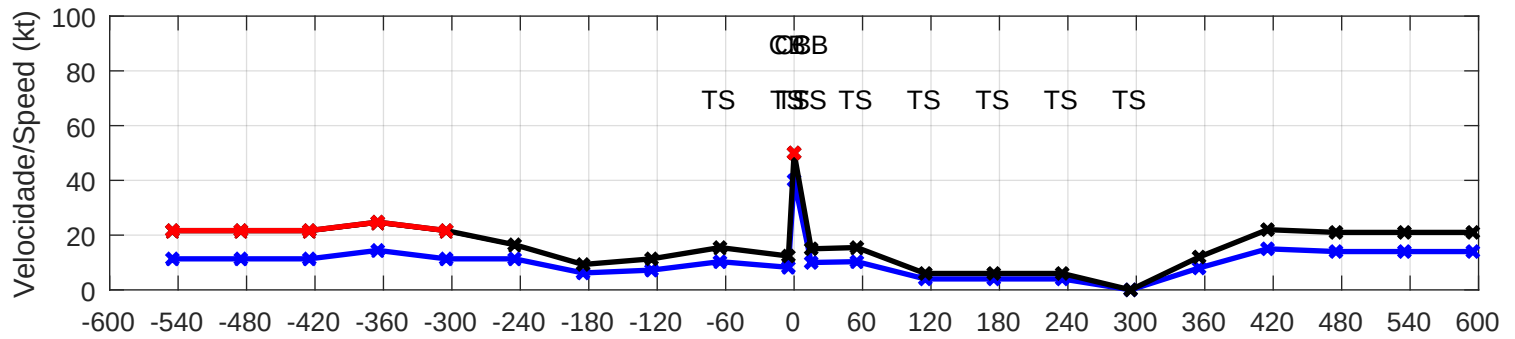
SUMU/86580 EVENTO/EVENT 40 - 05/03/2012, 22:10 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 50 \text{ kt}$	$R_{-6} = 4.2$	$T_{med,3} = 32.0 \text{ }^{\circ}\text{C}$	$DIR = 220^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 40 \text{ kt}$	$R_{-3} = 4.1$	$\Delta T_{min,3} = -7.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 180^{\circ}$		NON-SYNOPTIC
$G_V = 1.3$	$R_{+3} = 2.2$	$\Delta Q_{max,3} = 4.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 110^{\circ}$		(110)
$G_{cor} = 50.0 \text{ kt}$	$R_{+6} = 3.5$	Δ Grupo/Group = 1	SPECI SUMU 052210Z 22040G50KT 1000 TSSHRA		
$V_{cor} = 40.0 \text{ kt}$			FEW040CB OVC007 25/22Q1009=		



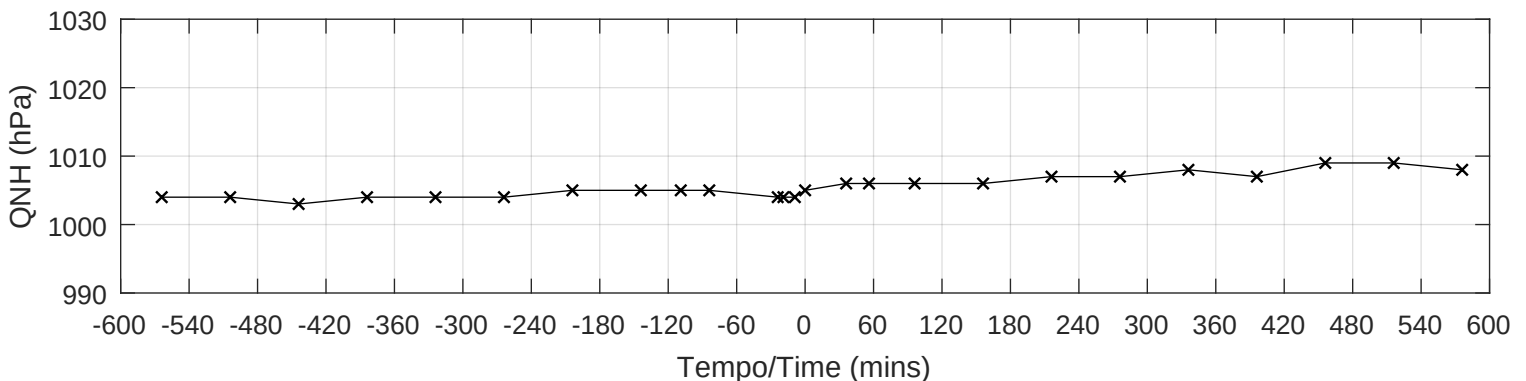
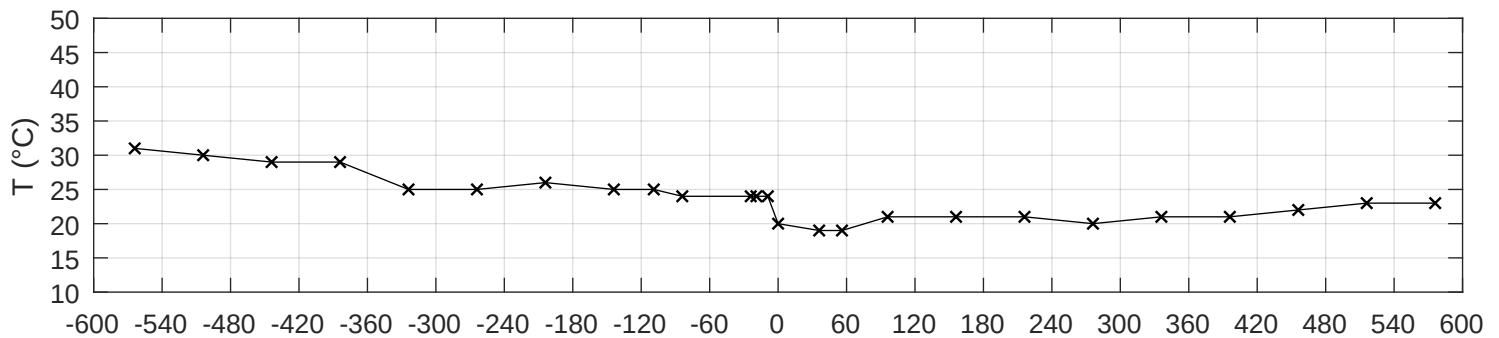
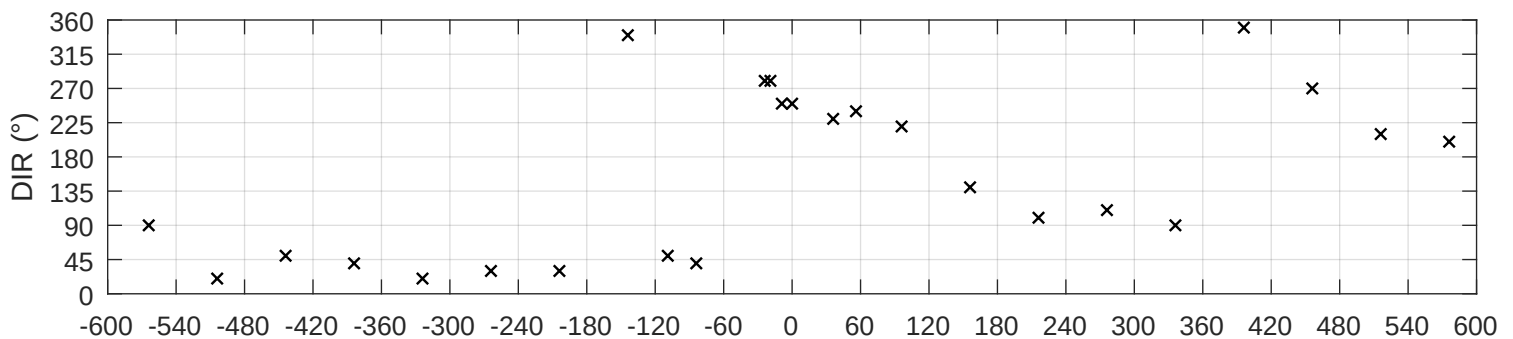
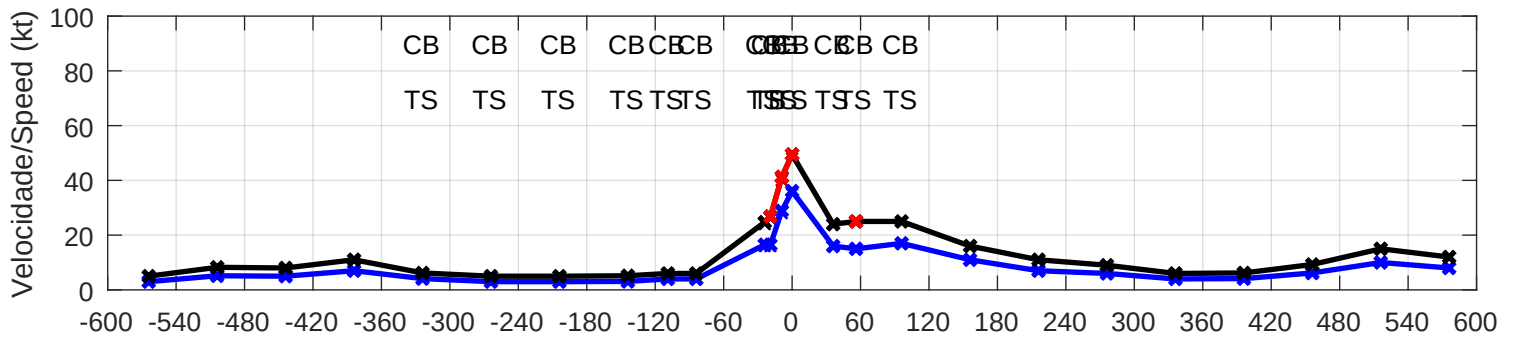
SUMU/86580 EVENTO/EVENT 41 - 23/01/2016, 03:05 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 50 \text{ kt}$	$R_{-6} = 3.5$	$T_{med,3} = 29.5 \text{ }^{\circ}\text{C}$	$DIR = 210^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 40 \text{ kt}$	$R_{-3} = 3.9$	$\Delta T_{min,3} = -7.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 170^{\circ}$		NON-SYNOPTIC
$G_V = 1.3$	$R_{+3} = 5.0$	$\Delta Q_{max,3} = 4.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 180^{\circ}$		(110)
$G_{cor} = 50.0 \text{ kt}$	$R_{+6} = 6.1$	$\Delta \text{ Grupo/Group} = 1$	SPECI SUMU 230305Z 21040G50KT 0150 + TSRA FEW002 SCT040CBOVC080 2/17 Q1013=		
$V_{cor} = 40.0 \text{ kt}$					

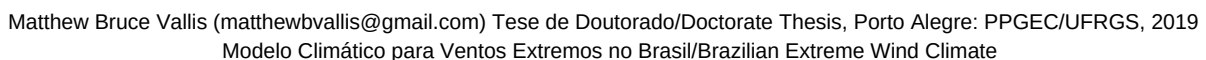


SUMU/86580 EVENTO/EVENT 42 - 23/12/2017, 05:24 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 48 \text{ kt}$	$R_{-6} = 6.5$	$T_{med,3} = 24.5 \text{ }^{\circ}\text{C}$	$DIR = 250^{\circ}$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 35 \text{ kt}$	$R_{-3} = 4.9$	$\Delta T_{min,3} = -6.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 160^{\circ}$		NON-SYNOPTIC
$G_V = 1.4$	$R_{+3} = 2.2$	$\Delta Q_{max,3} = 2.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 110^{\circ}$		(110)
$G_{cor} = 49.5 \text{ kt}$	$R_{+6} = 3.1$	Δ Grupo/Group = 1	SPECI SUMU 230524Z 25035G48KT 1000 R24 1100 R19 1100 TSRA SCT015FEW040CB BKN070 20/17 Q1005=		
$V_{cor} = 36.1 \text{ kt}$					

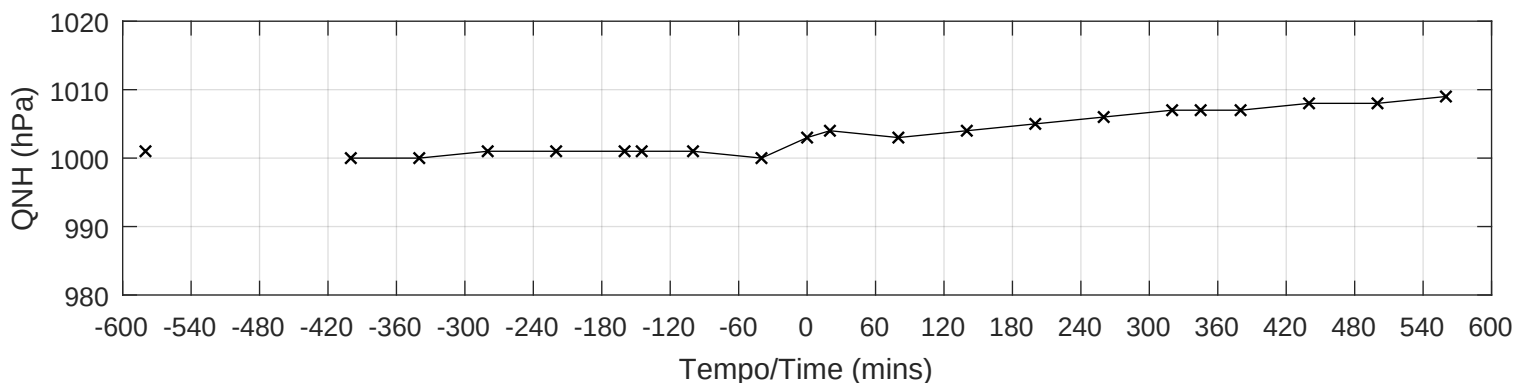
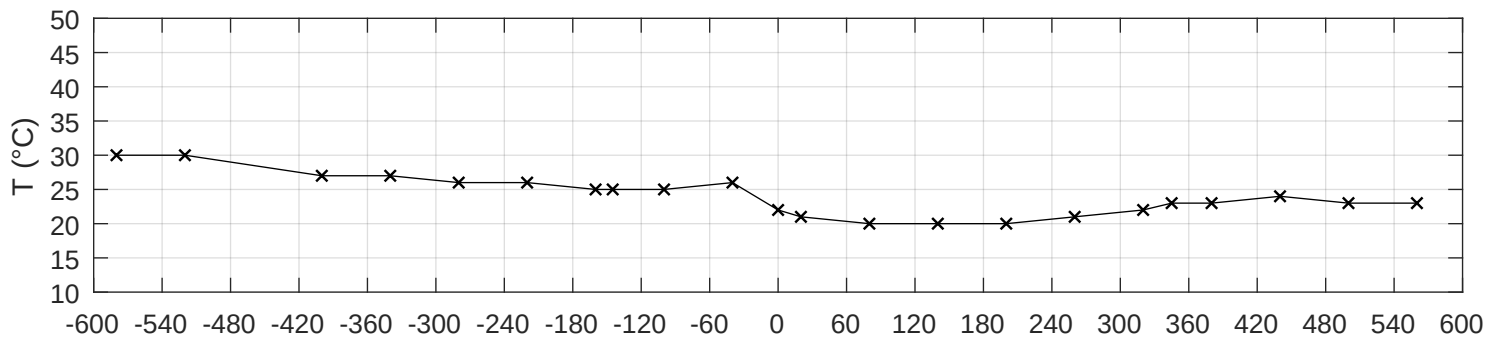
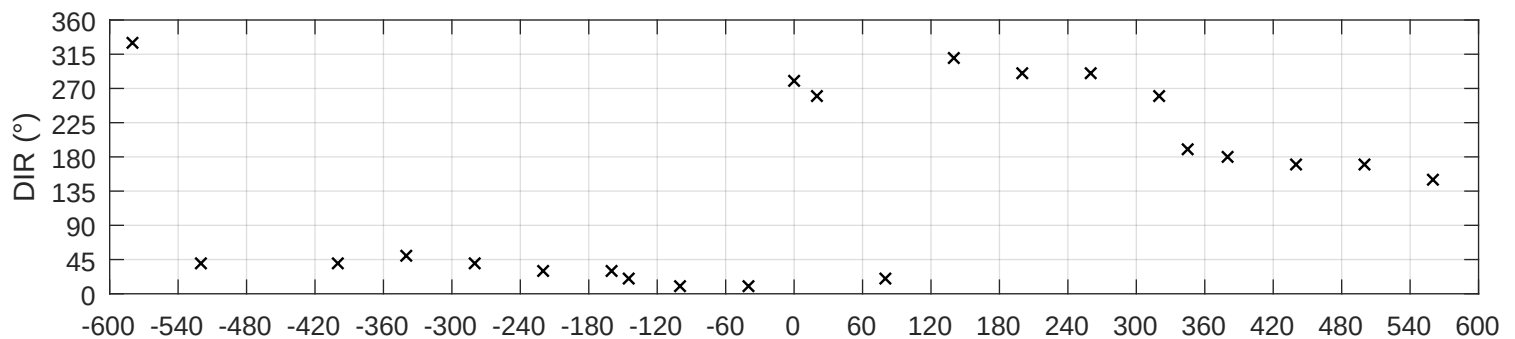
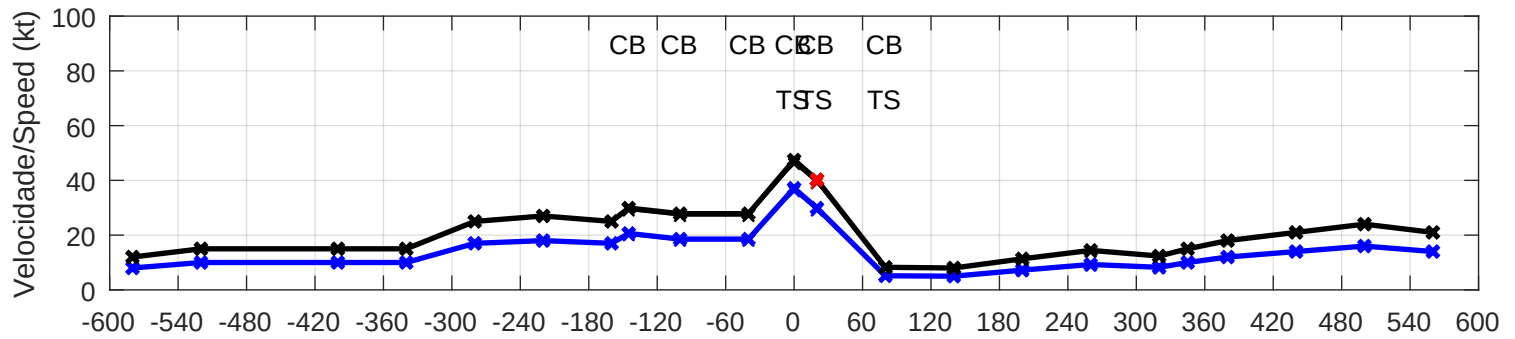


Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 48 \text{ kt}$	$R_{-6} = 1.6$	$T_{med,3} = 20.0 \text{ }^{\circ}\text{C}$	$DIR = 30^{\circ}$	SIM/YES	SINÓTICO
$V_{obs} = 33 \text{ kt}$	$R_{-3} = 1.7$	$\Delta T_{min,3} = -1.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 40^{\circ}$		SYNOPTIC
$G_v = 1.5$	$R_{+3} = 1.7$	$\Delta Q_{max,3} = 0.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 30^{\circ}$		(213)
$G_{cor} = 48.0 \text{ kt}$	$R_{+6} = 1.5$	$\Delta \text{ Grupo/Group} = 3$	SPECI SUMU 021120Z 03033G48KT 9999 VCTS+RA FEW002 FEW040CB OV05019/19 Q1000=		
$V_{cor} = 33.0 \text{ kt}$					



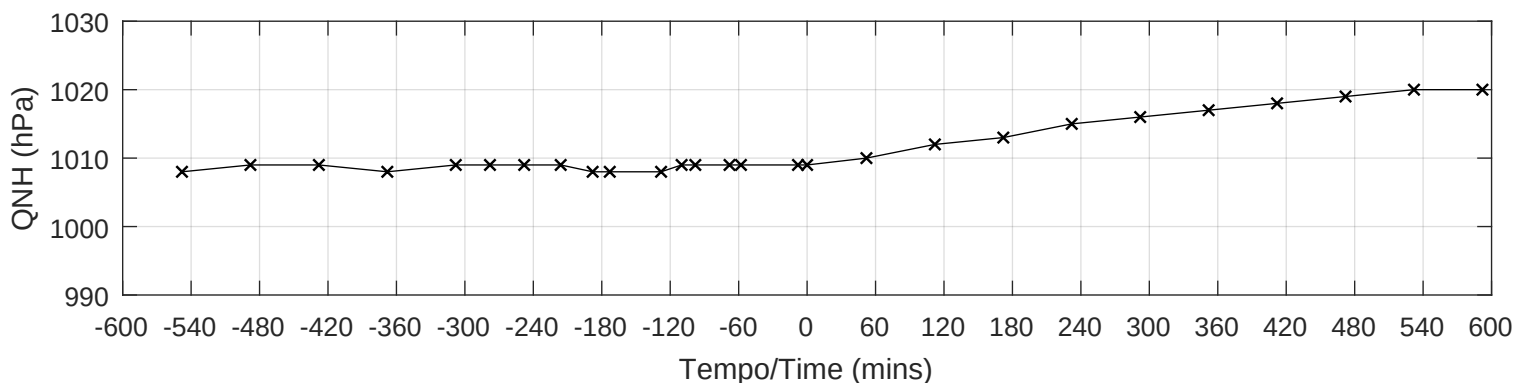
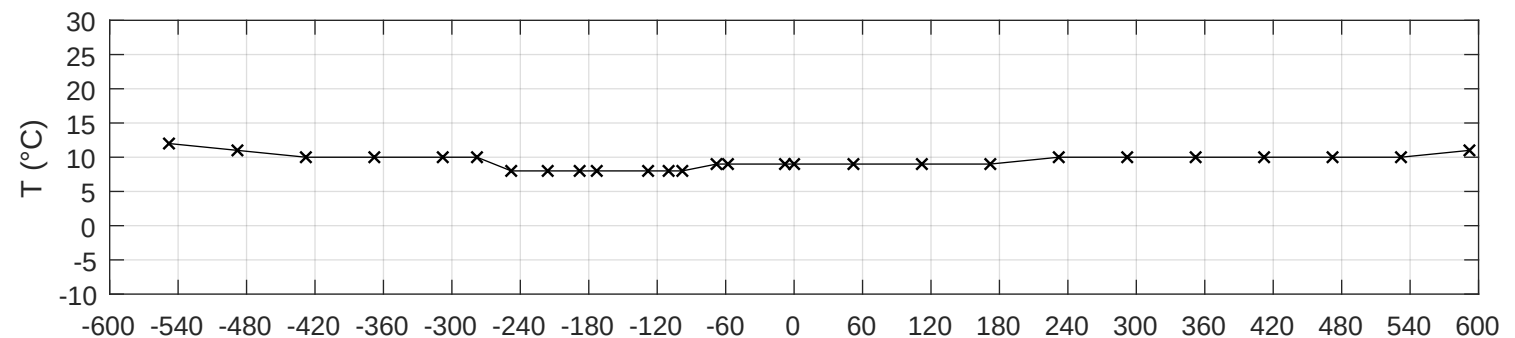
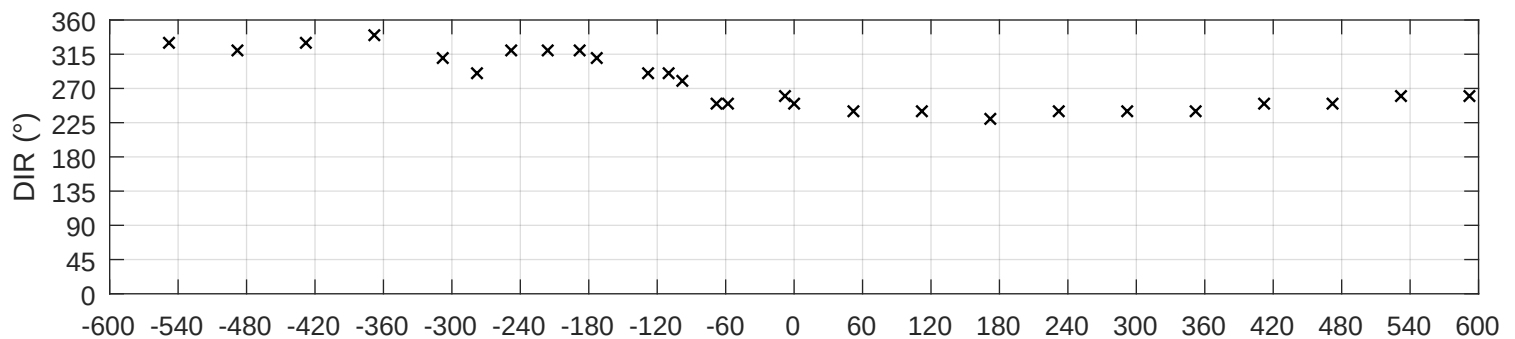
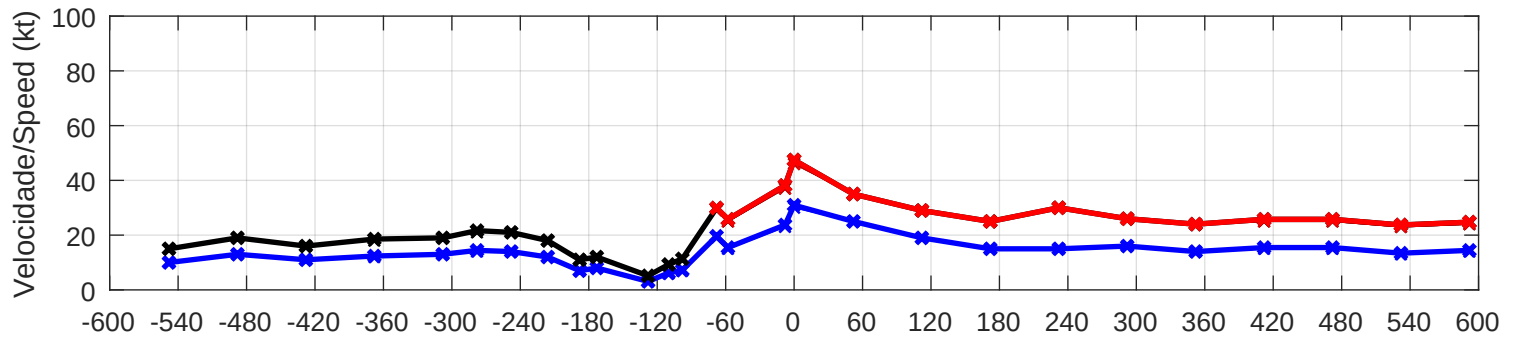
SUMU/86580 EVENTO/EVENT 44 - 10/02/2001, 06:40 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 46$ kt	$R_{-6} = 1.9$	$T_{med,3} = 25.0$ °C	$DIR = 280^\circ$	SIM/YES	NÃO-SINÓTICO
$V_{obs} = 36$ kt	$R_{-3} = 1.7$	$\Delta T_{min,3} = -5.0$ °C	$\Delta DIR_{max,-3} = 110^\circ$		NON-SYNOPTIC
$G_V = []$	$R_{+3} = 2.5$	$\Delta Q_{max,3} = 4.0$ hPa	$\Delta DIR_{max,+3} = 100^\circ$		(120)
$G_{cor} = 47.4$ kt	$R_{+6} = 2.9$	Δ Grupo/Group = 1	SPECI SUMU 100640Z 28036KT 3000 TSRA SCT015 FEW040CB OVC070 22/20 Q10 03		
$V_{cor} = 37.1$ kt					



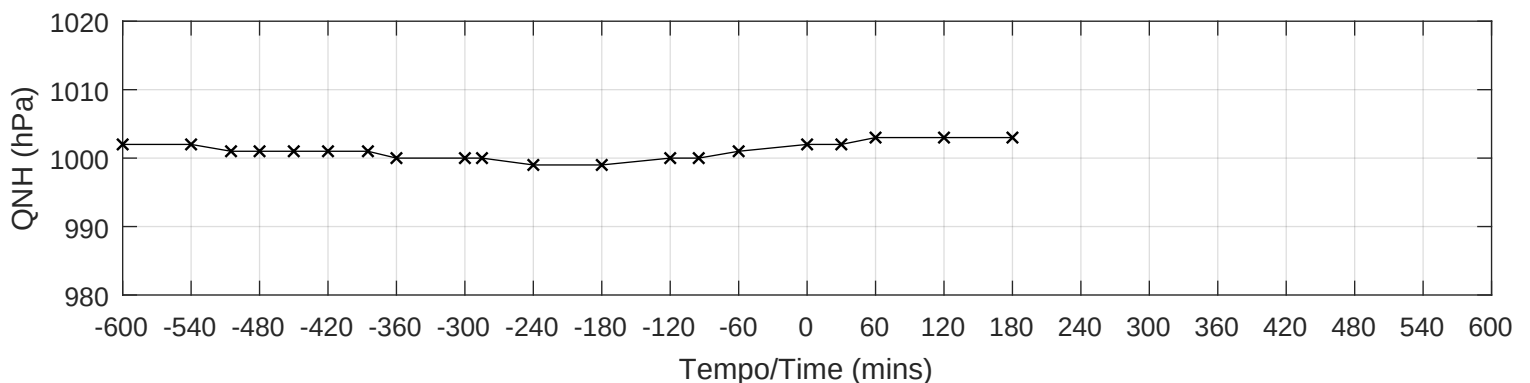
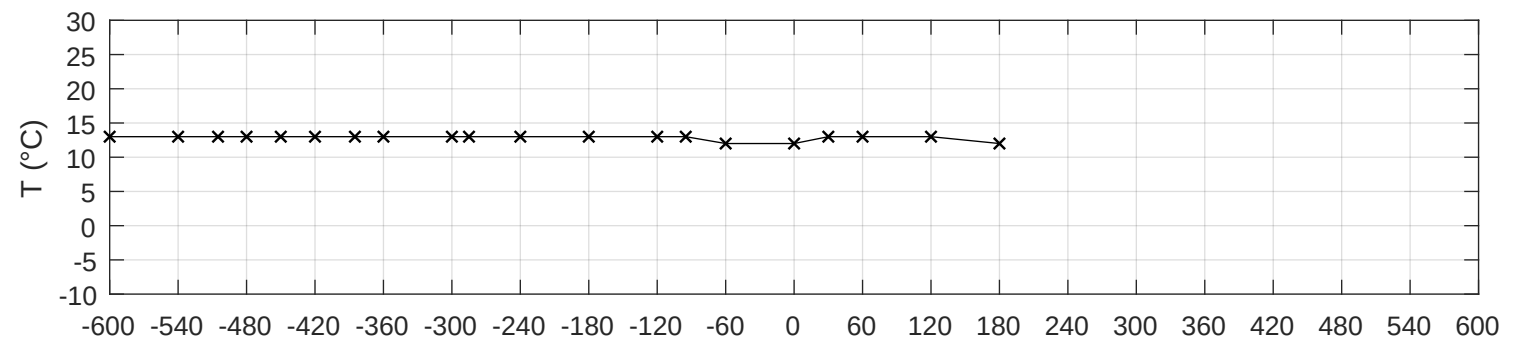
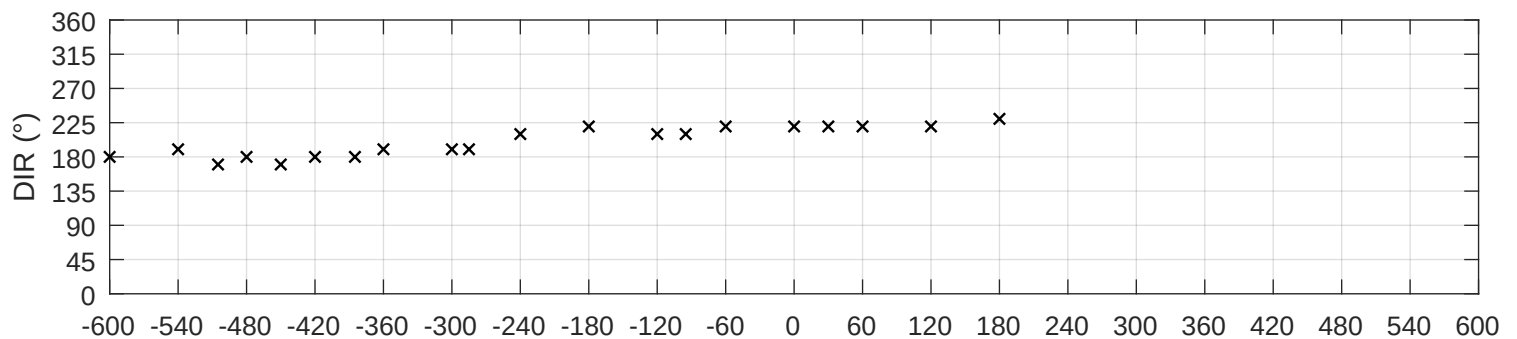
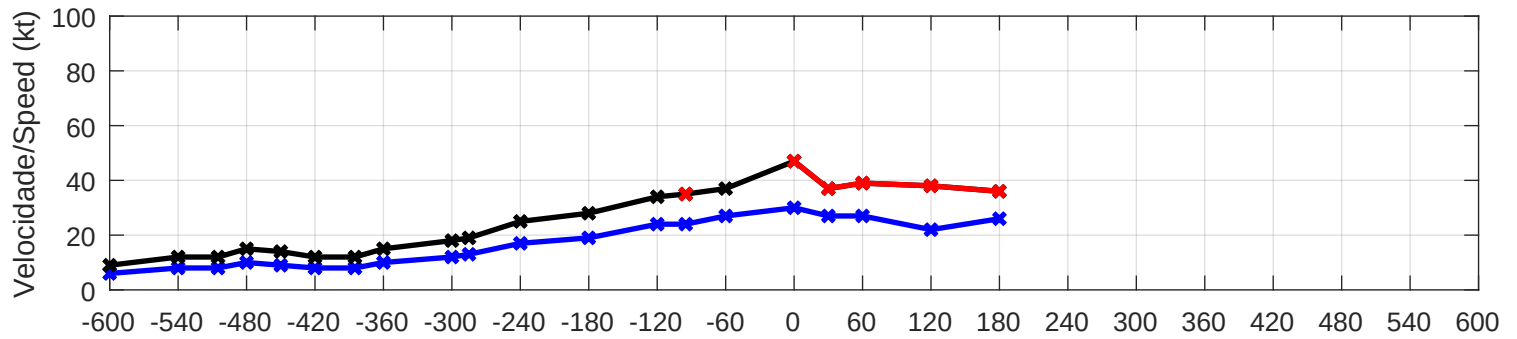
SUMU/86580 EVENTO/EVENT 45 - 13/06/2018, 06:08 UTC (MSS - REDEMETS)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 46 \text{ kt}$	$R_{-6} = 2.6$	$T_{med,3} = 8.1 \text{ }^{\circ}\text{C}$	$DIR = 250^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 30 \text{ kt}$	$R_{-3} = 2.7$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 60^{\circ}$		SYNOPTIC
$G_V = 1.5$	$R_{+3} = 1.6$	$\Delta Q_{max,3} = 1.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 20^{\circ}$		(214)
$G_{cor} = 47.4 \text{ kt}$	$R_{+6} = 1.6$	$\Delta \text{ Grupo/Group} = 3$	SPECI SUMU 130608Z 25030G46KT 2500 RA BKN007 09/09 Q1009=		
$V_{cor} = 30.9 \text{ kt}$					



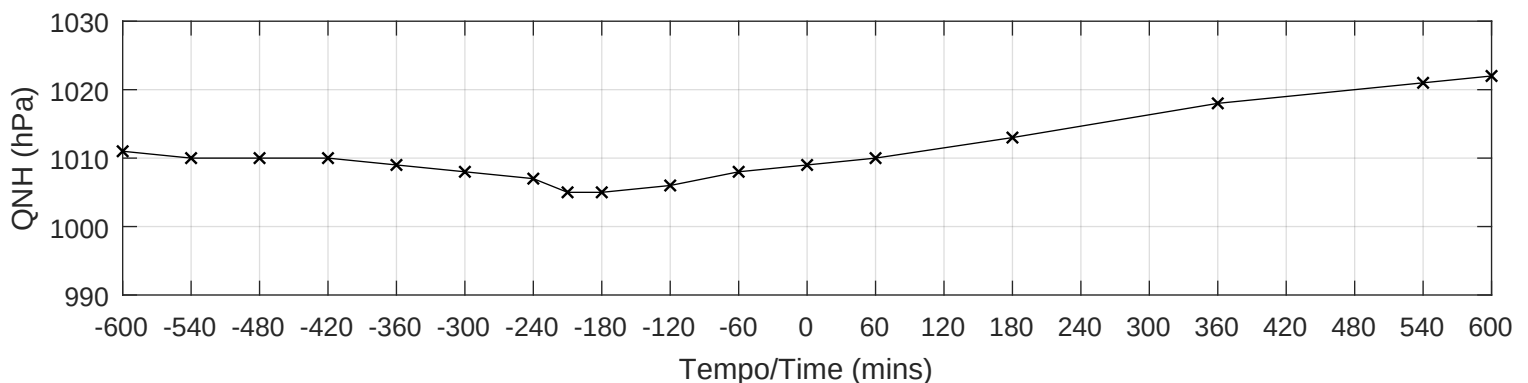
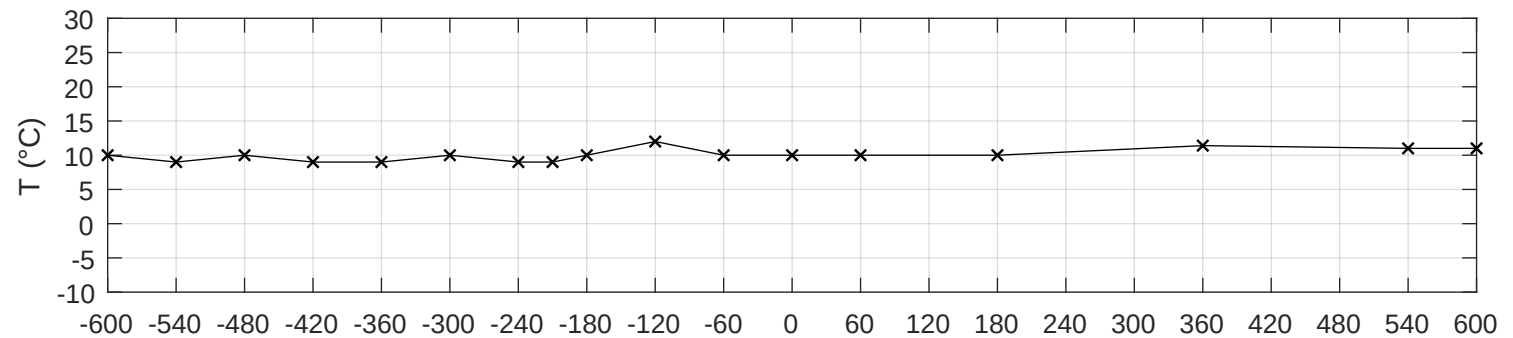
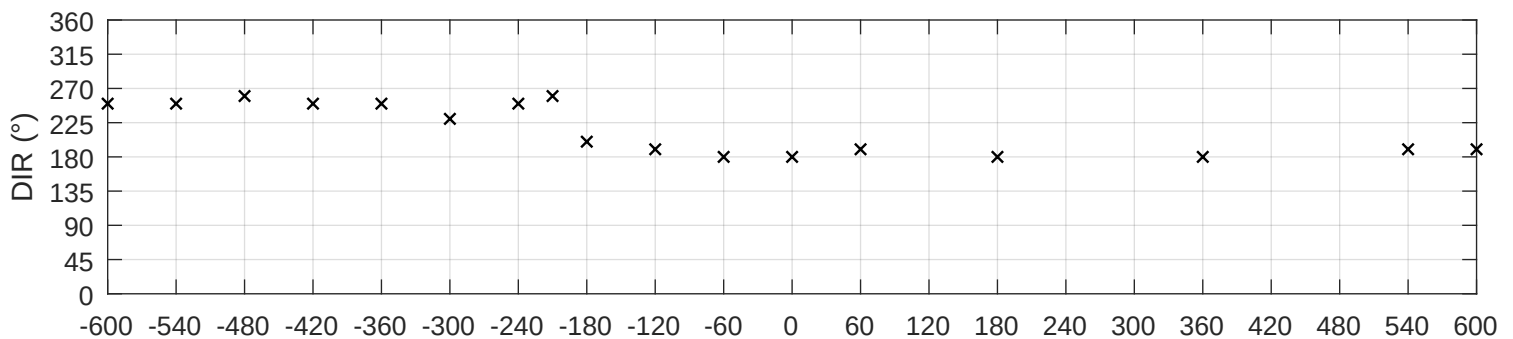
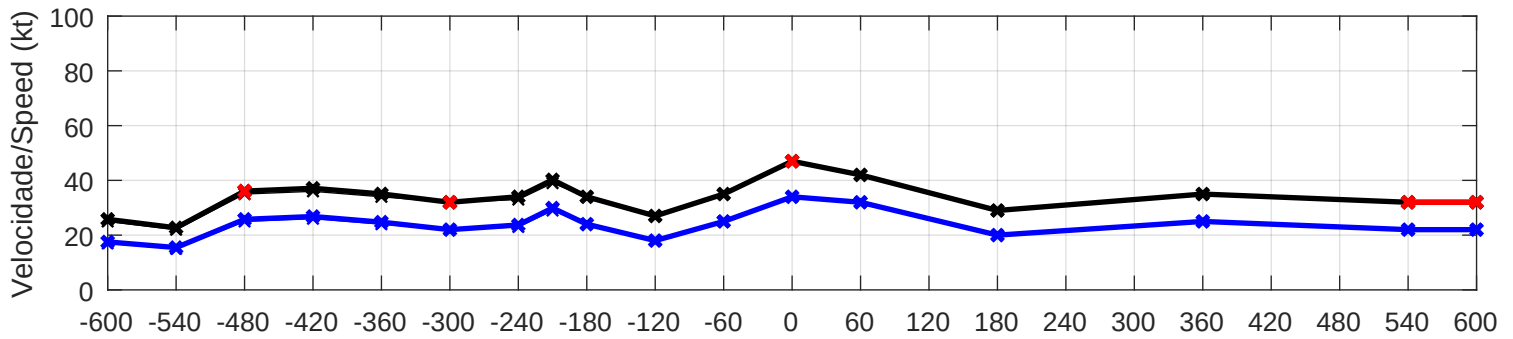
SUMU/86580 EVENTO/EVENT 46 - 25/07/1998, 22:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 47 \text{ kt}$	$R_{-6} = 1.8$	$T_{med,3} = 12.7 \text{ }^{\circ}\text{C}$	$DIR = 220^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 30 \text{ kt}$	$R_{-3} = 1.4$	$\Delta T_{min,3} = -1.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 1.6$	$R_{+3} = 1.3$	$\Delta Q_{max,3} = 3.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(212)
$G_{cor} = 47.0 \text{ kt}$	$R_{+6} = []$	$\Delta \text{ Grupo/Group} = 2$	METAR SUMU 252200Z 22030G47KT 2000 DZBR BKN003 OVC070 12/12 Q1002 TURB MOD WS LDG RWY24		
$V_{cor} = 30.0 \text{ kt}$					



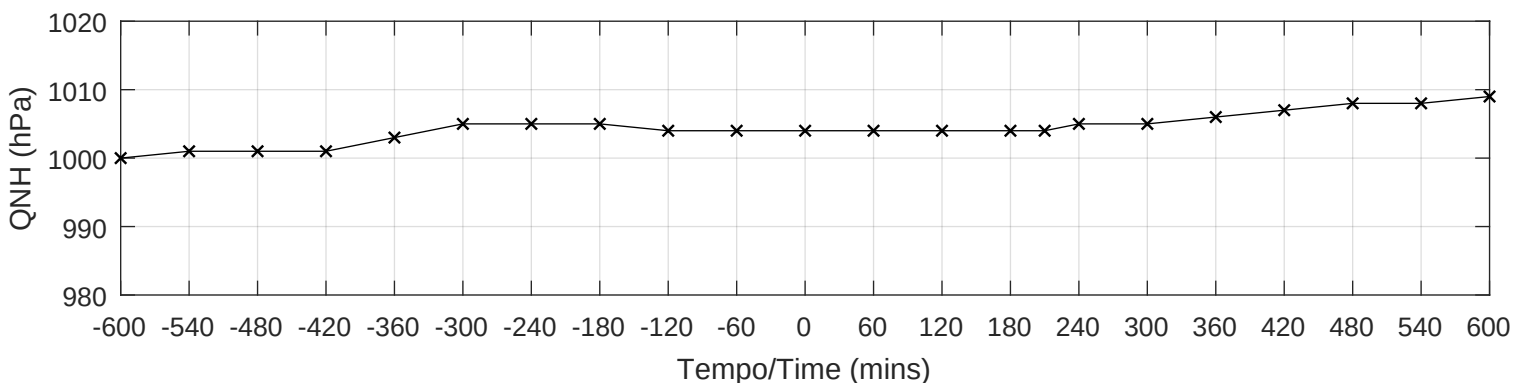
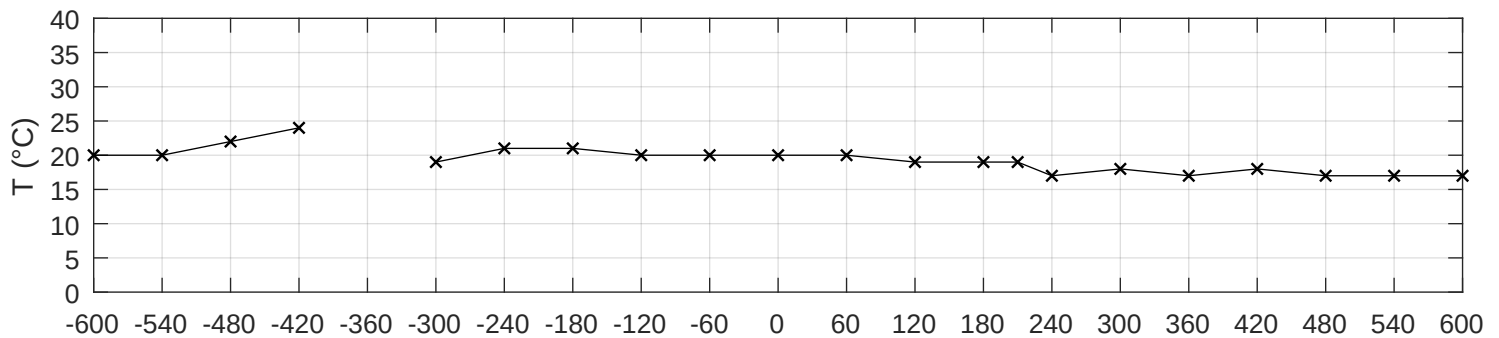
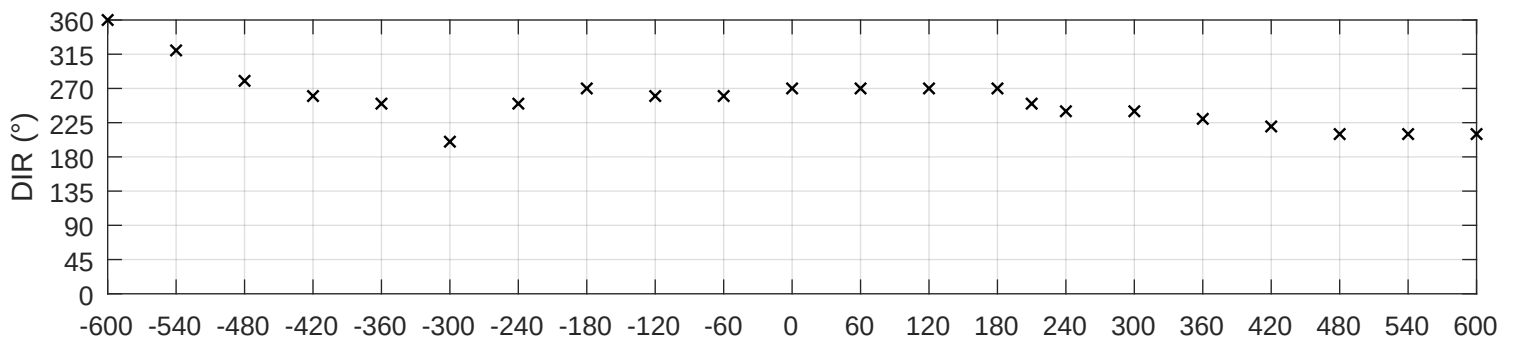
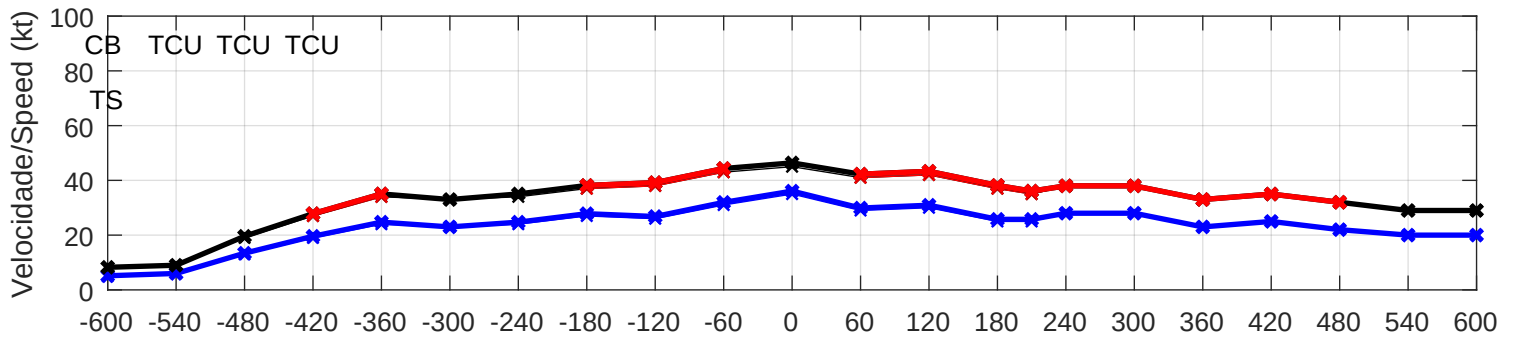
SUMU/86580 EVENTO/EVENT 47 - 17/06/2001, 06:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 47 \text{ kt}$	$R_{-6} = 1.4$	$T_{med,3} = 10.7 \text{ }^{\circ}\text{C}$	$DIR = 180^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 34 \text{ kt}$	$R_{-3} = 1.5$	$\Delta T_{min,3} = -2.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 20^{\circ}$		SYNOPTIC
$G_V = 1.4$	$R_{+3} = 1.3$	$\Delta Q_{max,3} = 4.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(215)
$G_{cor} = 47.0 \text{ kt}$	$R_{+6} = 1.3$	$\Delta \text{Grupo/Group} = 3$	METAR SUMU 170600Z 18034G47KT 6000 RA OVC010 10/09 Q1009		
$V_{cor} = 34.0 \text{ kt}$					



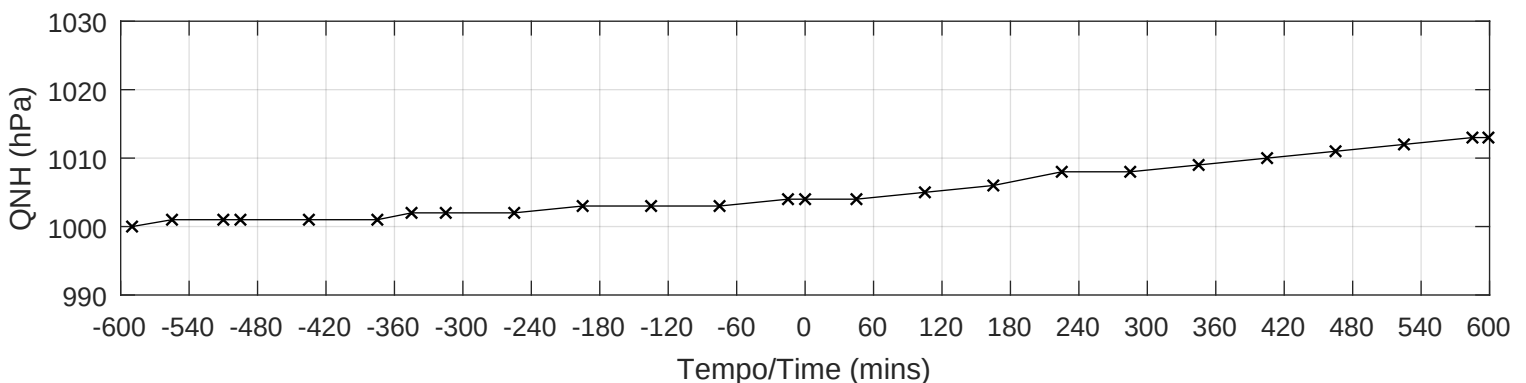
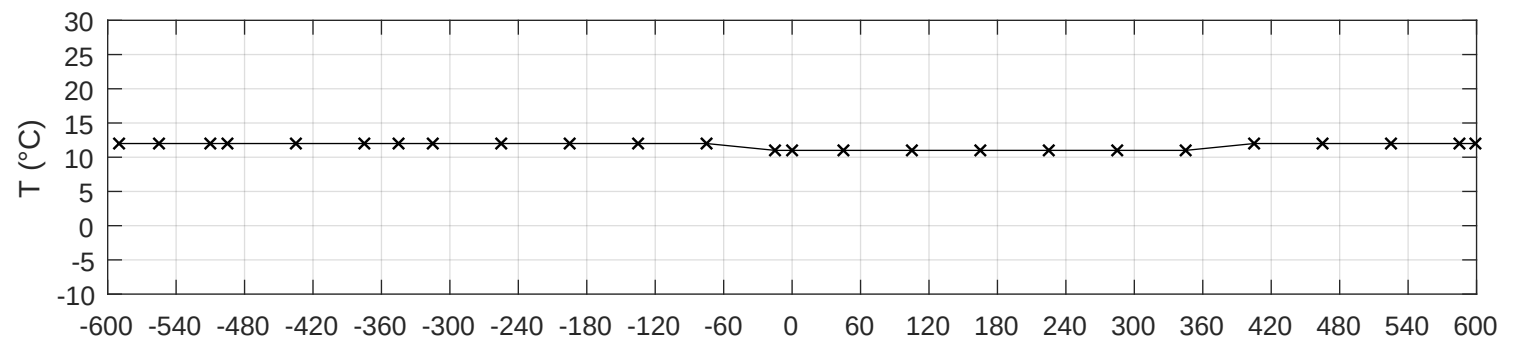
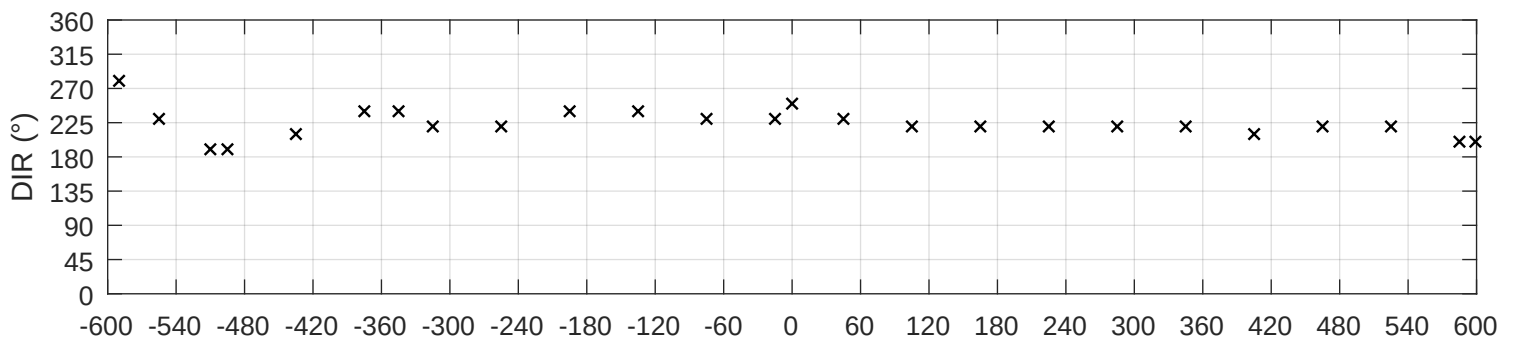
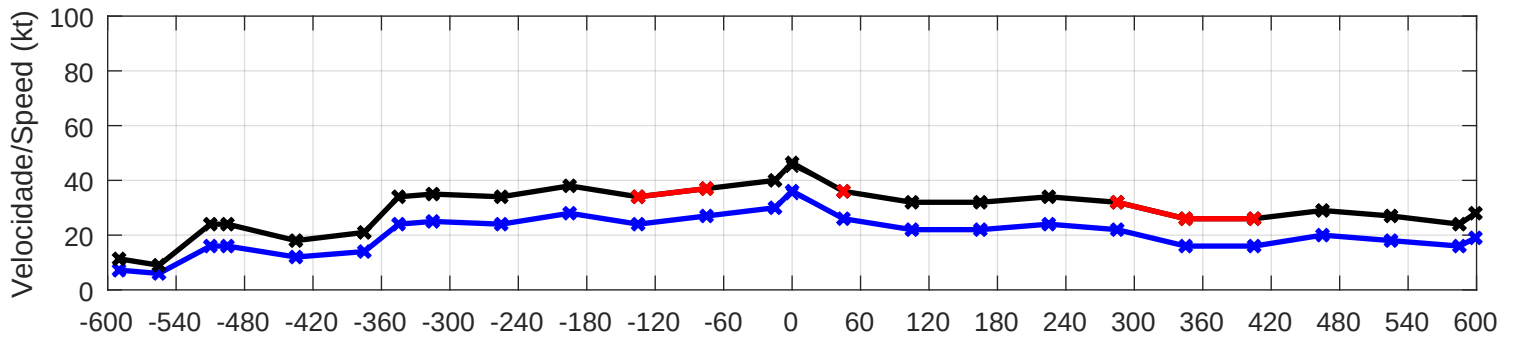
SUMU/86580 EVENTO/EVENT 48 - 19/02/1997, 19:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 45$ kt	$R_{-6} = 1.2$	$T_{med,3} = 20.3$ °C	$DIR = 270^\circ$	NÃO/NO	SINÓTICO
$V_{obs} = 35$ kt	$R_{-3} = 1.1$	$\Delta T_{min,3} = 0.0$ °C	$\Delta DIR_{max,-3} = 10^\circ$		SYNOPTIC
$G_V = []$	$R_{+3} = 1.1$	$\Delta Q_{max,3} = 0.0$ hPa	$\Delta DIR_{max,+3} = 0^\circ$		(226)
$G_{cor} = 46.4$ kt	$R_{+6} = 1.2$	Δ Grupo/Group = 3	METAR SUMU 191900Z 27035KT 9999 SCT017 20/10 Q1004		
$V_{cor} = 36.1$ kt					



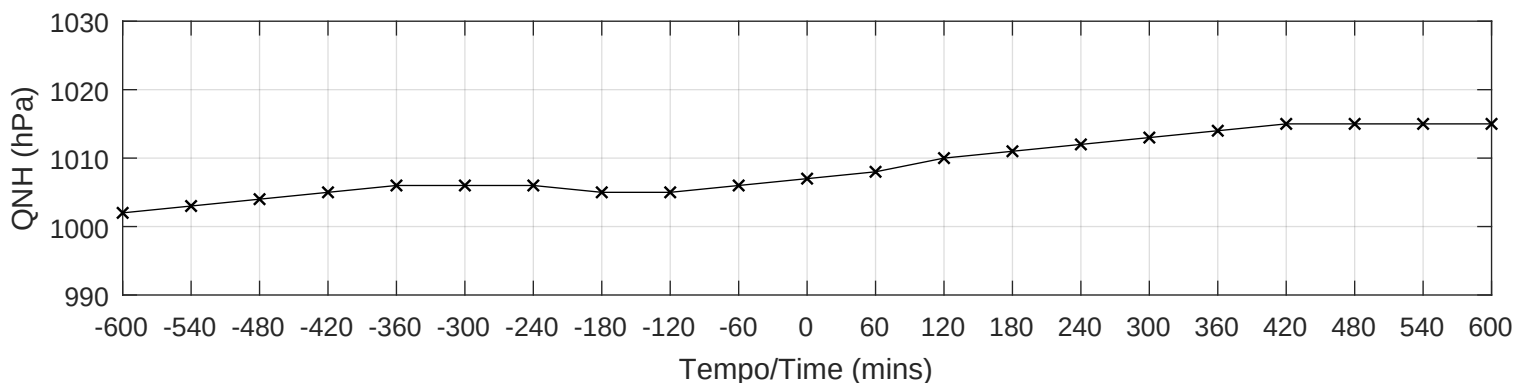
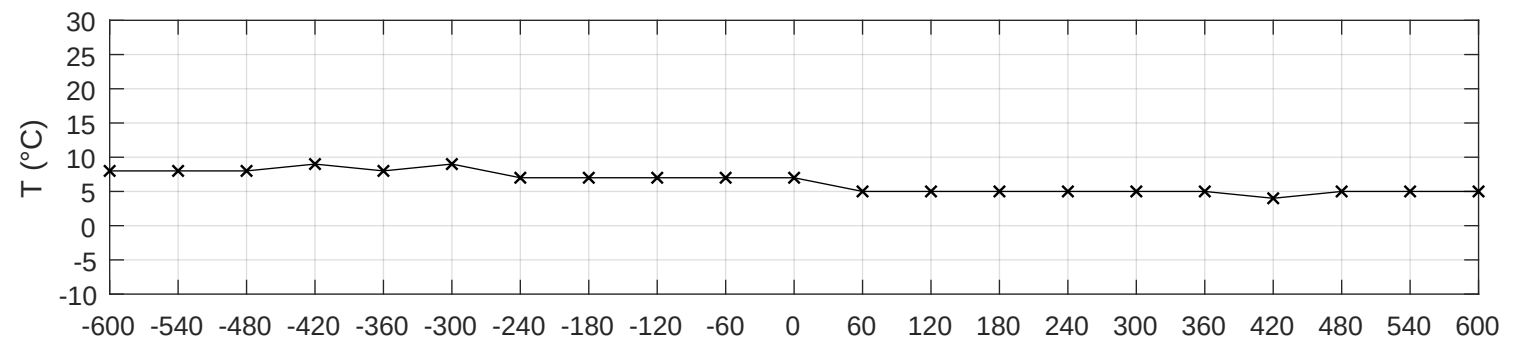
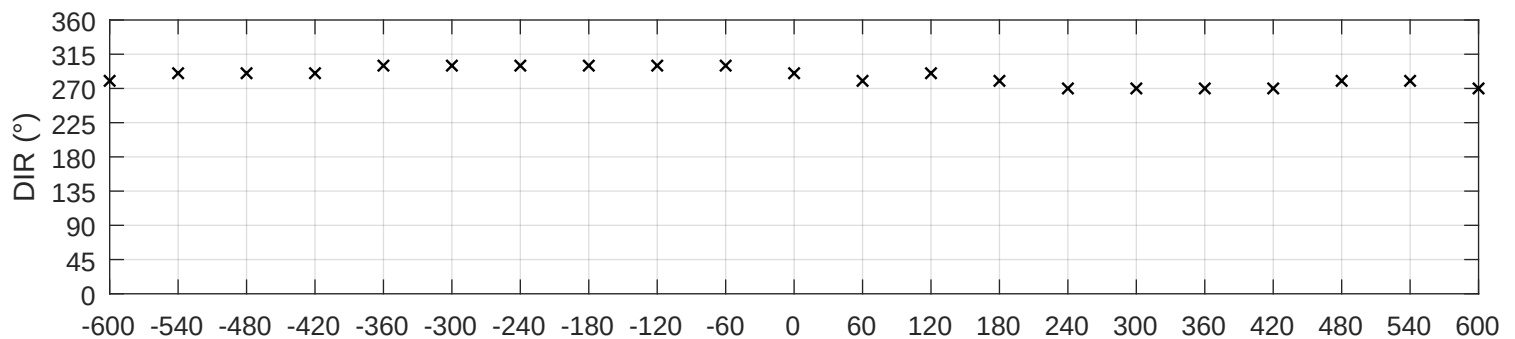
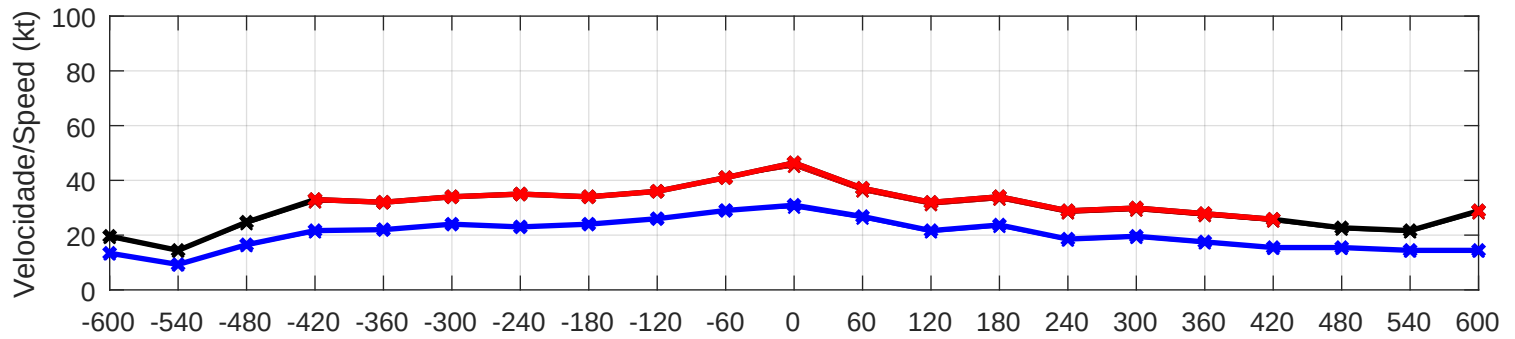
SUMU/86580 EVENTO/EVENT 50 - 26/06/2006, 06:15 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 45$ kt	$R_{-6} = 1.3$	$T_{med,3} = 12.0$ °C	$DIR = 250^\circ$	NÃO/NO	SINÓTICO
$V_{obs} = 35$ kt	$R_{-3} = 1.3$	$\Delta T_{min,3} = -1.0$ °C	$\Delta DIR_{max,-3} = 20^\circ$		SYNOPTIC
$G_V = []$	$R_{+3} = 1.3$	$\Delta Q_{max,3} = 1.0$ hPa	$\Delta DIR_{max,+3} = 30^\circ$		(226)
$G_{cor} = 46.4$ kt	$R_{+6} = 1.4$	Δ Grupo/Group = 3	SUMU 260615Z 25035KT 8000 DZ OVC010 11/11 Q1004=		
$V_{cor} = 36.1$ kt					



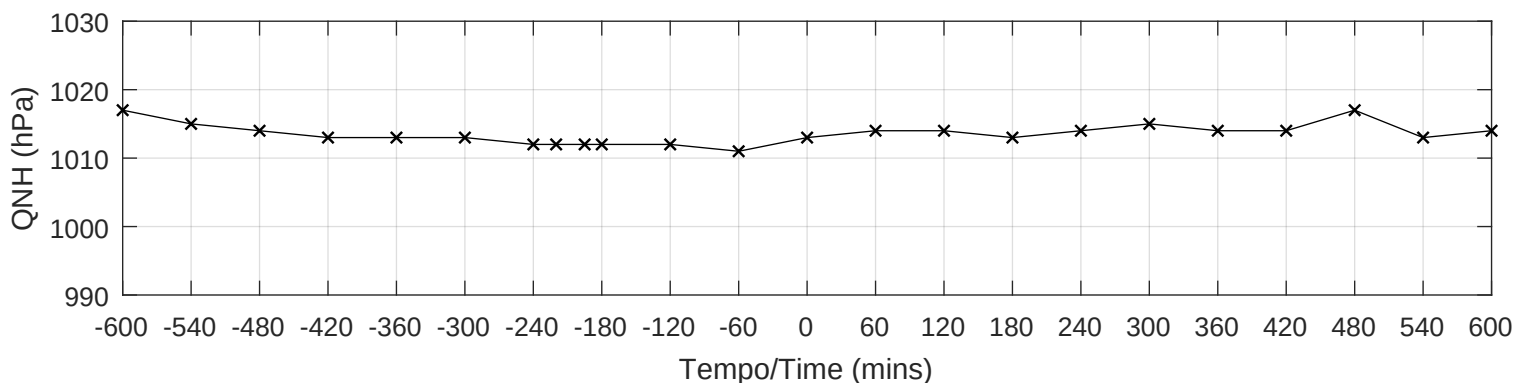
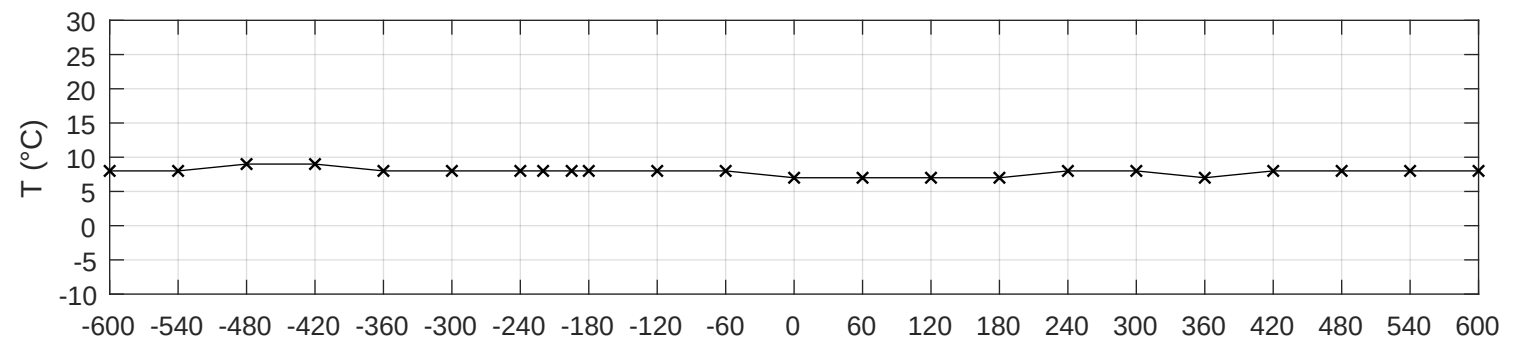
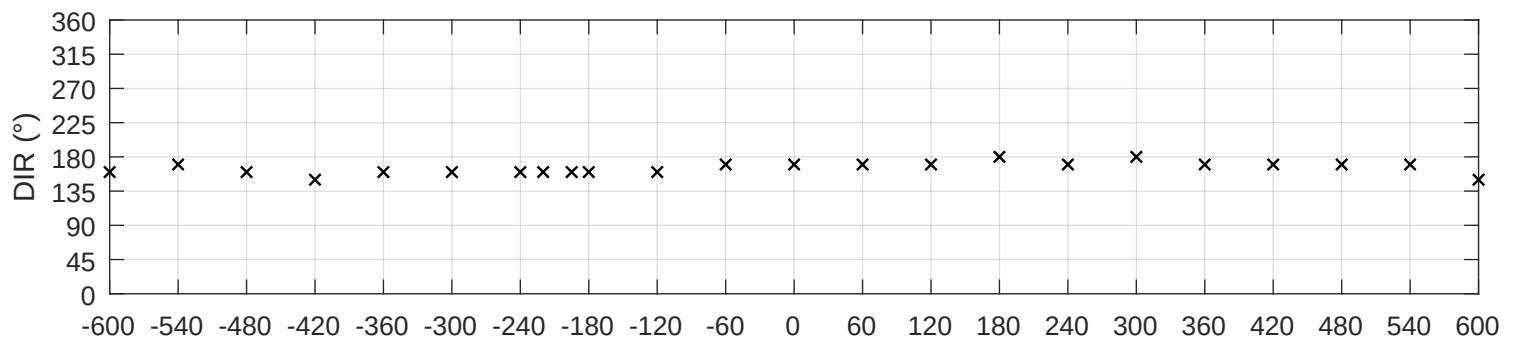
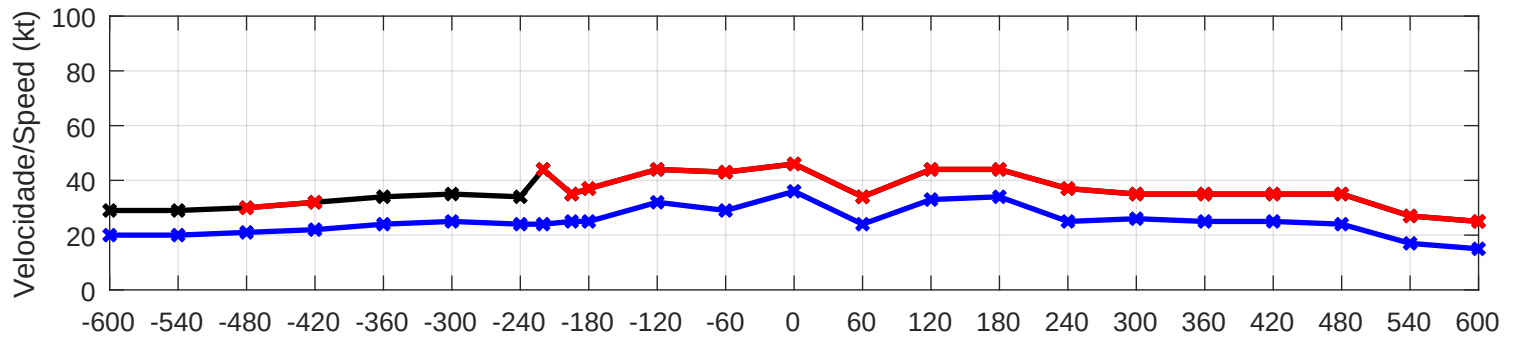
SUMU/86580 EVENTO/EVENT 51 - 22/07/2009, 20:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 45 \text{ kt}$	$R_{-6} = 1.3$	$T_{med,3} = 7.0 \text{ }^{\circ}\text{C}$	$DIR = 290^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 30 \text{ kt}$	$R_{-3} = 1.2$	$\Delta T_{min,3} = -2.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 1.5$	$R_{+3} = 1.3$	$\Delta Q_{max,3} = 3.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(215)
$G_{cor} = 46.4 \text{ kt}$	$R_{+6} = 1.5$	$\Delta \text{ Grupo/Group} = 3$	SUMU 222000Z 29030G45KT 9999 BKN026 07/00 Q1007 WS ALL RWY24RWY06=		
$V_{cor} = 30.9 \text{ kt}$					



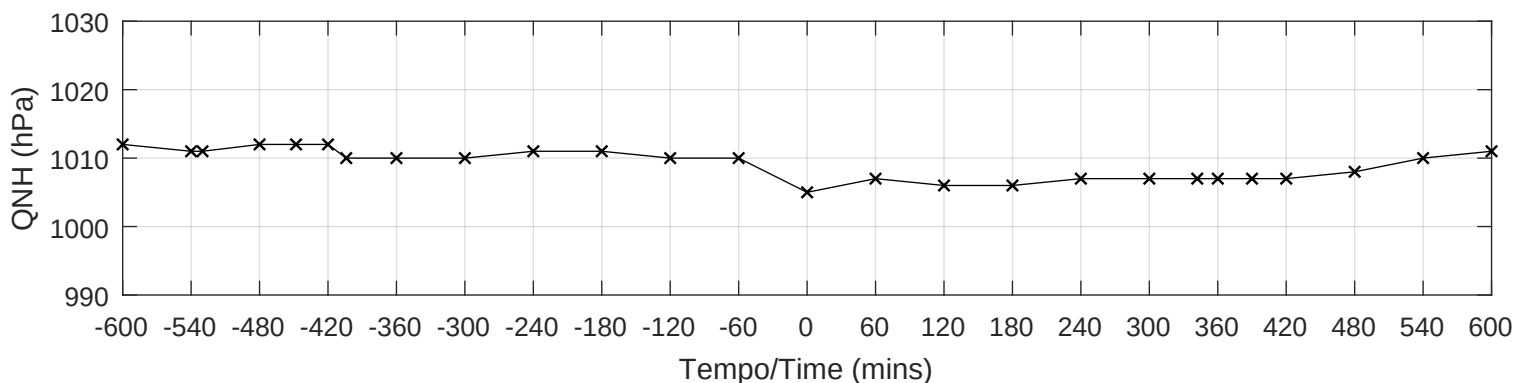
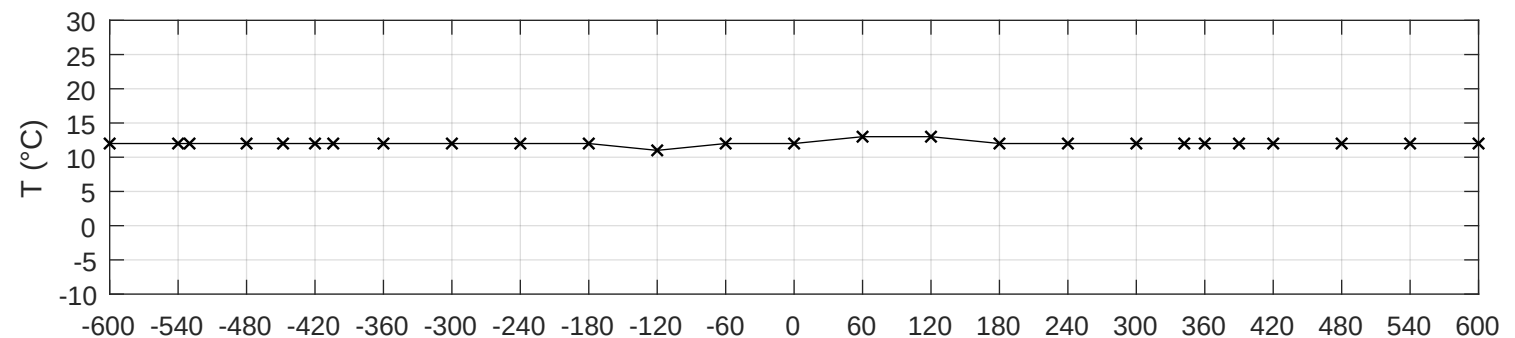
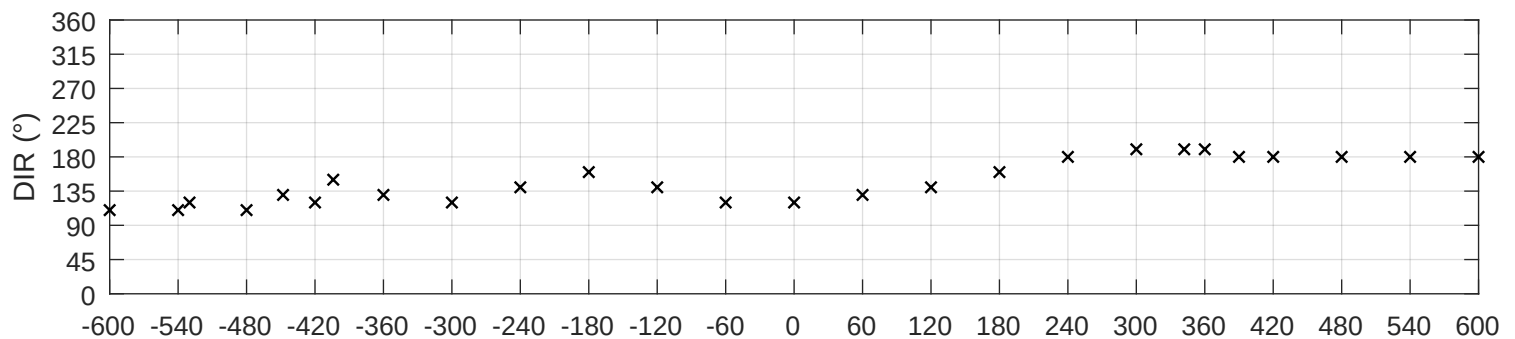
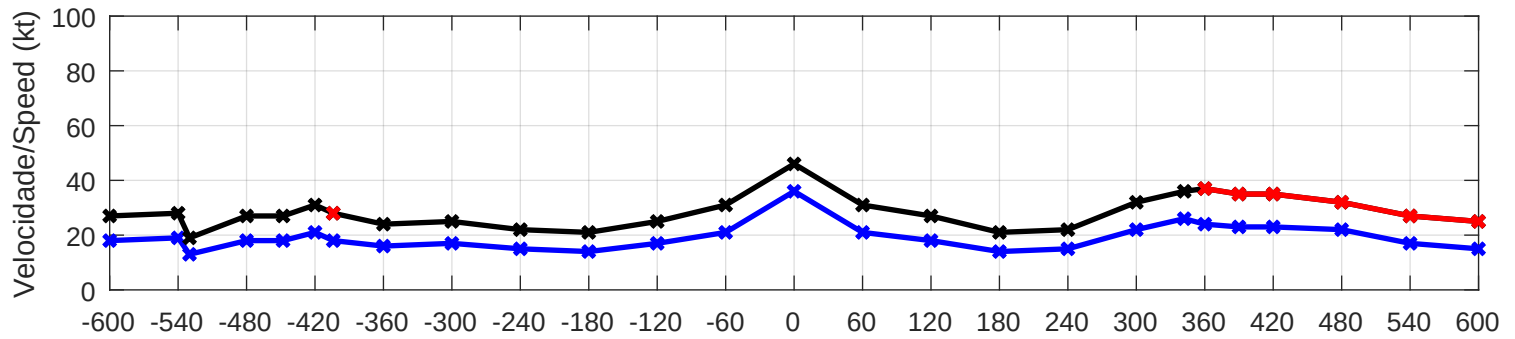
SUMU/86580 EVENTO/EVENT 60 - 11/07/2000, 01:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 46 \text{ kt}$	$R_{-6} = 1.2$	$T_{med,3} = 8.0 \text{ }^{\circ}\text{C}$	$DIR = 170^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 36 \text{ kt}$	$R_{-3} = 1.1$	$\Delta T_{min,3} = -1.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 1.3$	$R_{+3} = 1.1$	$\Delta Q_{max,3} = 3.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(215)
$G_{cor} = 46.0 \text{ kt}$	$R_{+6} = 1.2$	$\Delta \text{ Grupo/Group} = 3$	METAR SUMU 110100Z 17036G46KT 8000 RA BKN005 OVC080 07/07 Q1013		
$V_{cor} = 36.0 \text{ kt}$					



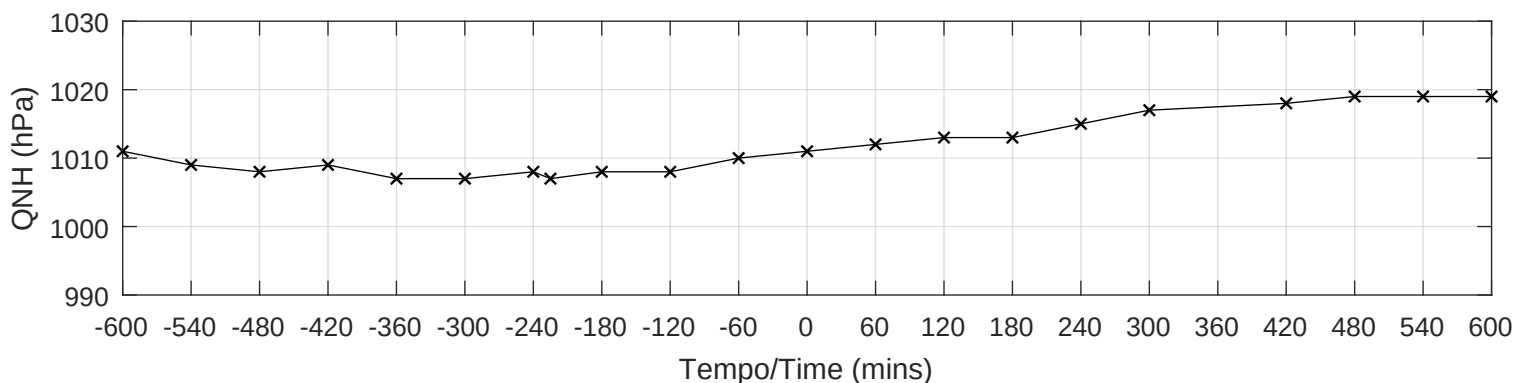
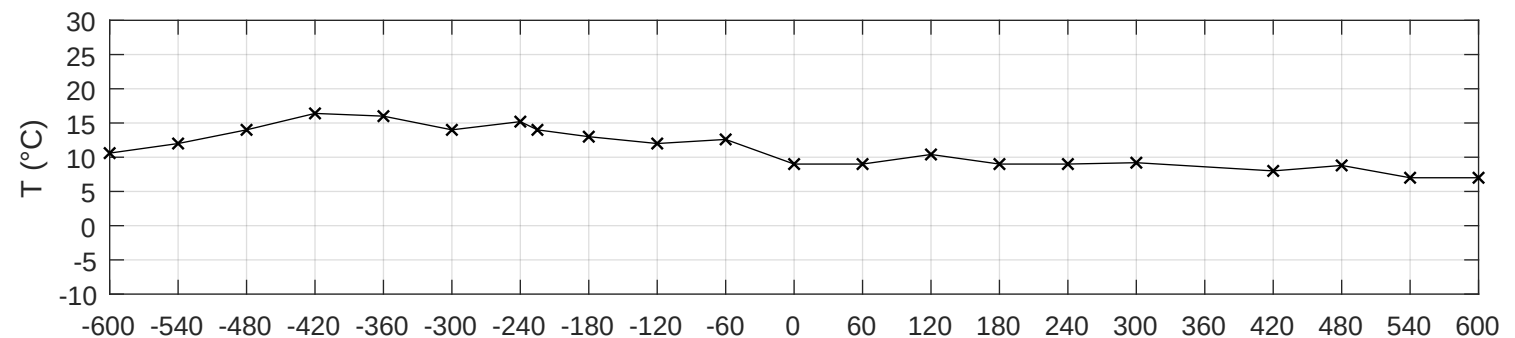
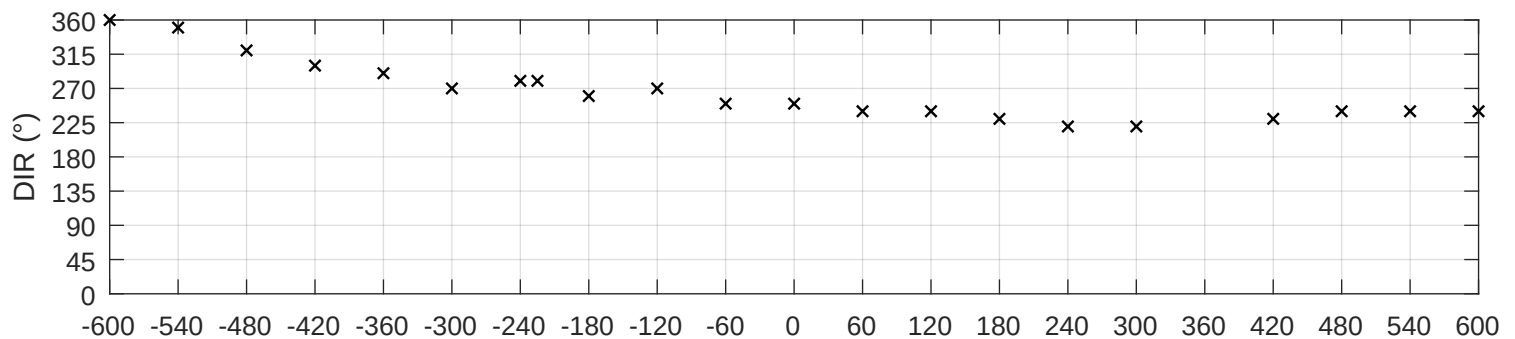
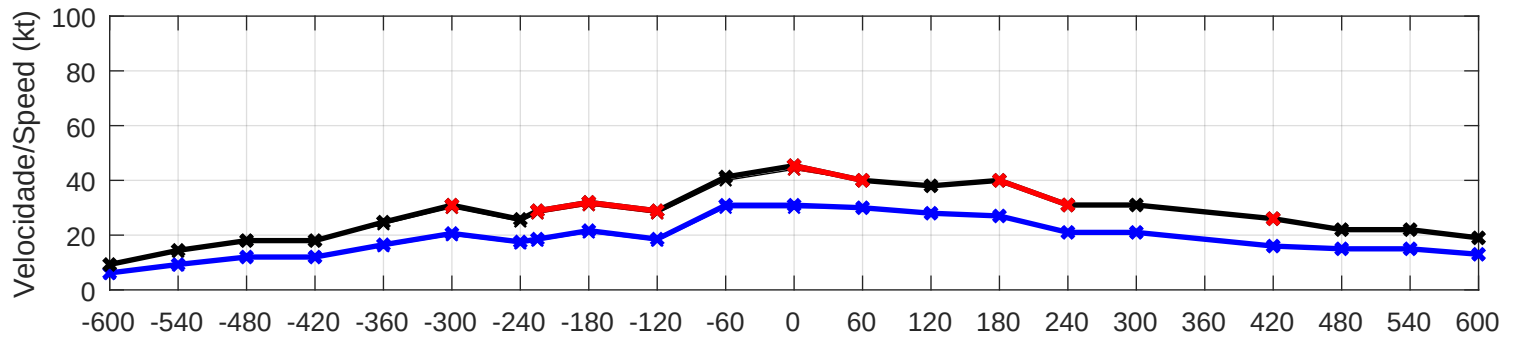
SUMU/86580 EVENTO/EVENT 62 - 22/07/2008, 04:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 46$ kt	$R_{-6} = 1.9$	$T_{med,3} = 11.7$ °C	$DIR = 120^\circ$	NÃO/NO	SINÓTICO
$V_{obs} = 36$ kt	$R_{-3} = 1.8$	$\Delta T_{min,3} = 0.0$ °C	$\Delta DIR_{max,-3} = 40^\circ$		SYNOPTIC
$G_V = []$	$R_{+3} = 1.7$	$\Delta Q_{max,3} = 2.0$ hPa	$\Delta DIR_{max,+3} = 40^\circ$		(226)
$G_{cor} = 46.0$ kt	$R_{+6} = 1.7$	Δ Grupo/Group = 3	SUMU 220400Z 12036KT 9999 BKN004 OVC070 12/12 Q1005 WS RWY06 TURB MOD NOSIG=		
$V_{cor} = 36.0$ kt					



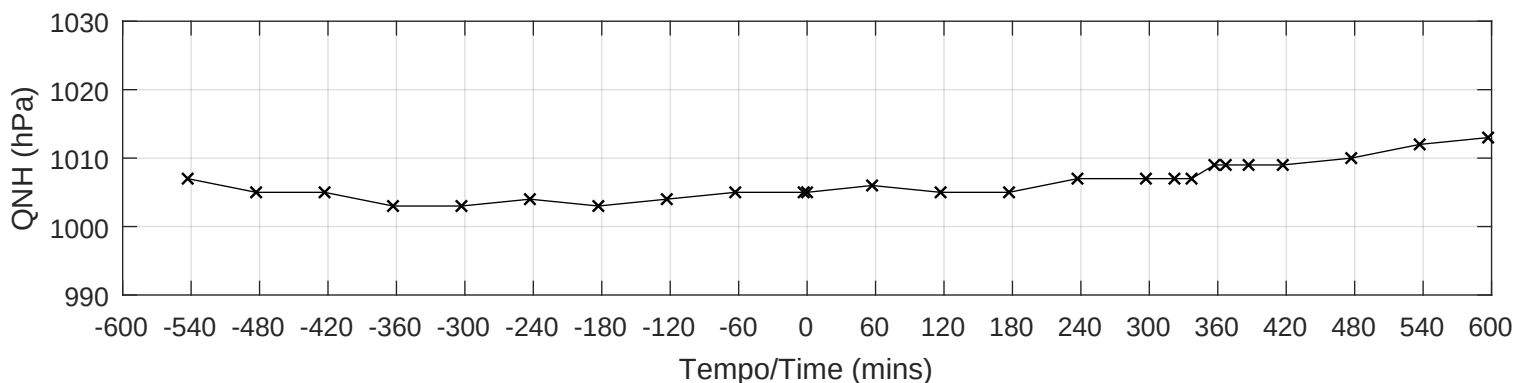
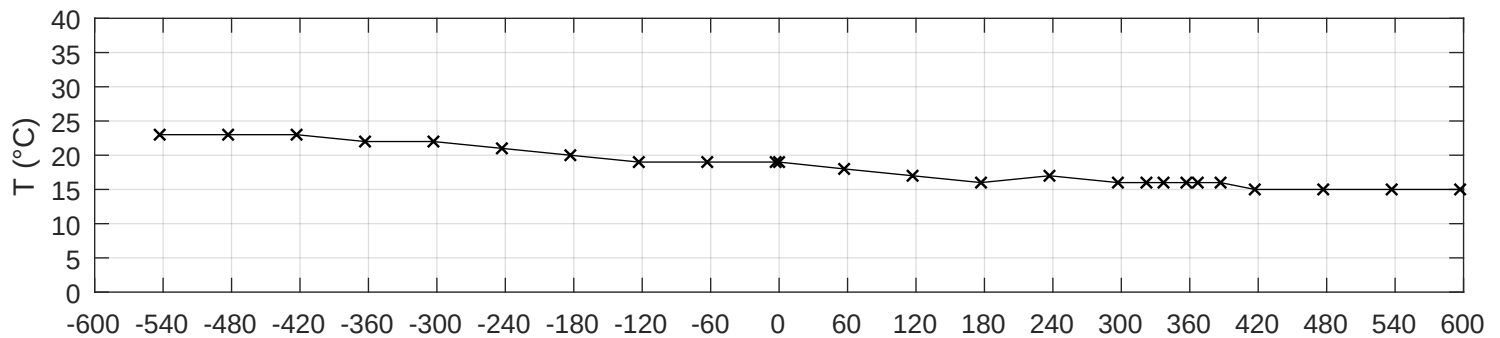
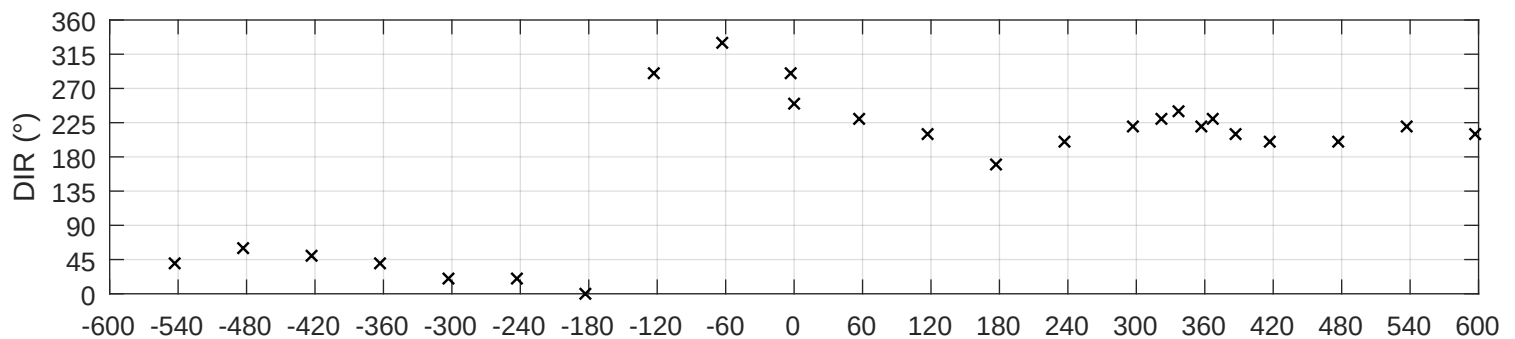
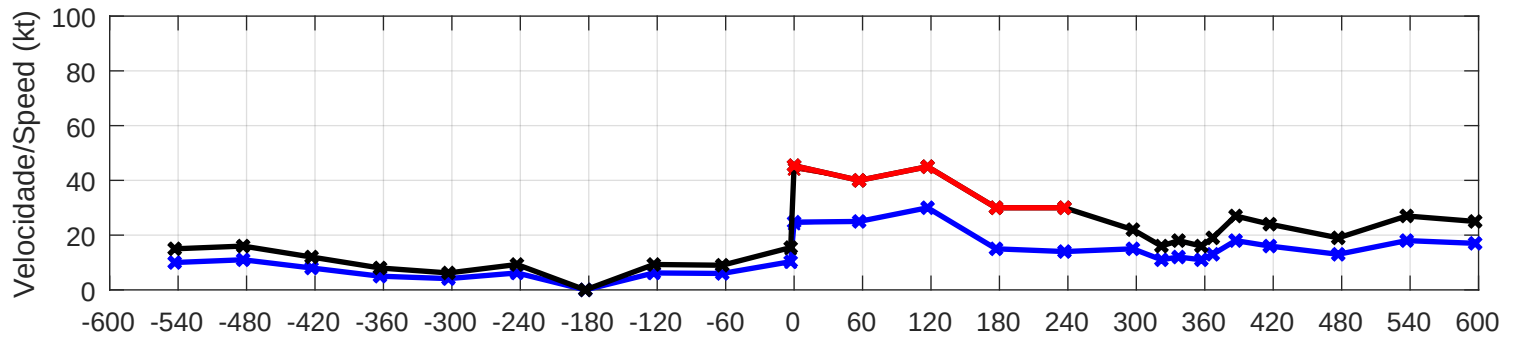
SUMU/86580 EVENTO/EVENT 65 - 09/06/2002, 22:00 UTC (MSS - NCEI/NCDC)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 44 \text{ kt}$	$R_{-6} = 1.5$	$T_{med,3} = 12.5 \text{ }^{\circ}\text{C}$	$DIR = 250^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 30 \text{ kt}$	$R_{-3} = 1.3$	$\Delta T_{min,3} = -3.6 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 20^{\circ}$		SYNOPTIC
$G_V = 1.5$	$R_{+3} = 1.1$	$\Delta Q_{max,3} = 4.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 20^{\circ}$		(212)
$G_{cor} = 45.4 \text{ kt}$	$R_{+6} = 1.2$	$\Delta \text{ Grupo/Group} = 1$	SUMU 092200Z 25030G44KT 9999 FEW013 09/M03 Q1011 NOSIG=		
$V_{cor} = 30.9 \text{ kt}$					



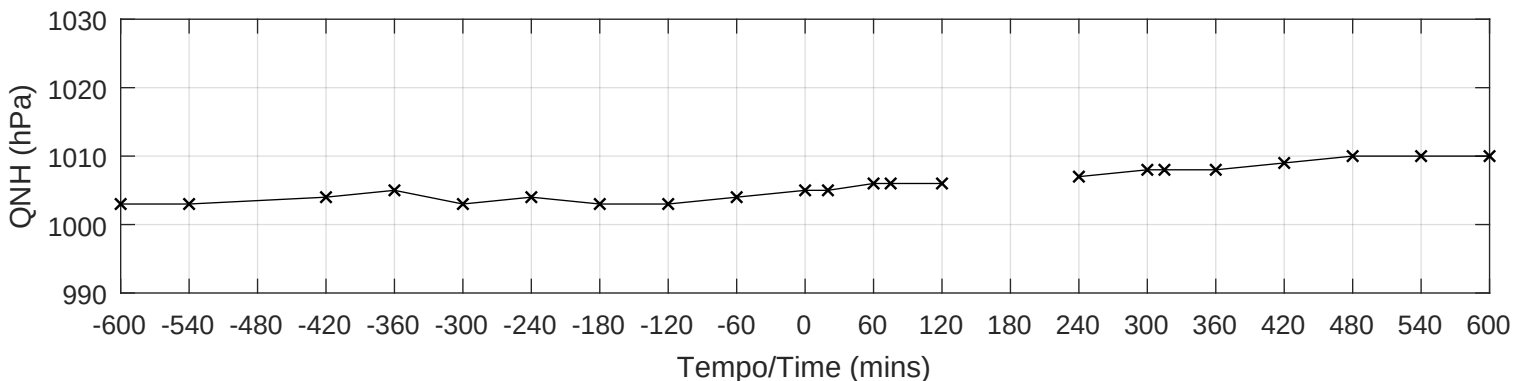
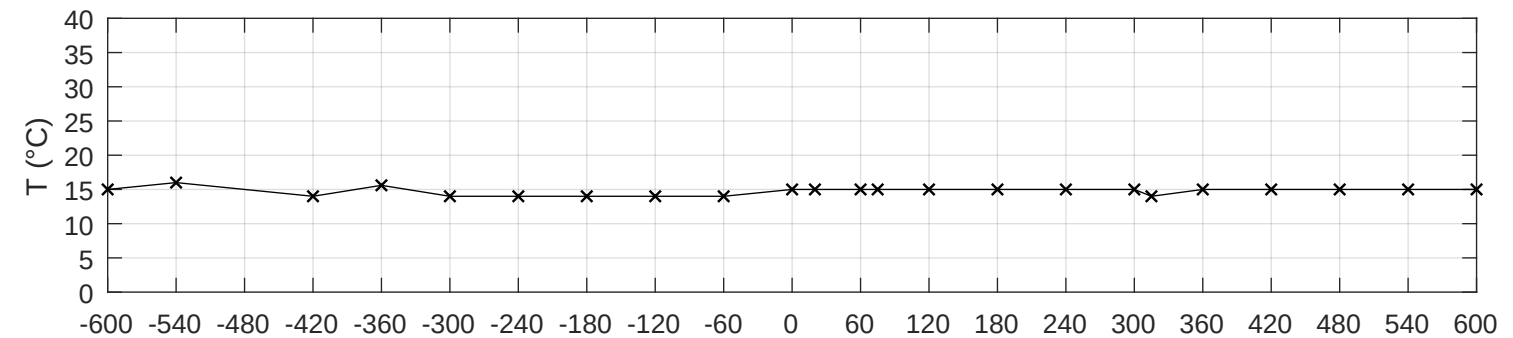
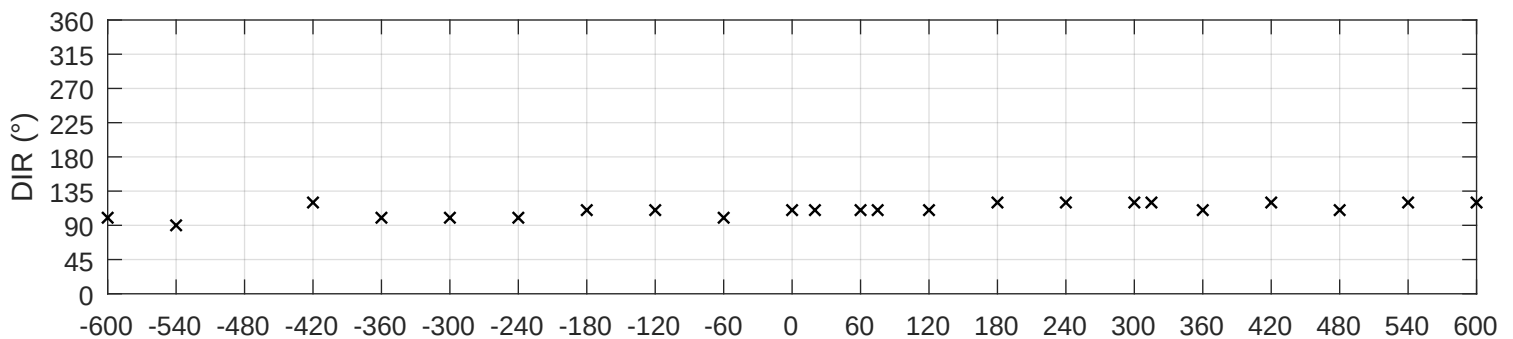
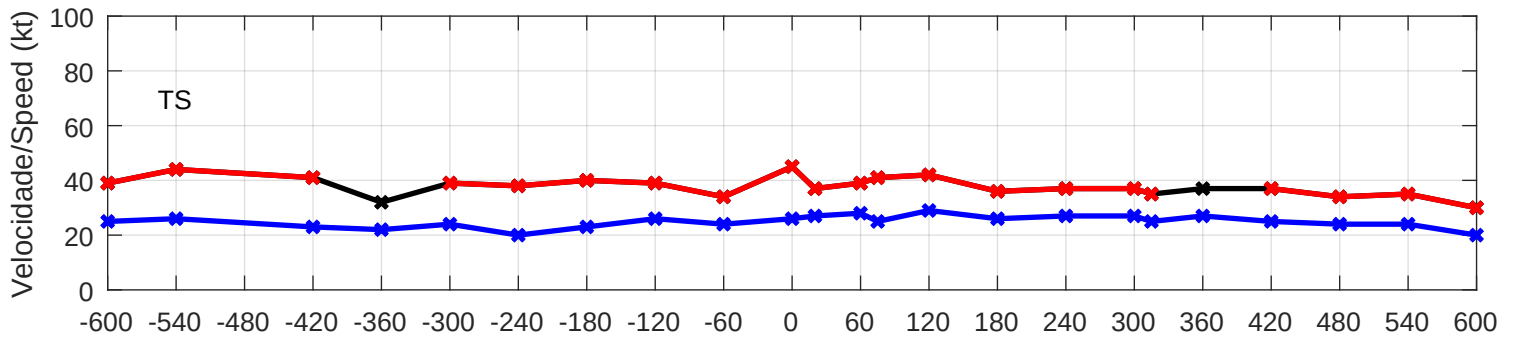
SUMU/86580 EVENTO/EVENT 67 - 19/10/2017, 02:03 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 44 \text{ kt}$	$R_{-6} = 6.7$	$T_{med,3} = 19.0 \text{ }^{\circ}\text{C}$	$DIR = 250^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 24 \text{ kt}$	$R_{-3} = 4.9$	$\Delta T_{min,3} = -1.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 80^{\circ}$		SYNOPTIC
$G_V = 1.8$	$R_{+3} = 1.2$	$\Delta Q_{max,3} = 1.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 80^{\circ}$		(214)
$G_{cor} = 45.4 \text{ kt}$	$R_{+6} = 1.4$	$\Delta \text{ Grupo/Group} = 3$	SPECI SUMU 190203Z 25024G44KT 9999 -RA SCT007 SCT070 OVC200 19/18Q1005=		
$V_{cor} = 24.7 \text{ kt}$					



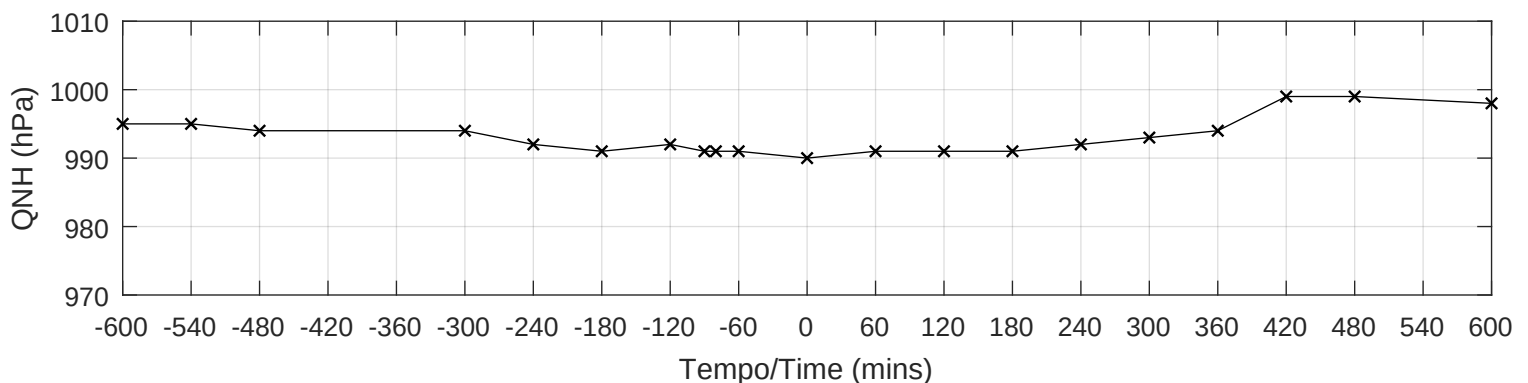
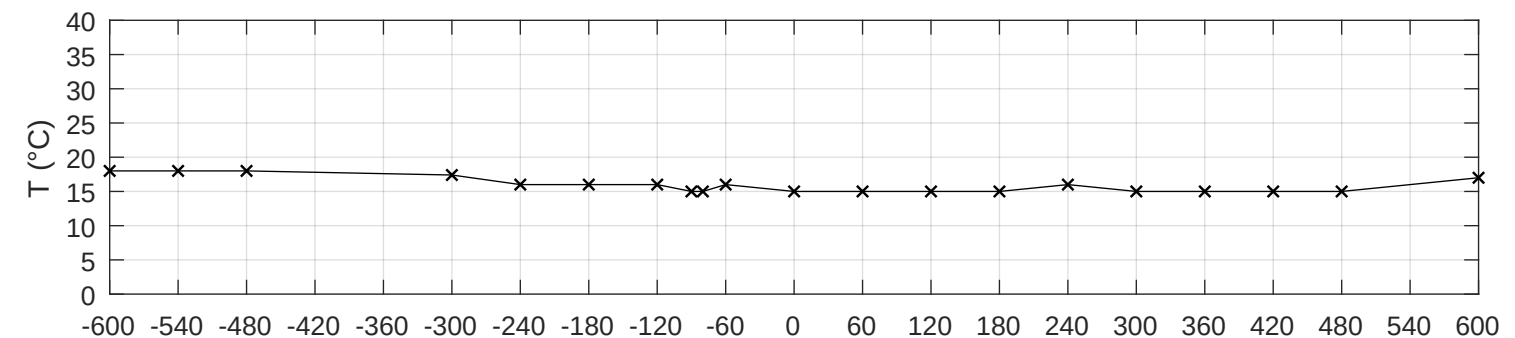
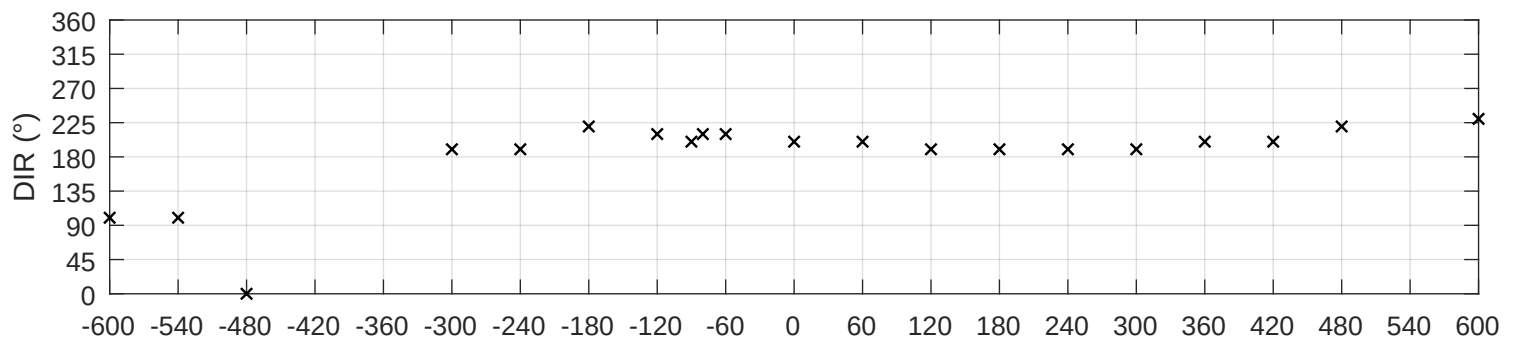
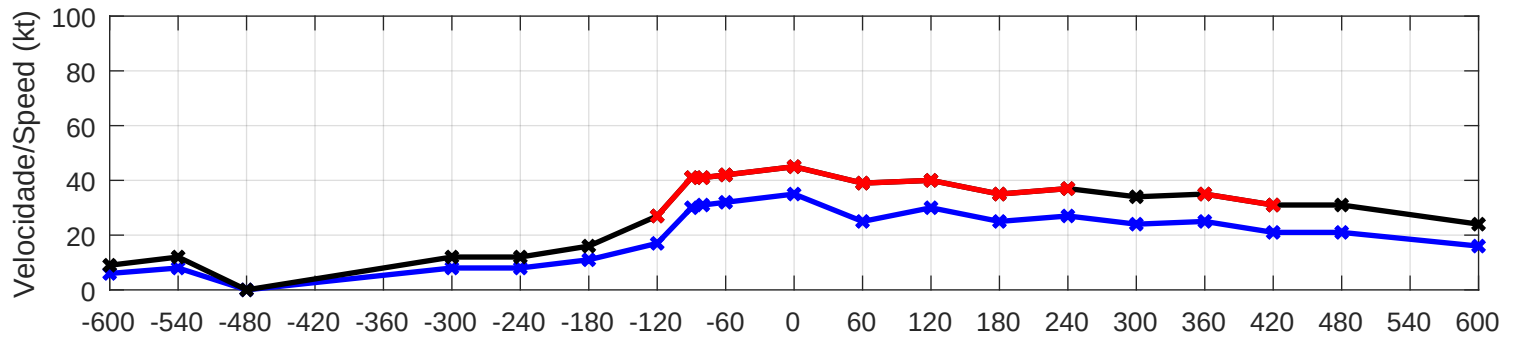
SUMU/86580 EVENTO/EVENT 68 - 16/05/2000, 21:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 45 \text{ kt}$	$R_{-6} = 1.2$	$T_{med,3} = 14.0 \text{ }^{\circ}\text{C}$	$DIR = 110^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 26 \text{ kt}$	$R_{-3} = 1.2$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 1.7$	$R_{+3} = 1.2$	$\Delta Q_{max,3} = 3.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(212)
$G_{cor} = 45.0 \text{ kt}$	$R_{+6} = 1.2$	$\Delta \text{ Grupo/Group} = 2$	METAR SUMU 162100Z 11026G45KT 6000 BKN007 OVC080 15/14 Q1005		
$V_{cor} = 26.0 \text{ kt}$					



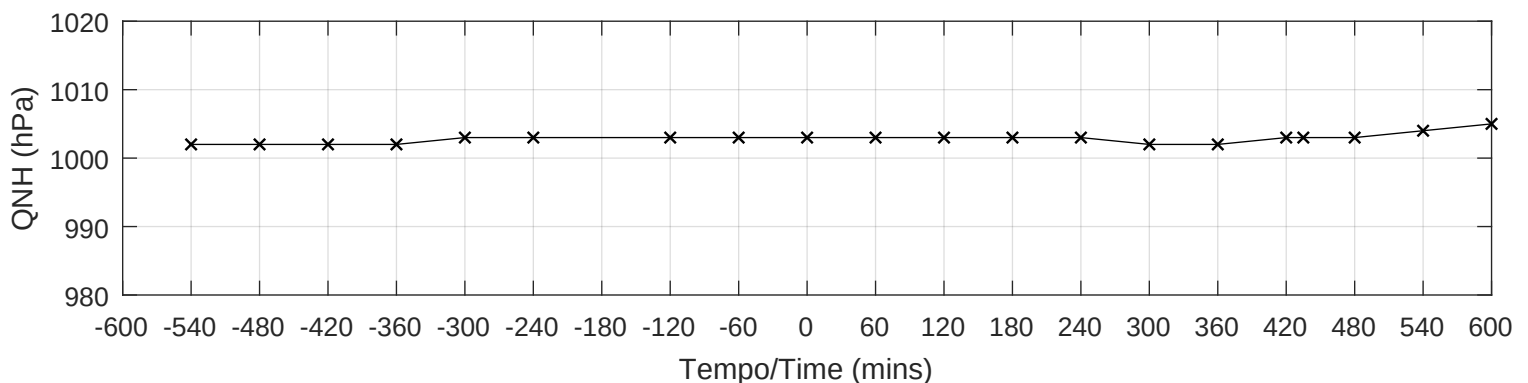
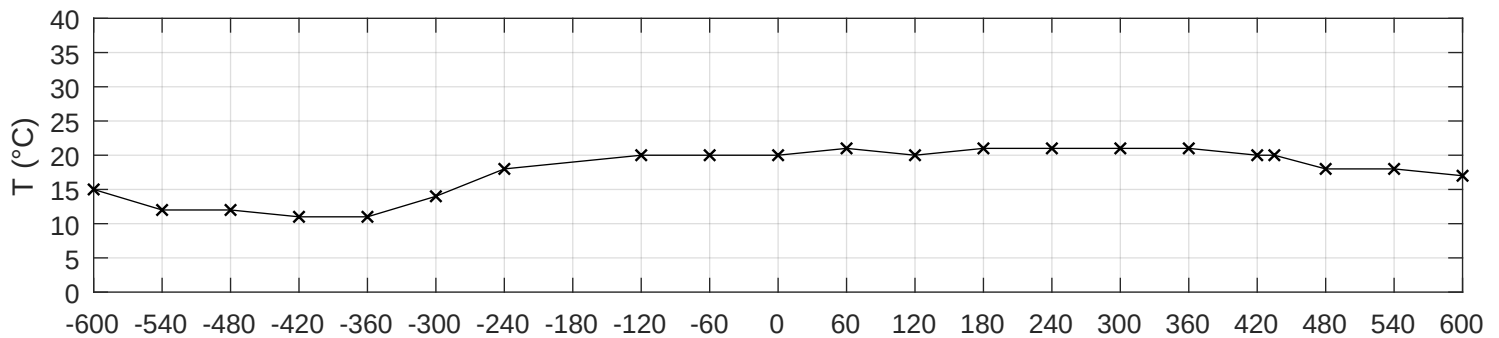
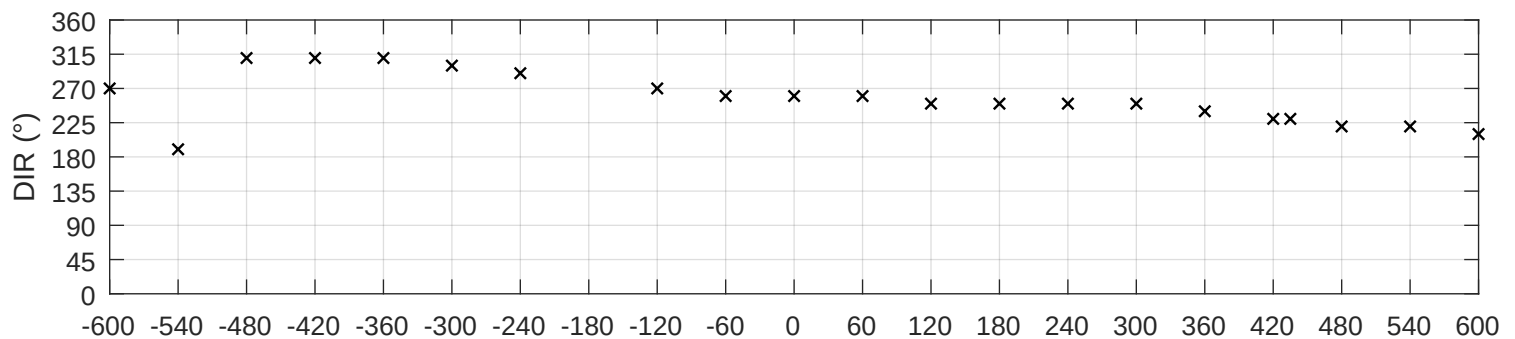
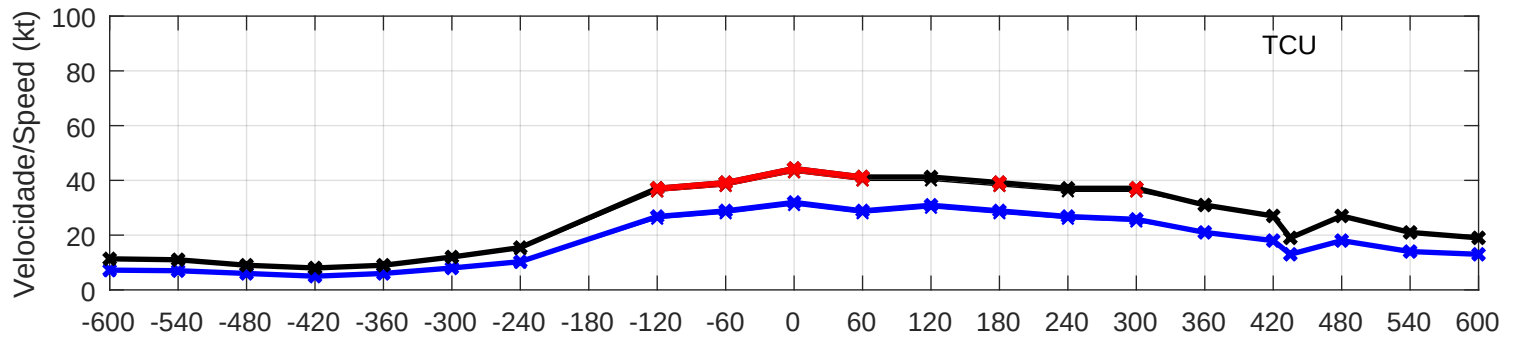
SUMU/86580 EVENTO/EVENT 69 - 19/11/2003, 02:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 45 \text{ kt}$	$R_{-6} = 1.9$	$T_{med,3} = 15.8 \text{ }^{\circ}\text{C}$	$DIR = 200^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 35 \text{ kt}$	$R_{-3} = 1.5$	$\Delta T_{min,3} = -1.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 20^{\circ}$		SYNOPTIC
$G_V = 1.3$	$R_{+3} = 1.2$	$\Delta Q_{max,3} = 1.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(215)
$G_{cor} = 45.0 \text{ kt}$	$R_{+6} = 1.2$	$\Delta \text{ Grupo/Group} = 3$	SUMU 190200Z 20035G45KT 3000 +RA OVC004 15/14 Q0990 WS LDGRWY24=		
$V_{cor} = 35.0 \text{ kt}$					



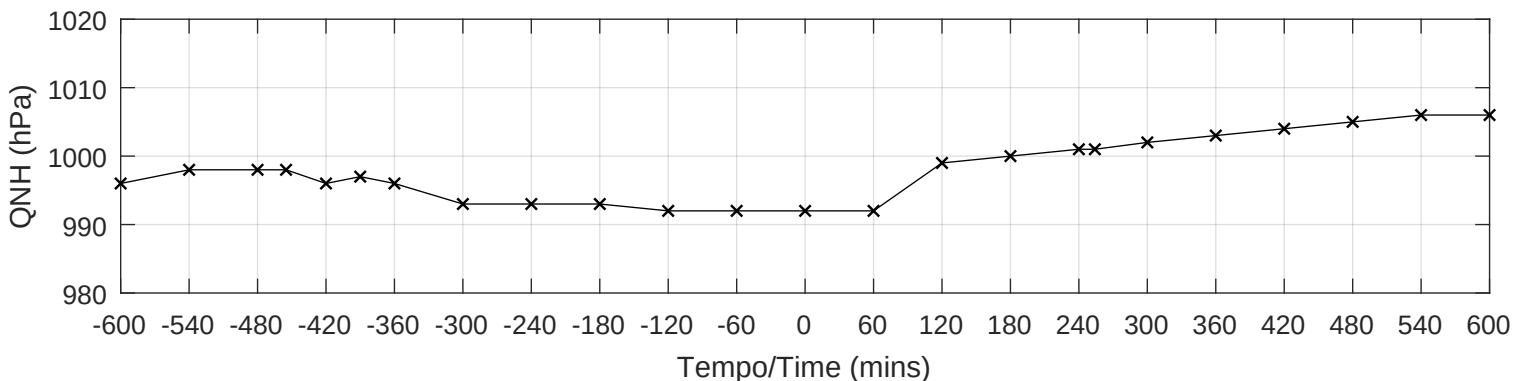
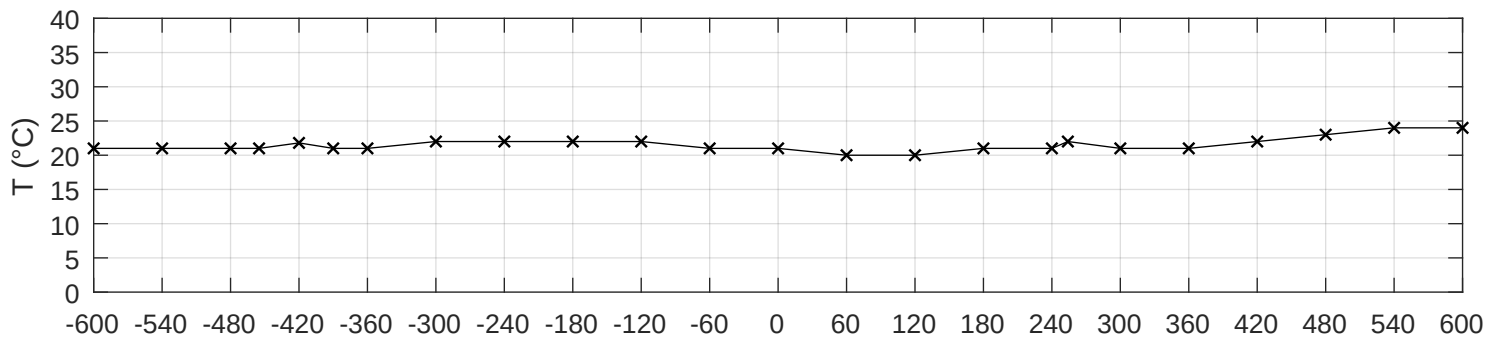
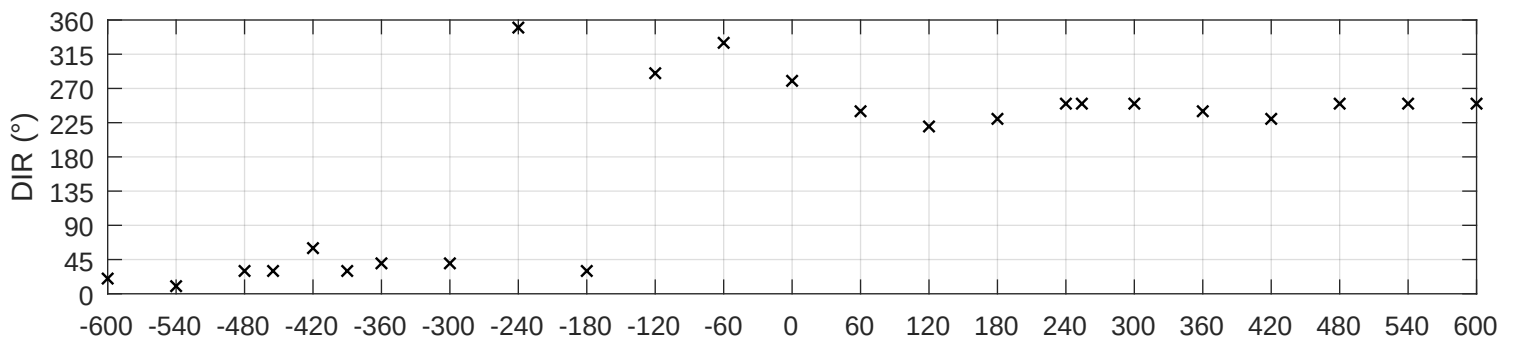
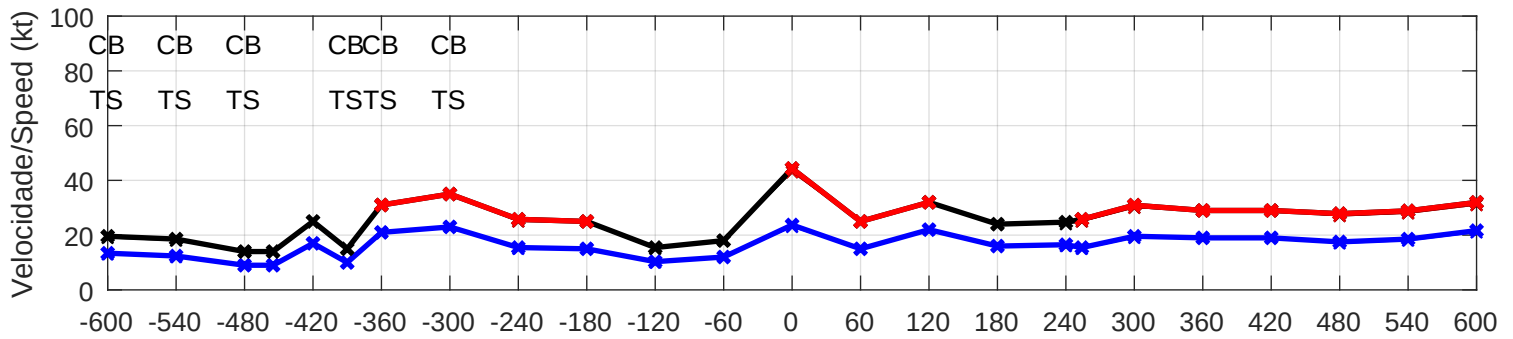
SUMU/86580 EVENTO/EVENT 75 - 04/12/1997, 15:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 43 \text{ kt}$	$R_{-6} = 2.0$	$T_{med,3} = 20.0 \text{ }^{\circ}\text{C}$	$DIR = 260^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 31 \text{ kt}$	$R_{-3} = 1.2$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 1.4$	$R_{+3} = 1.1$	$\Delta Q_{max,3} = 0.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(215)
$G_{cor} = 44.3 \text{ kt}$	$R_{+6} = 1.2$	$\Delta \text{ Grupo/Group} = 3$	METAR SUMU 041500Z 26031G43KT 9999 FEW023 20/06 Q1003		
$V_{cor} = 32.0 \text{ kt}$					



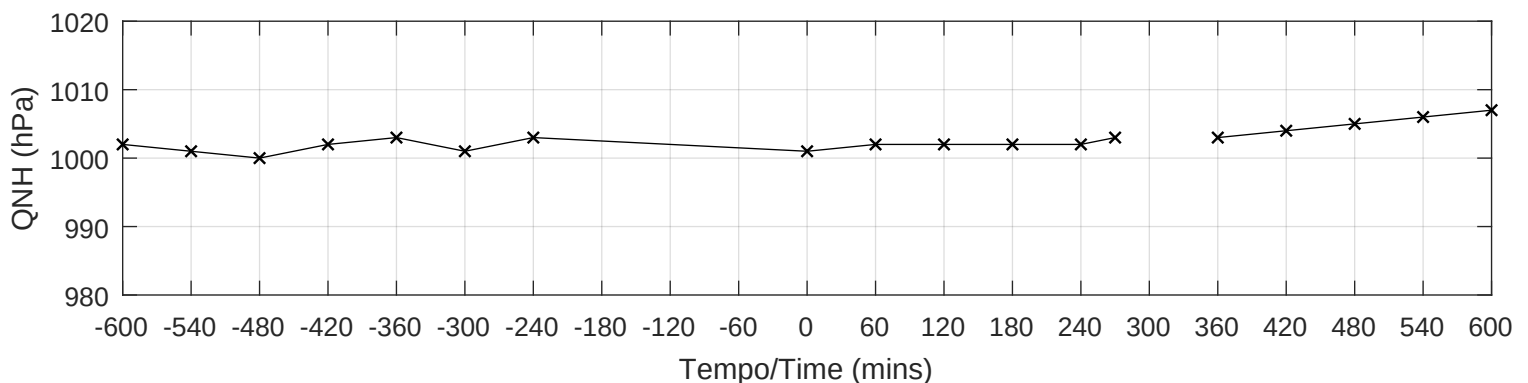
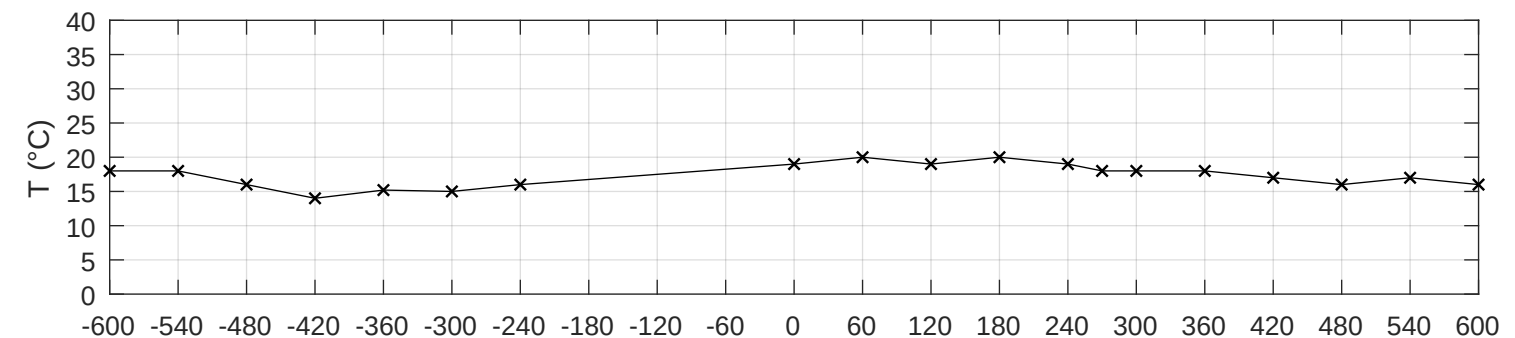
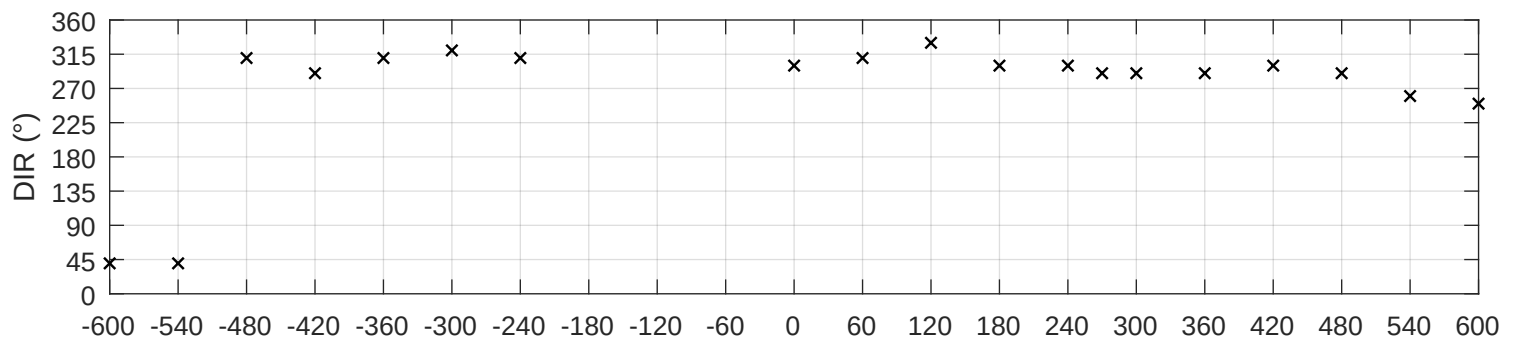
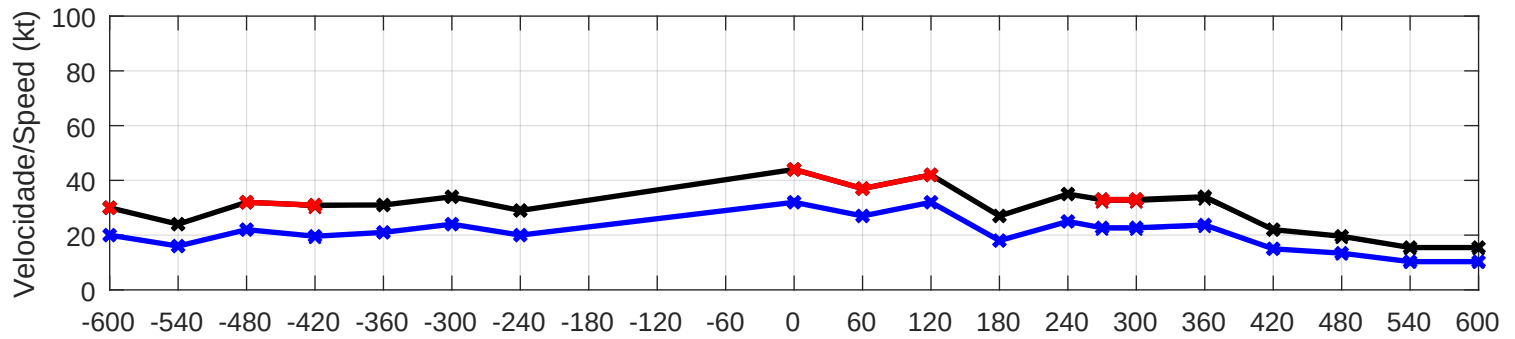
SUMU/86580 EVENTO/EVENT 76 - 07/12/2012, 07:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 43 \text{ kt}$	$R_{-6} = 1.7$	$T_{med,3} = 21.7 \text{ }^{\circ}\text{C}$	$DIR = 280^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 23 \text{ kt}$	$R_{-3} = 2.2$	$\Delta T_{min,3} = -2.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 110^{\circ}$		SYNOPTIC
$G_V = 1.9$	$R_{+3} = 1.6$	$\Delta Q_{max,3} = 0.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 60^{\circ}$		(215)
$G_{cor} = 44.3 \text{ kt}$	$R_{+6} = 1.6$	$\Delta \text{ Grupo/Group} = 3$	METAR SUMU 070700Z 28023G43KT 3500 RA SCT007 OVC040 21/21 Q0992=		
$V_{cor} = 23.7 \text{ kt}$					



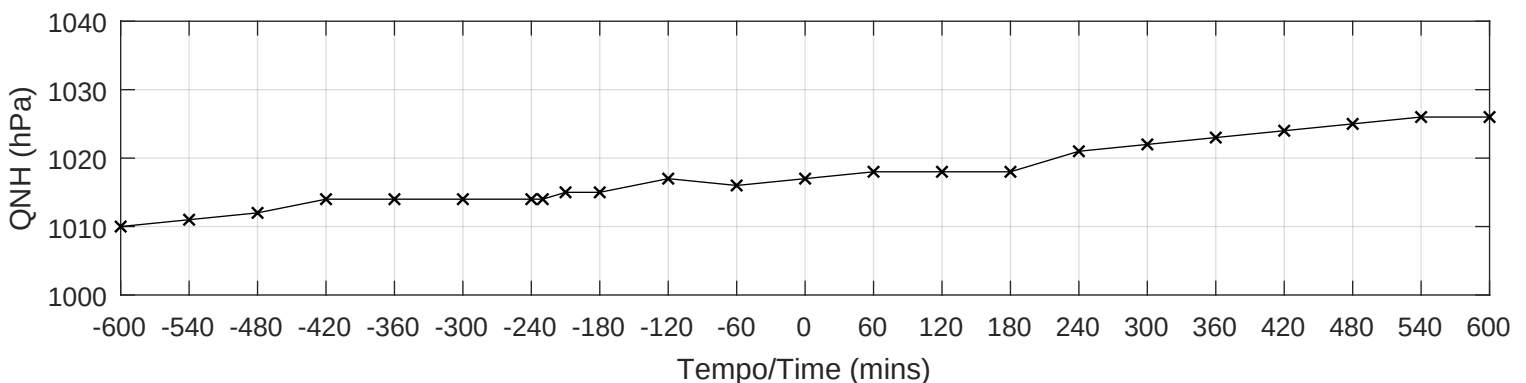
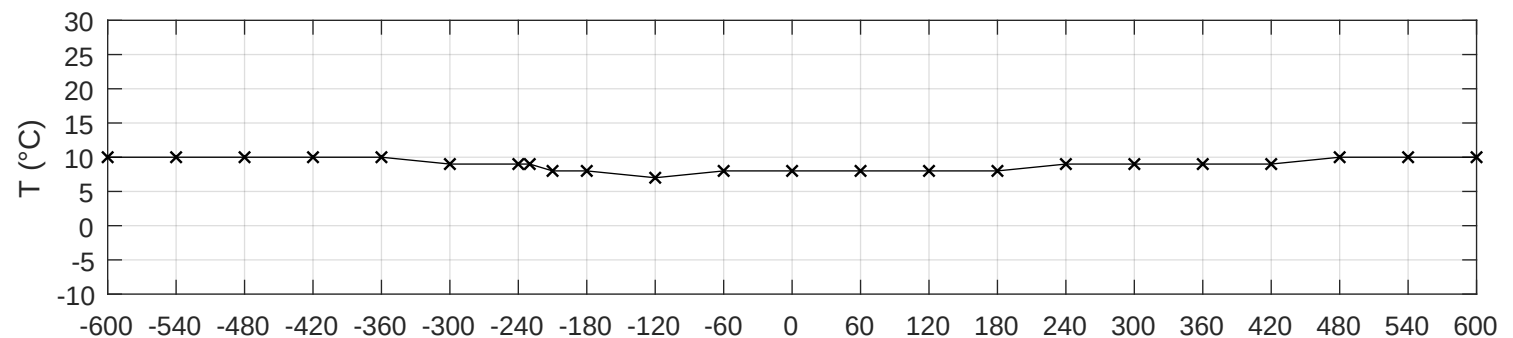
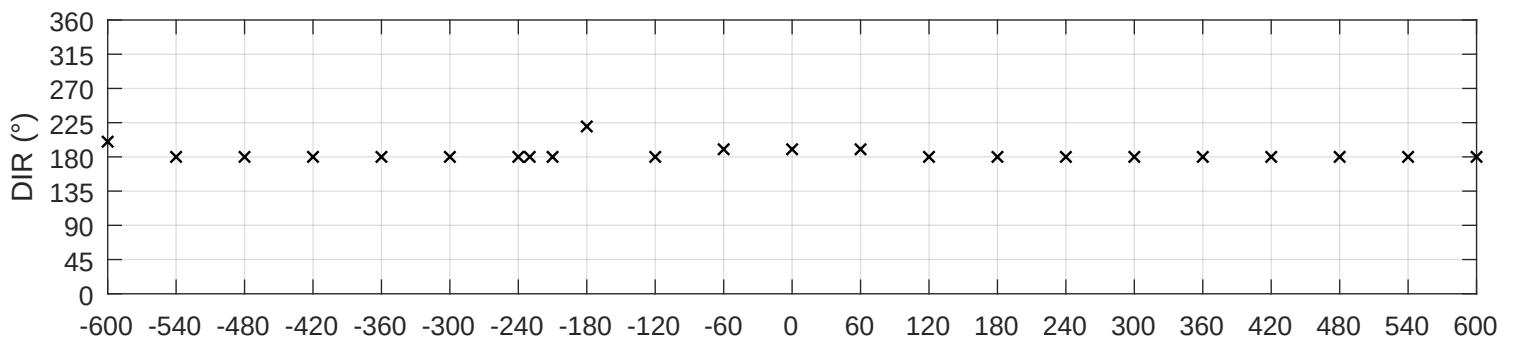
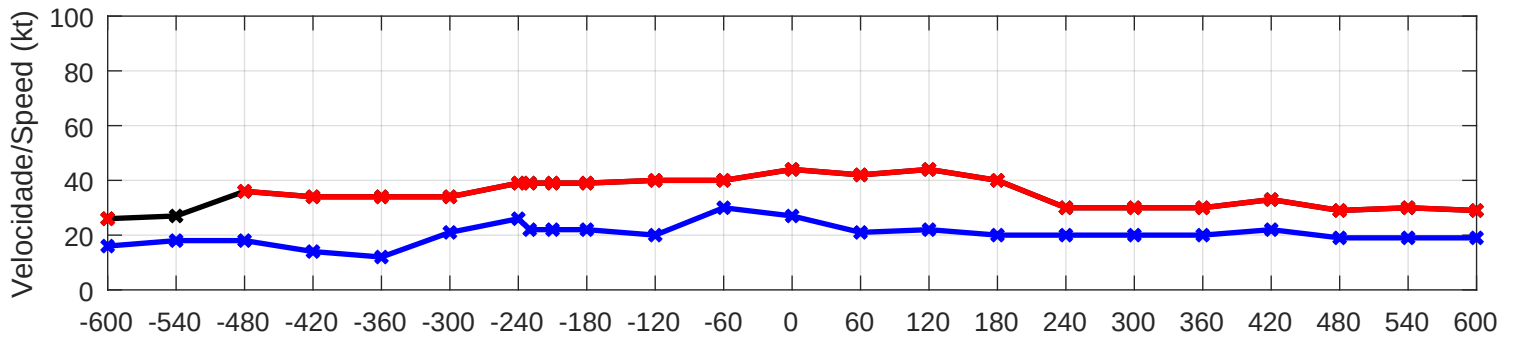
SUMU/86580 EVENTO/EVENT 78 - 02/11/1999, 15:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 44 \text{ kt}$	$R_{-6} = 1.4$	$T_{med,3} = []$	$DIR = 300^\circ$	NÃO/NO	SINÓTICO
$V_{obs} = 32 \text{ kt}$	$R_{-3} = []$	$\Delta T_{min,3} = 0.0 \text{ }^\circ\text{C}$	$\Delta DIR_{max,-3} = []$		SYNOPTIC
$G_V = 1.4$	$R_{+3} = 1.2$	$\Delta Q_{max,3} = 1.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 30^\circ$		(215)
$G_{cor} = 44.0 \text{ kt}$	$R_{+6} = 1.3$	$\Delta \text{ Grupo/Group} = 3$	METAR SUMU 021500Z 30032G44KT 9999 SCT017 BKN070 19/12 Q1001 WS LDG RWY06 TEMPO RA		
$V_{cor} = 32.0 \text{ kt}$					



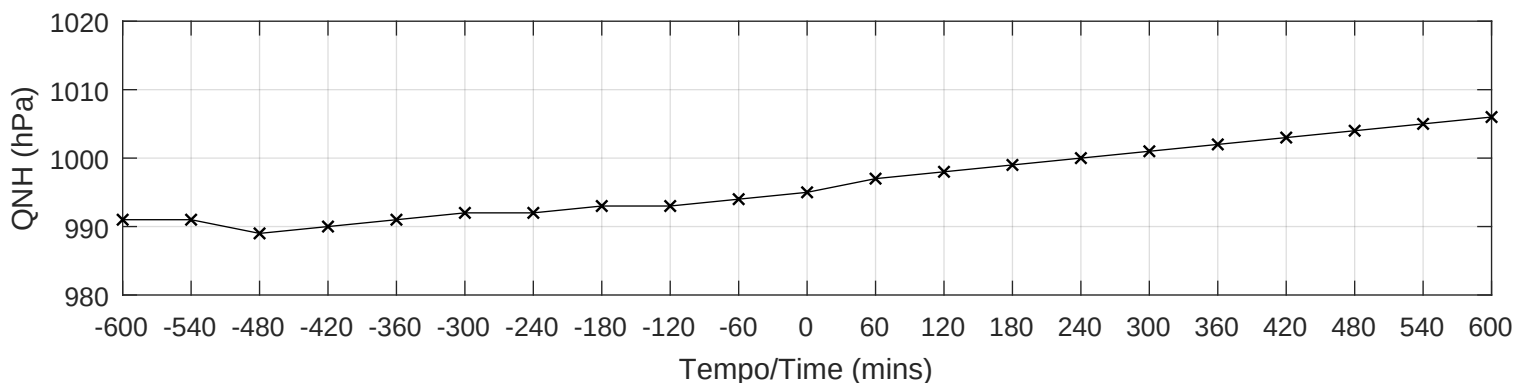
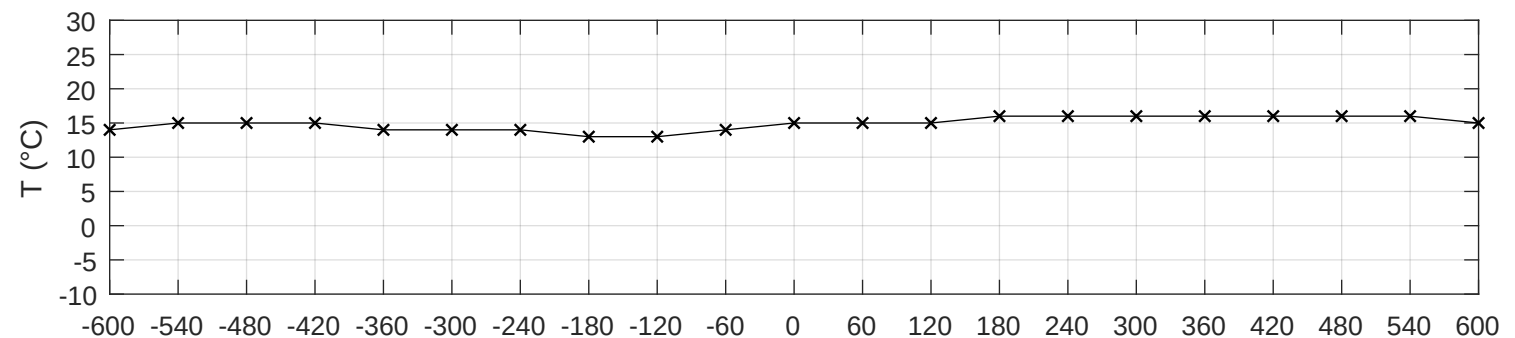
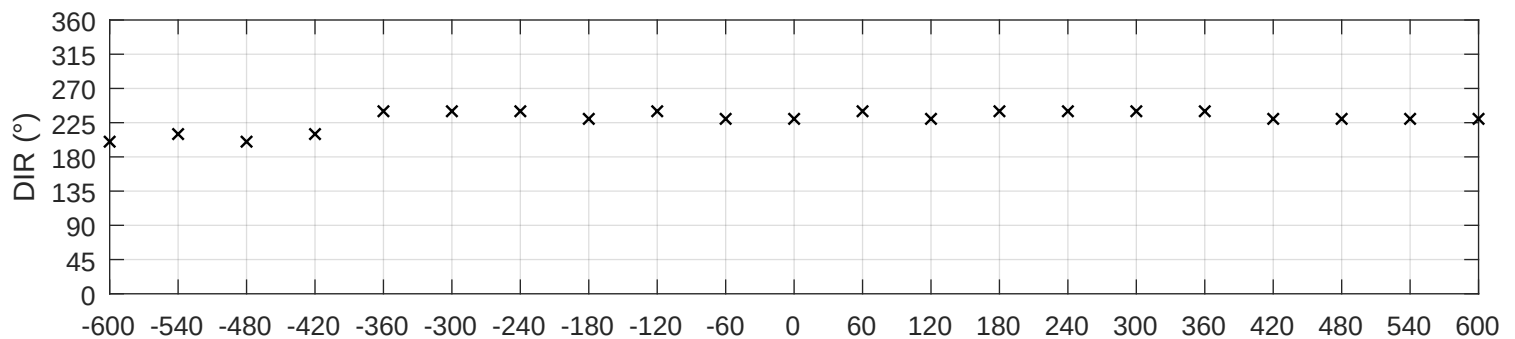
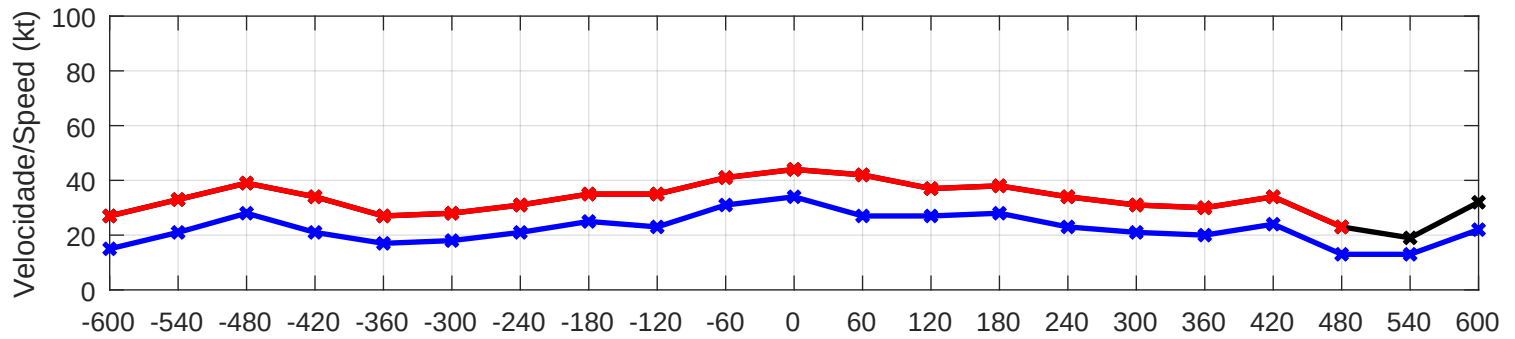
SUMU/86580 EVENTO/EVENT 79 - 13/08/2010, 07:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 44 \text{ kt}$	$R_{-6} = 1.2$	$T_{med,3} = 7.7 \text{ }^{\circ}\text{C}$	$DIR = 190^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 27 \text{ kt}$	$R_{-3} = 1.1$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 30^{\circ}$		SYNOPTIC
$G_V = 1.6$	$R_{+3} = 1.0$	$\Delta Q_{max,3} = 2.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(215)
$G_{cor} = 44.0 \text{ kt}$	$R_{+6} = 1.2$	$\Delta \text{ Grupo/Group} = 3$	SUMU 130700Z 19027G44KT 6000 BR OVC020 08/06 Q1017 TEMPORA=		
$V_{cor} = 27.0 \text{ kt}$					



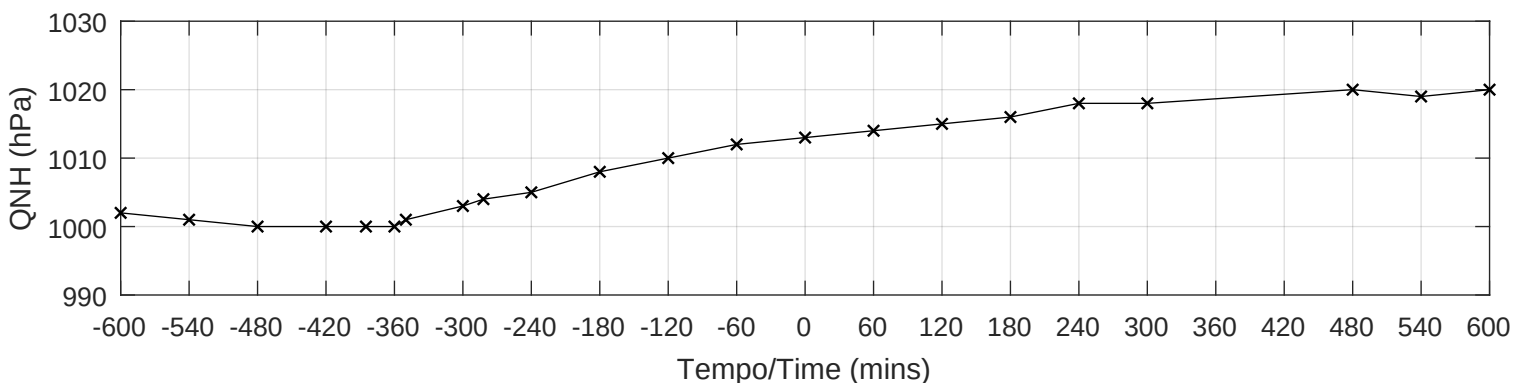
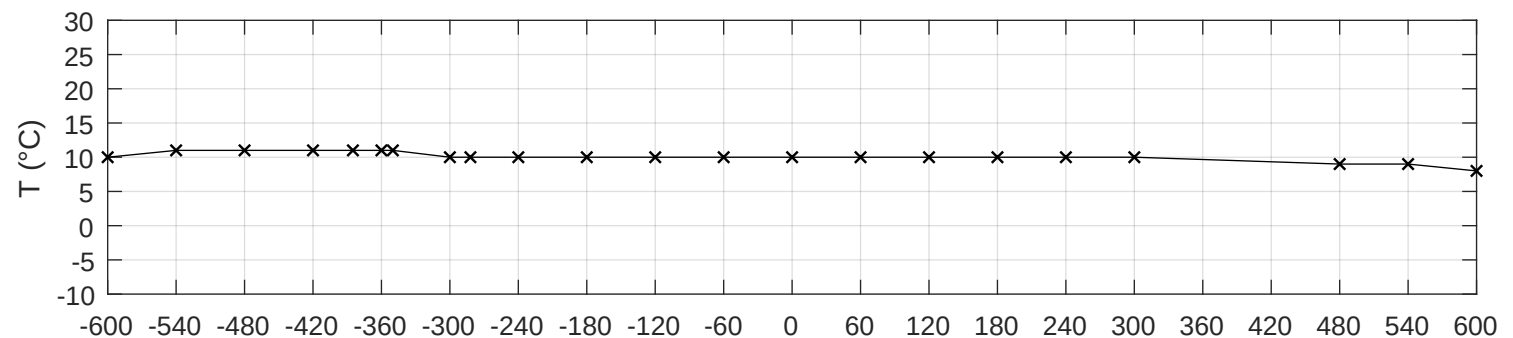
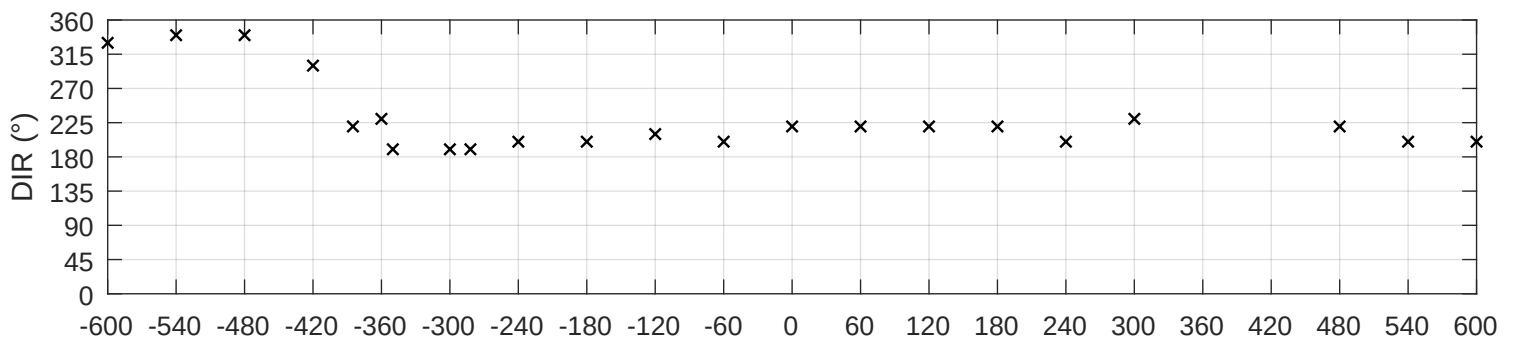
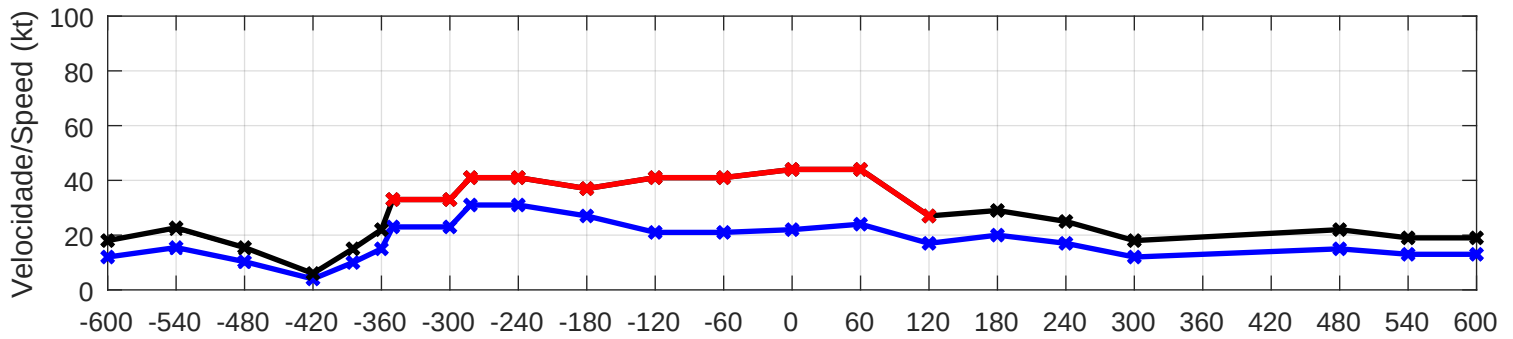
SUMU/86580 EVENTO/EVENT 81 - 23/10/2012, 13:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 44 \text{ kt}$	$R_{-6} = 1.3$	$T_{med,3} = 13.3 \text{ }^{\circ}\text{C}$	$DIR = 230^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 34 \text{ kt}$	$R_{-3} = 1.2$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 10^{\circ}$		SYNOPTIC
$G_V = 1.3$	$R_{+3} = 1.1$	$\Delta Q_{max,3} = 4.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 10^{\circ}$		(212)
$G_{cor} = 44.0 \text{ kt}$	$R_{+6} = 1.2$	Δ Grupo/Group = 2	METAR SUMU 231300Z 23034G44KT 9999 BKN013 OVC070 15/11 Q0995=		
$V_{cor} = 34.0 \text{ kt}$					



SUMU/86580 EVENTO/EVENT 82 - 27/07/2016, 01:00 UTC (MSS - REDEMET)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G_{obs} = 44 \text{ kt}$	$R_{-6} = 1.1$	$T_{med,3} = 10.0 \text{ }^{\circ}\text{C}$	$DIR = 220^{\circ}$	NÃO/NO	SINÓTICO
$V_{obs} = 22 \text{ kt}$	$R_{-3} = 1.1$	$\Delta T_{min,3} = 0.0 \text{ }^{\circ}\text{C}$	$\Delta DIR_{max,-3} = 20^{\circ}$		SYNOPTIC
$G_V = 2.0$	$R_{+3} = 1.3$	$\Delta Q_{max,3} = 4.0 \text{ hPa}$	$\Delta DIR_{max,+3} = 0^{\circ}$		(215)
$G_{cor} = 44.0 \text{ kt}$	$R_{+6} = 1.5$	$\Delta \text{ Grupo/Group} = 3$	METAR SUMU 270100Z 22022G44KT 7000 DZ OVC020 10/07 Q1013 TEMPO 27G37=		
$V_{cor} = 22.0 \text{ kt}$					



SUMU/86580 EVENTO/EVENT 83 - 09/10/2000, 19:00 UTC (MSS - WUNDERGROUND)

Valores de Pico Peak Values	Razões de Pico Peak Ratios	Δ Temp. & Press.	Δ Direção Δ Direction	Temp. Elétrica Thunderstorm	Classificação Classification
$G^* = 42$ kt	$R_{-6} = 1.5$	$T_{med,3} = 19.0$ °C	$DIR = 250^\circ$	NÃO/NO	SINÓTICO
$V_{obs} = 32$ kt	$R_{-3} = 1.3$	$\Delta T_{min,3} = -4.0$ °C	$\Delta DIR_{max,-3} = 60^\circ$		SYNOPTIC
$G_V = []$	$R_{+3} = 1.9$	$\Delta Q_{max,3} = 4.0$ hPa	$\Delta DIR_{max,+3} = 40^\circ$		(221)
$G_{cor} = 43.3$ kt	$R_{+6} = 2.0$	Δ Grupo/Group = 1	METAR SUMU 091900Z 25032KT 9999 BKN017 20/11 Q1008		
$V_{cor} = 33.0$ kt					

