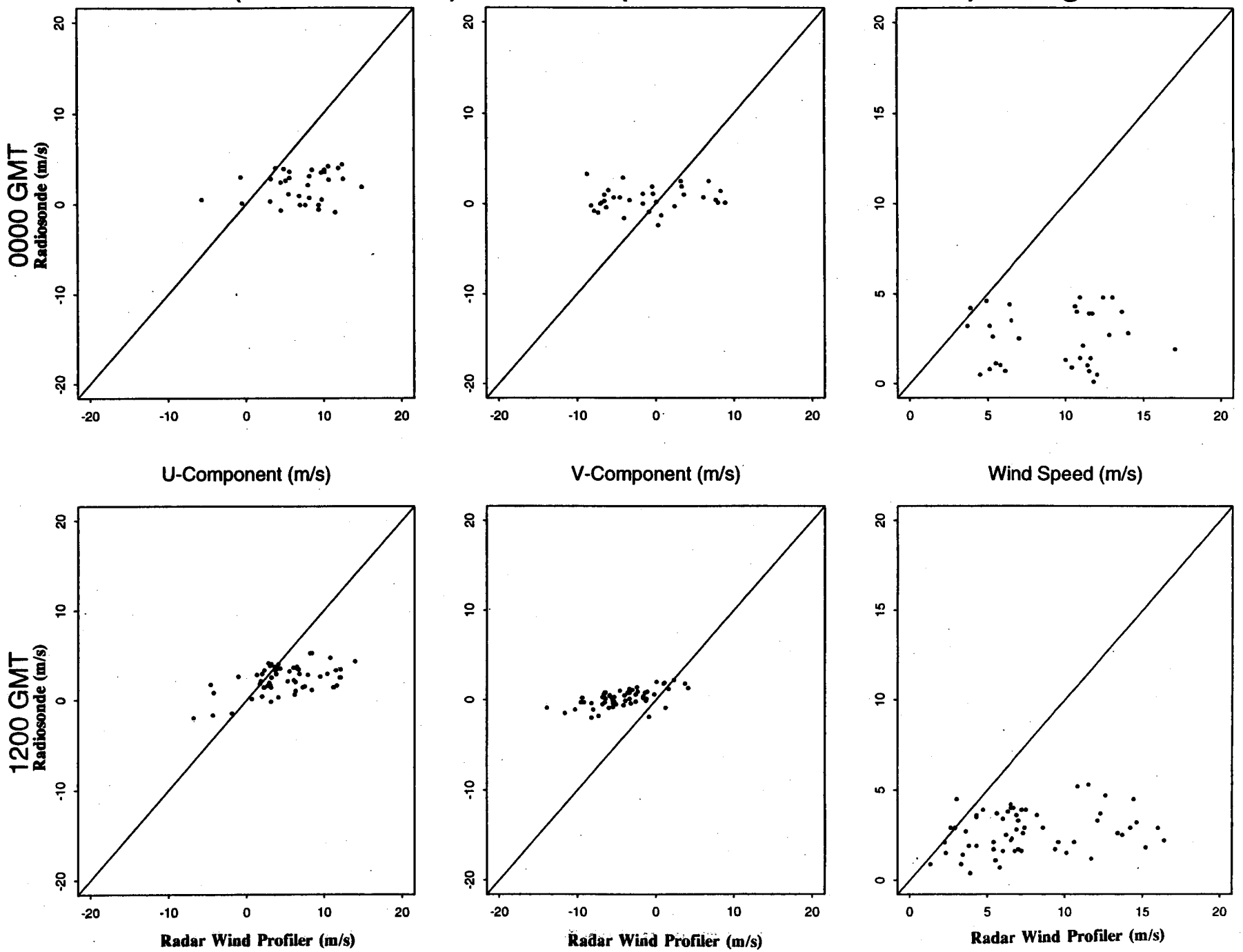
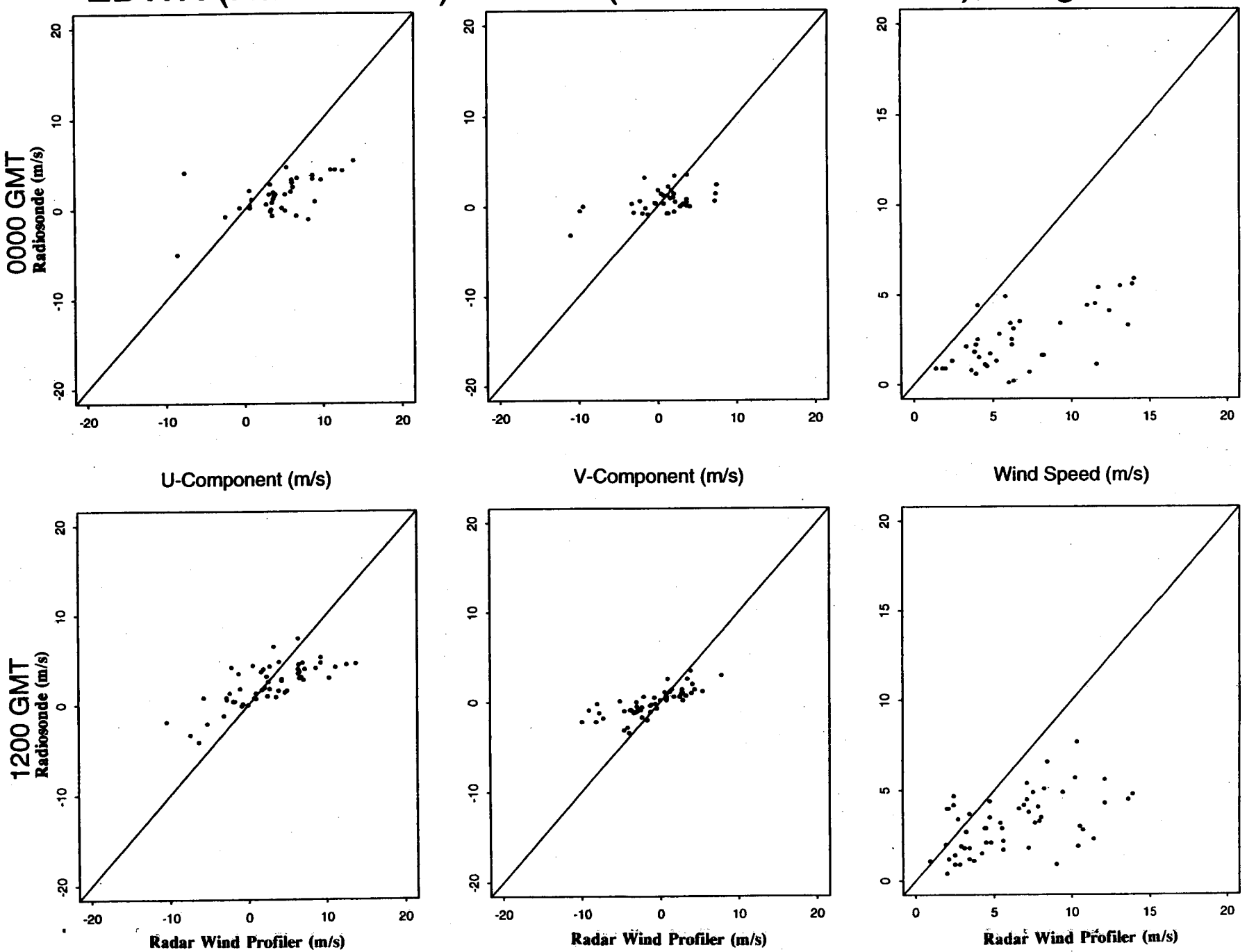
July 199

SCATTER PLOTS OF U AND V WIND COMPONENTS AND WIND SPEEDS AND HISTOGRAMS OF DIFFERENCES BETWEEN U AND V WIND COMPONENT, WIND SPEED, AND WIND DIRECTION DATA FOR RADAR WIND PROFILER (RWP) AND RADIOSONDE SITE PAIRS LOCATED IN THE SOUTHEAST DESERT AIR BASIN (SEDAB)

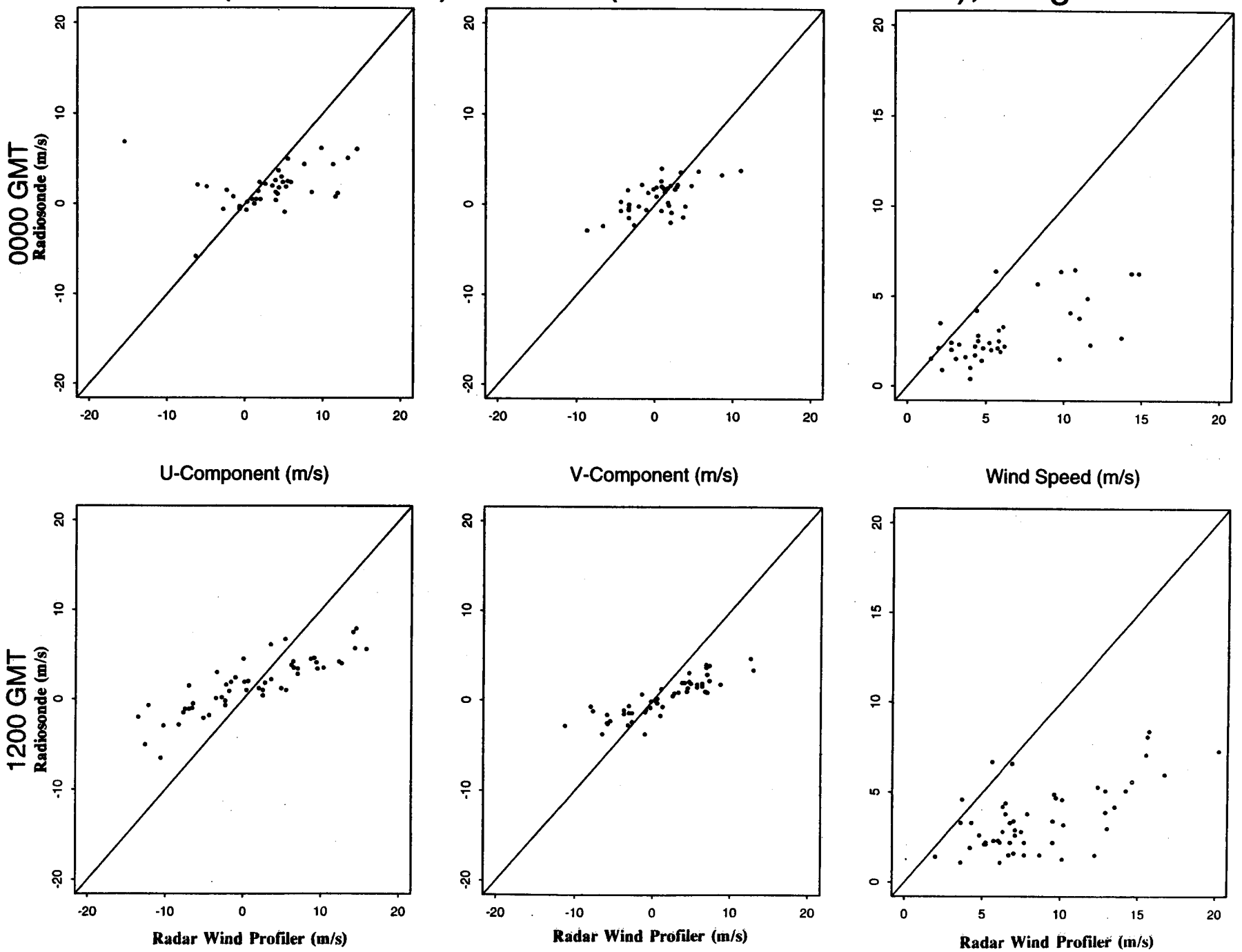
EDWR (Radiosonde) vs MOJ (Radar Wind Profiler), Height=300M



EDWR (Radiosonde) vs MOJ (Radar Wind Profiler), Height=1000M

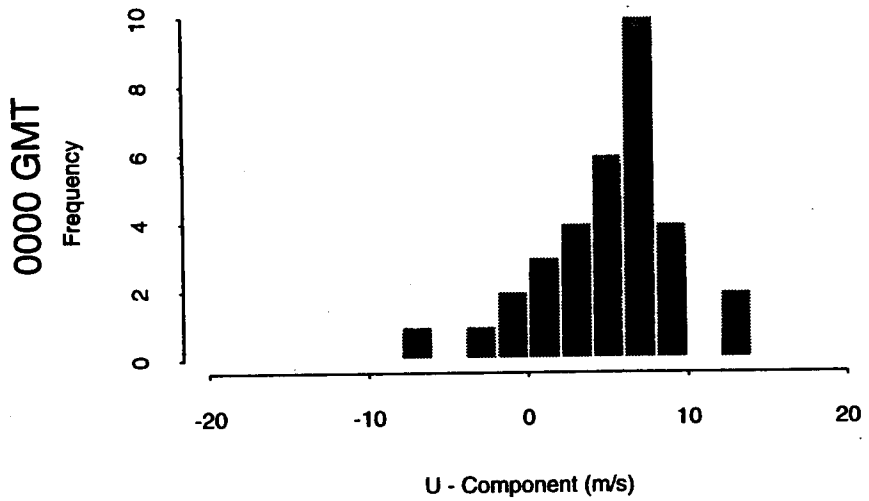


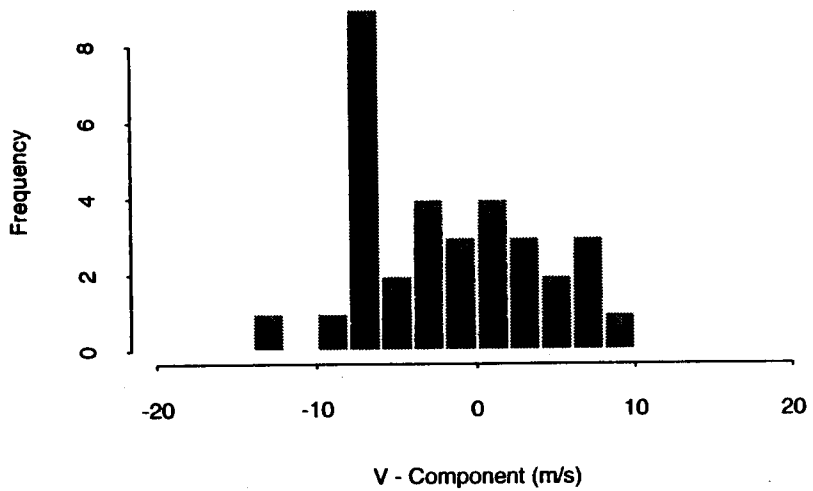
EDWR (Radiosonde) vs MOJ (Radar Wind Profiler), Height=2000M

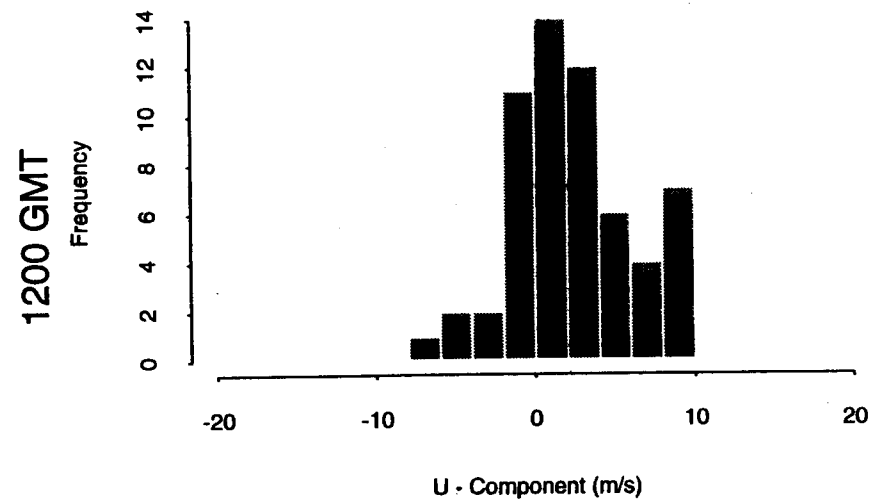


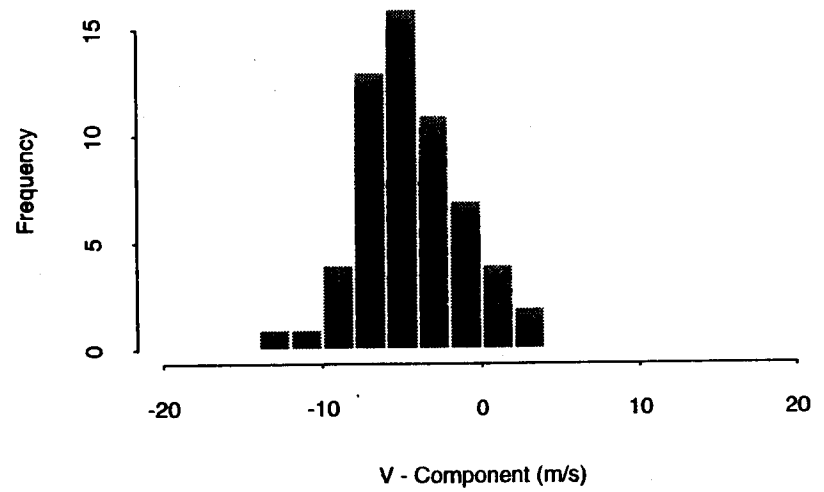
Frequency Distribution of Differences

MOJ (Radar Wind Profiler) - EDWR (Radiosonde), 300M





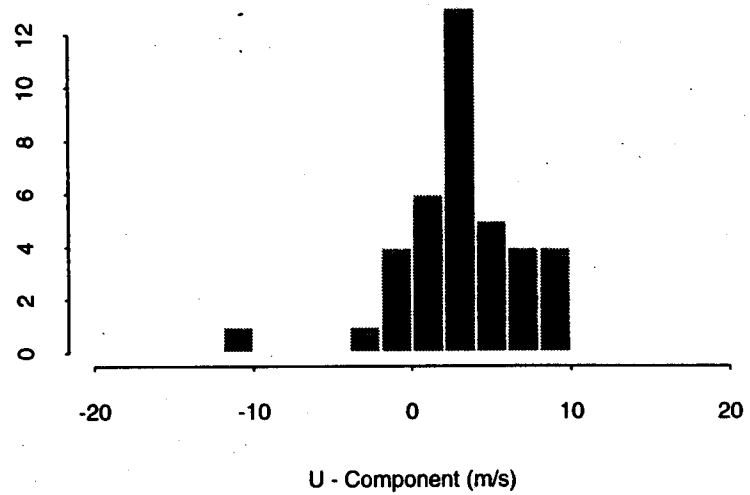


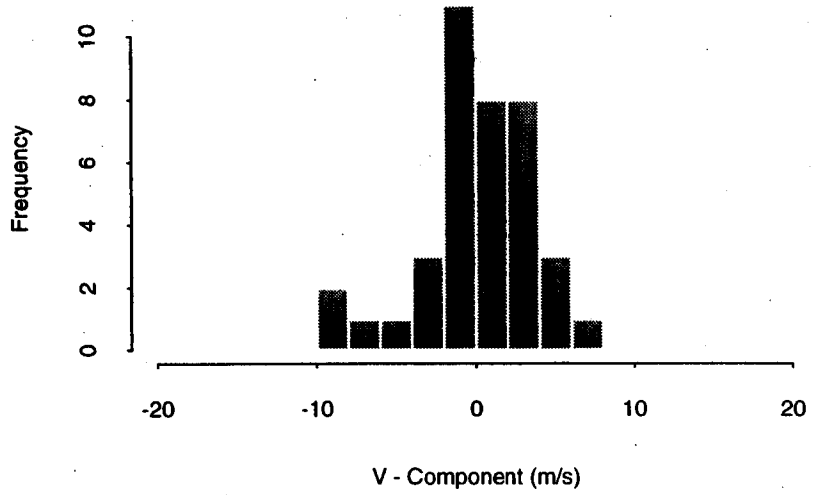


Frequency Distribution of Differences

MOJ (Radar Wind Profiler) - EDWR (Radiosonde), 1000M

0000 GMT





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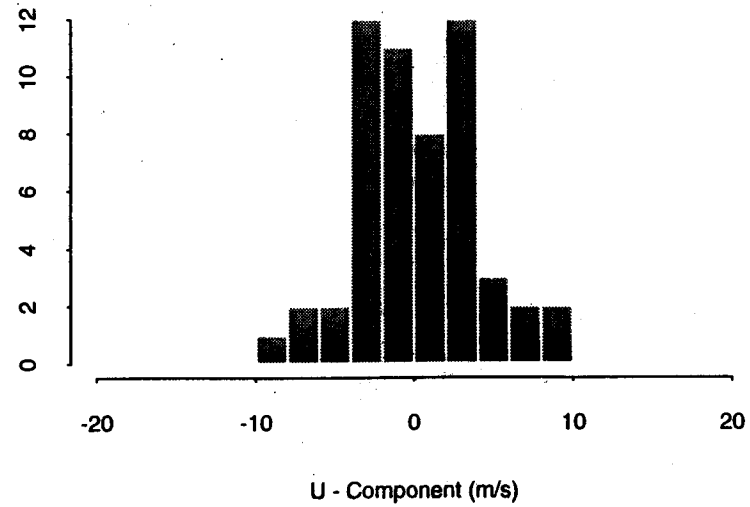
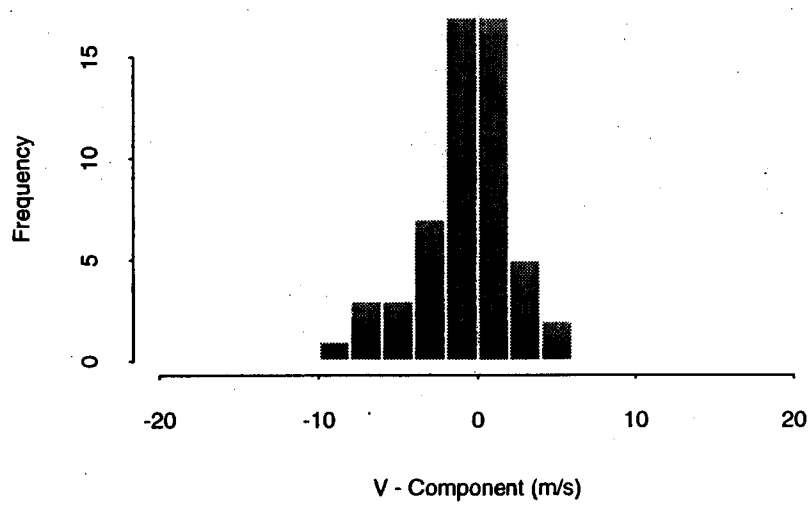
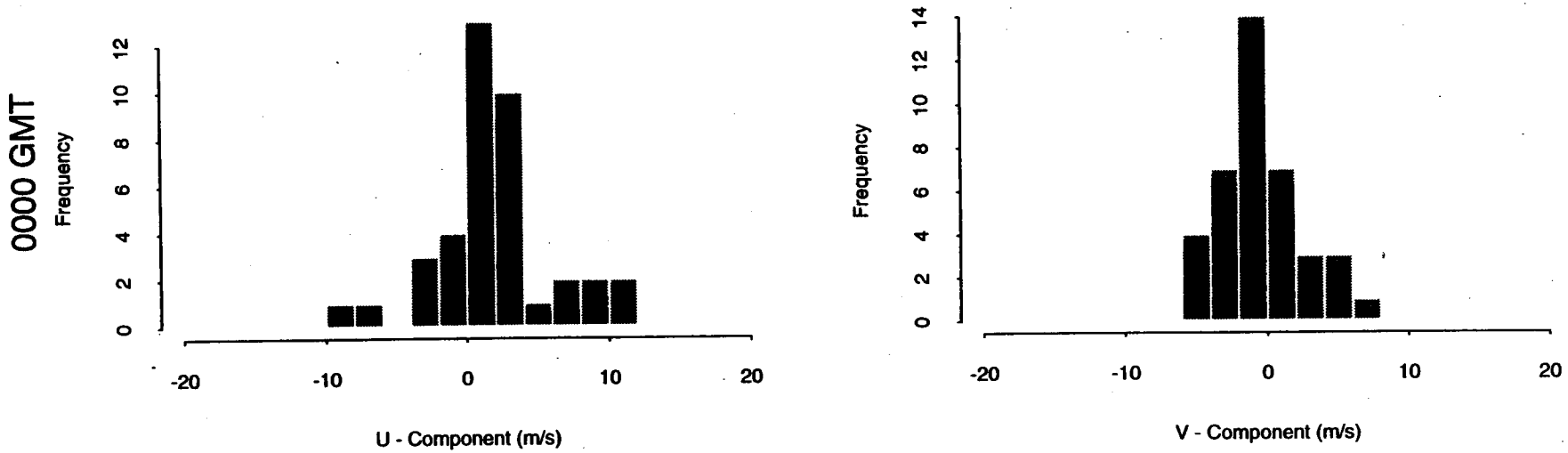
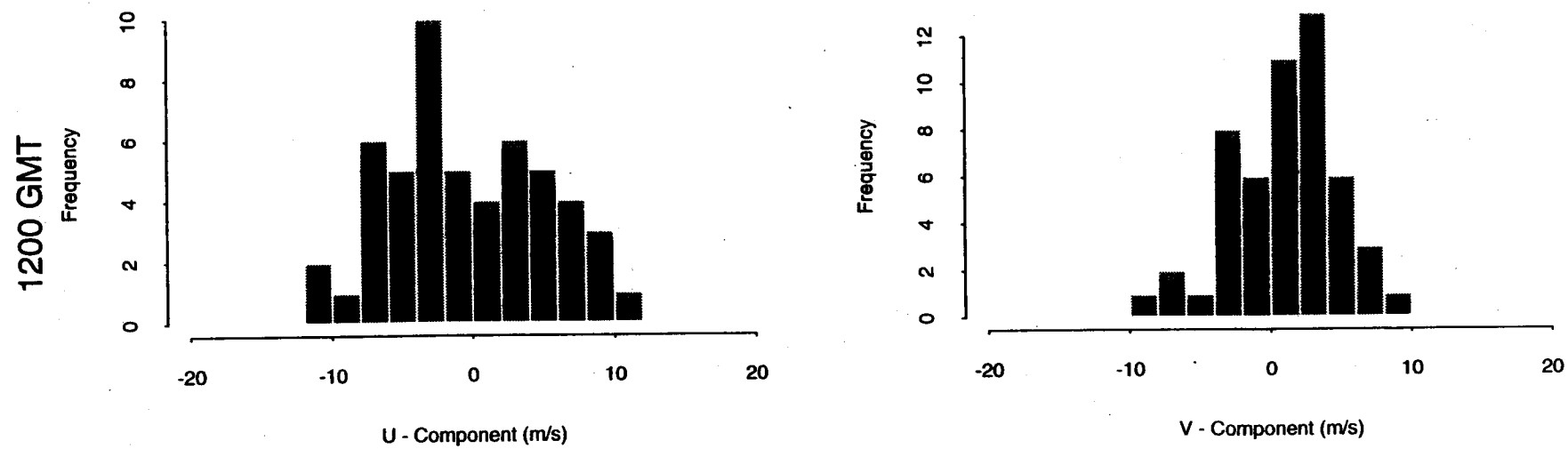




Frequency Distribution of Differences

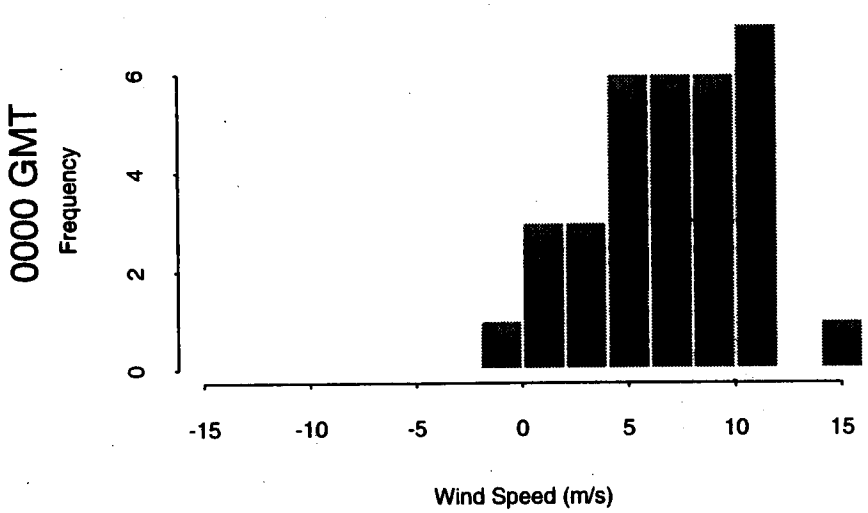
MOJ (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

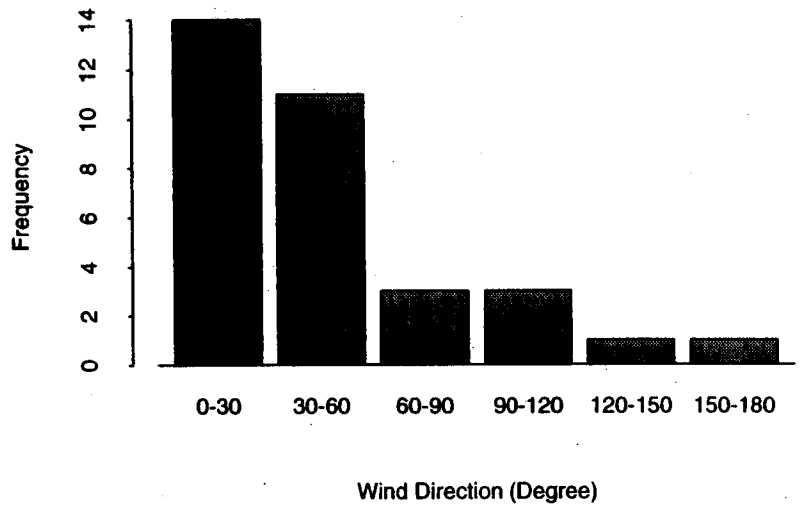


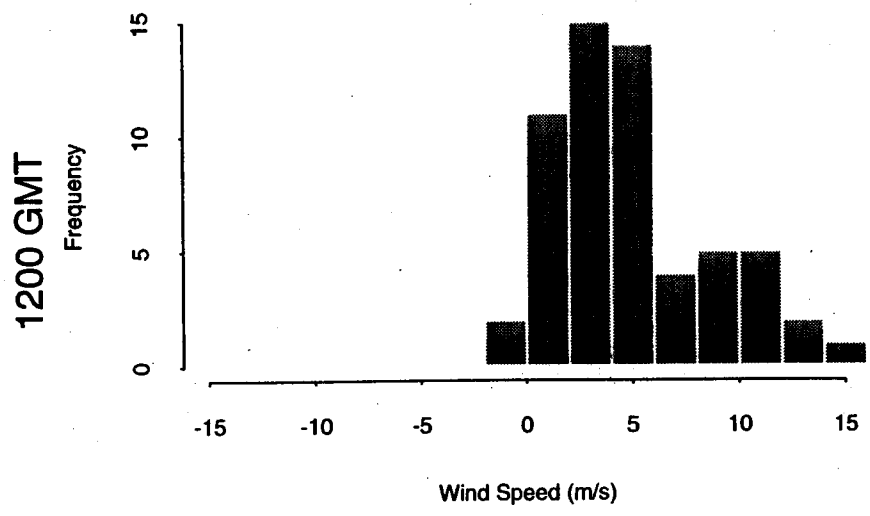


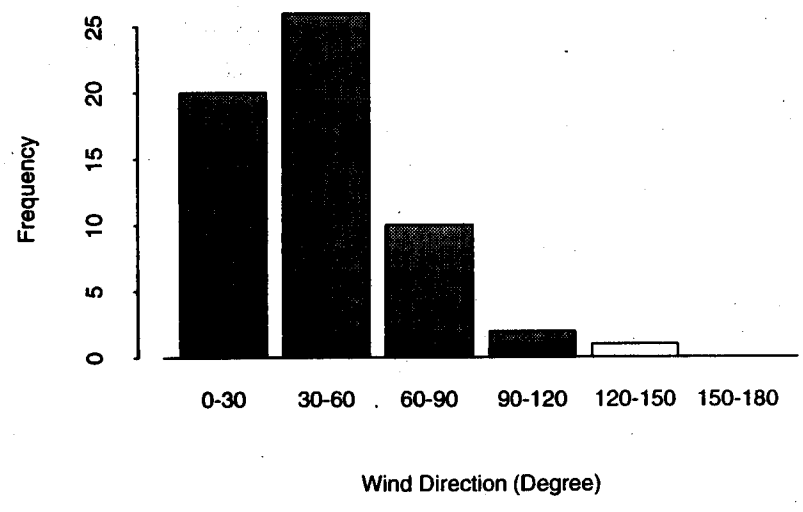
Frequency Distribution of Differences

MOJ (Radar Wind Profiler) - EDWR (Radiosonde), 300M



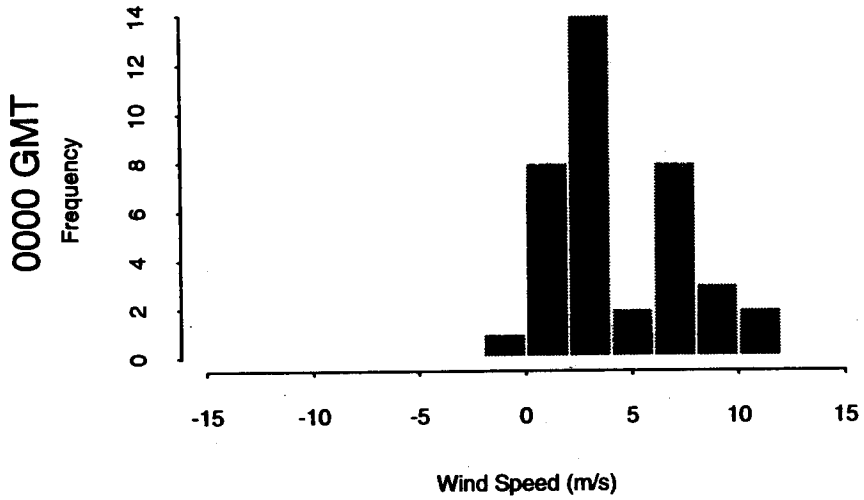


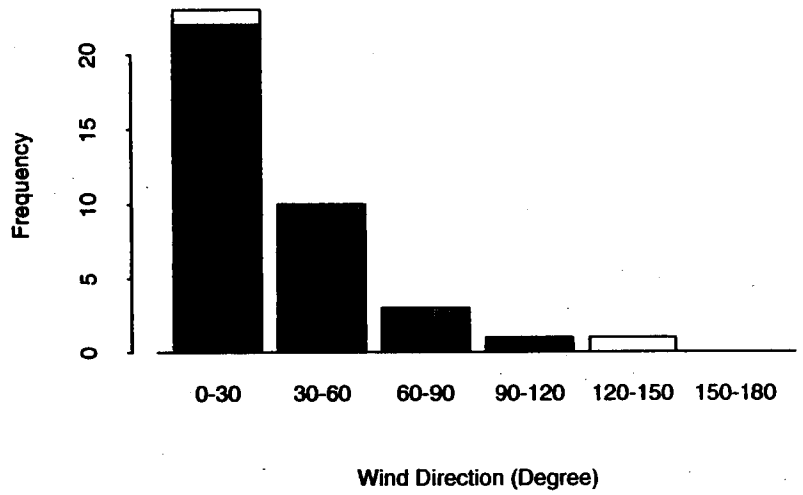


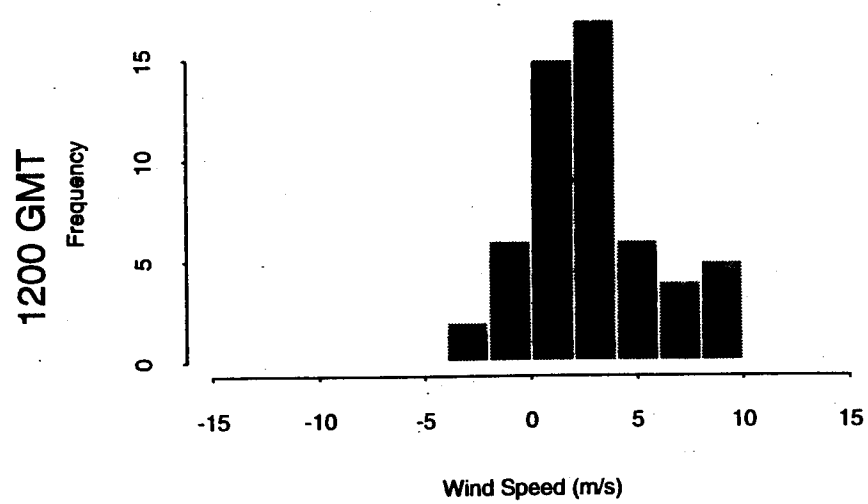


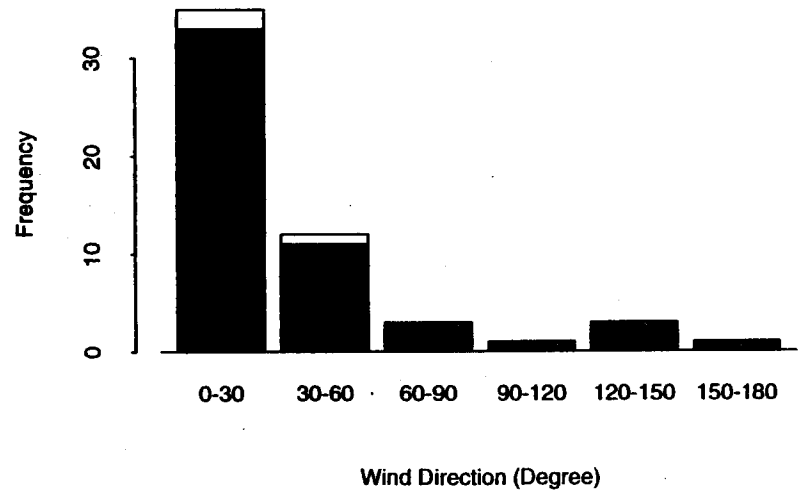
Frequency Distribution of Differences

MOJ (Radar Wind Profiler) - EDWR (Radiosonde), 1000M



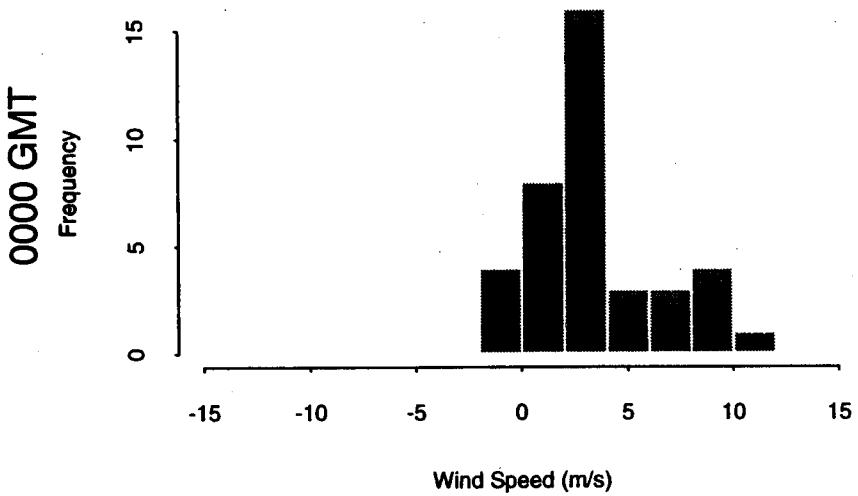


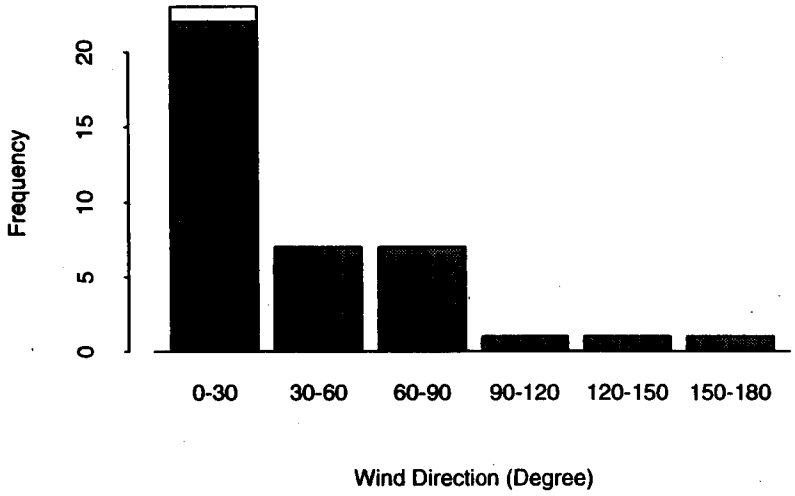


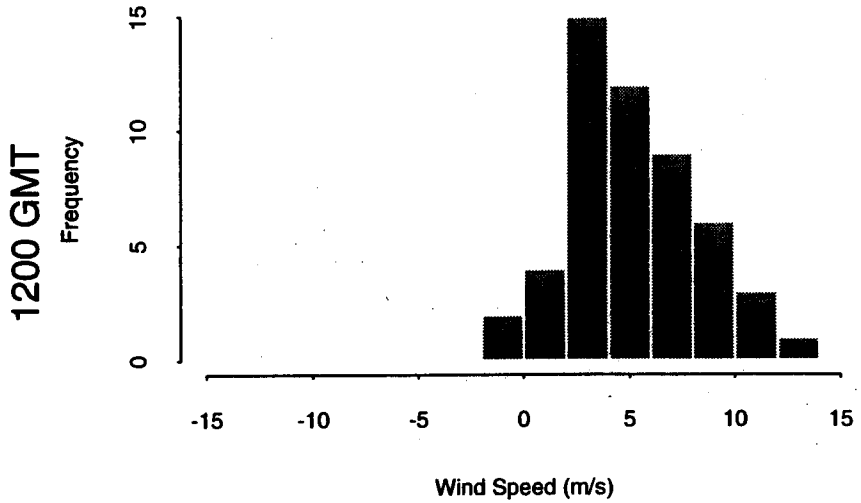


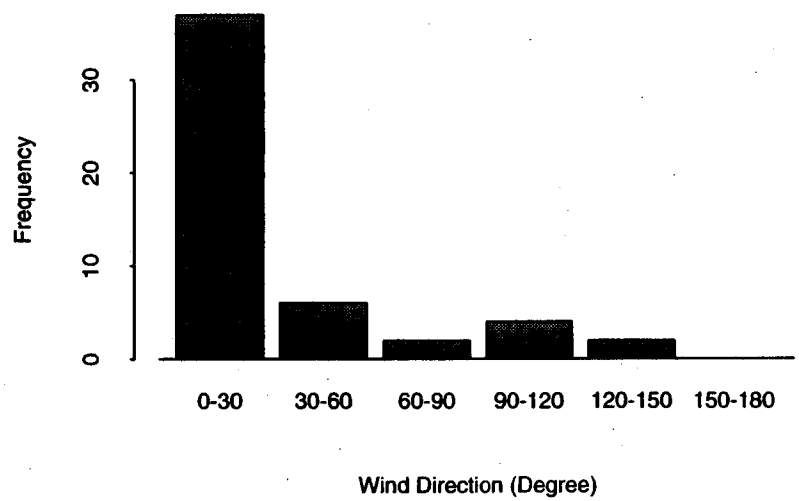
Frequency Distribution of Differences

MOJ (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

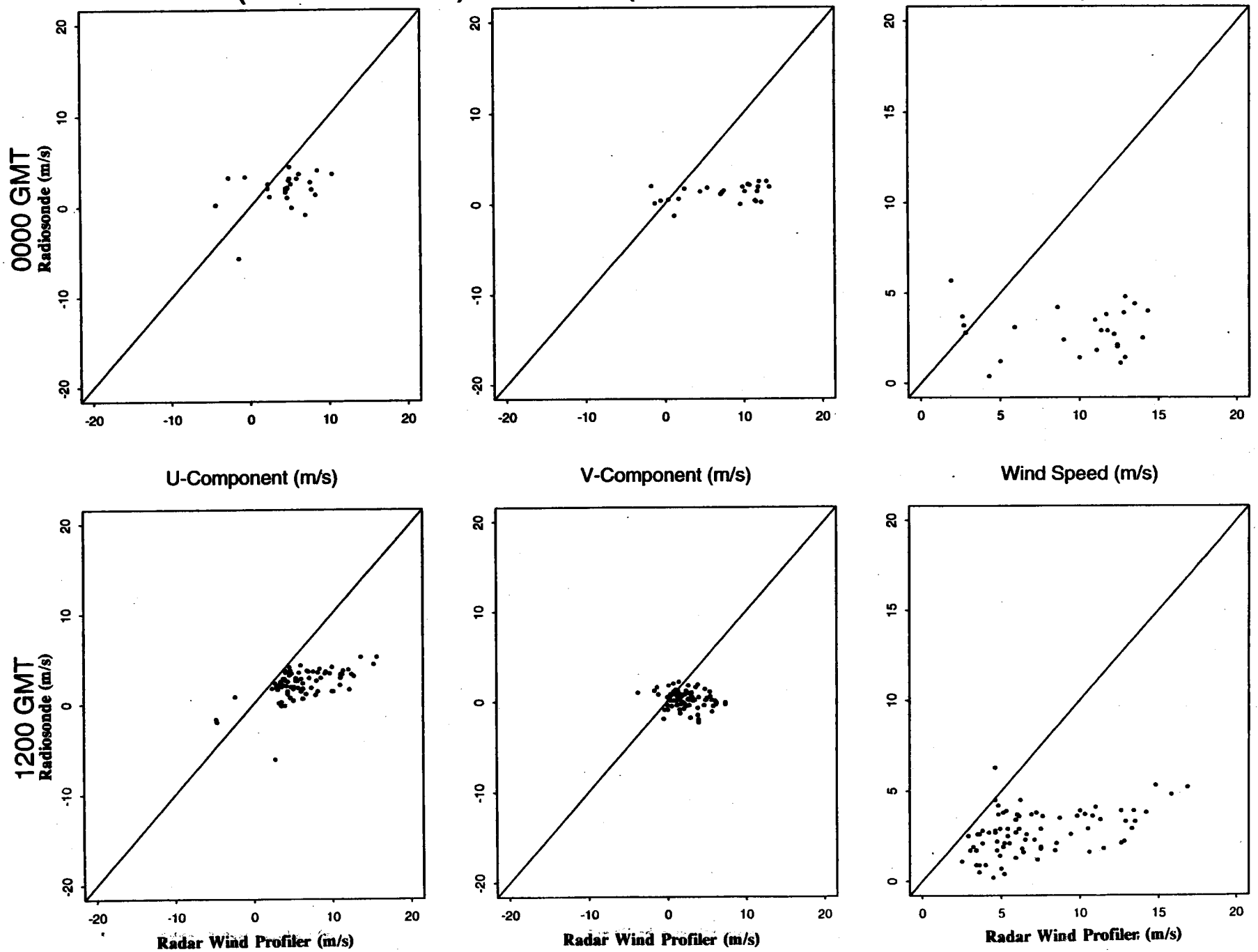




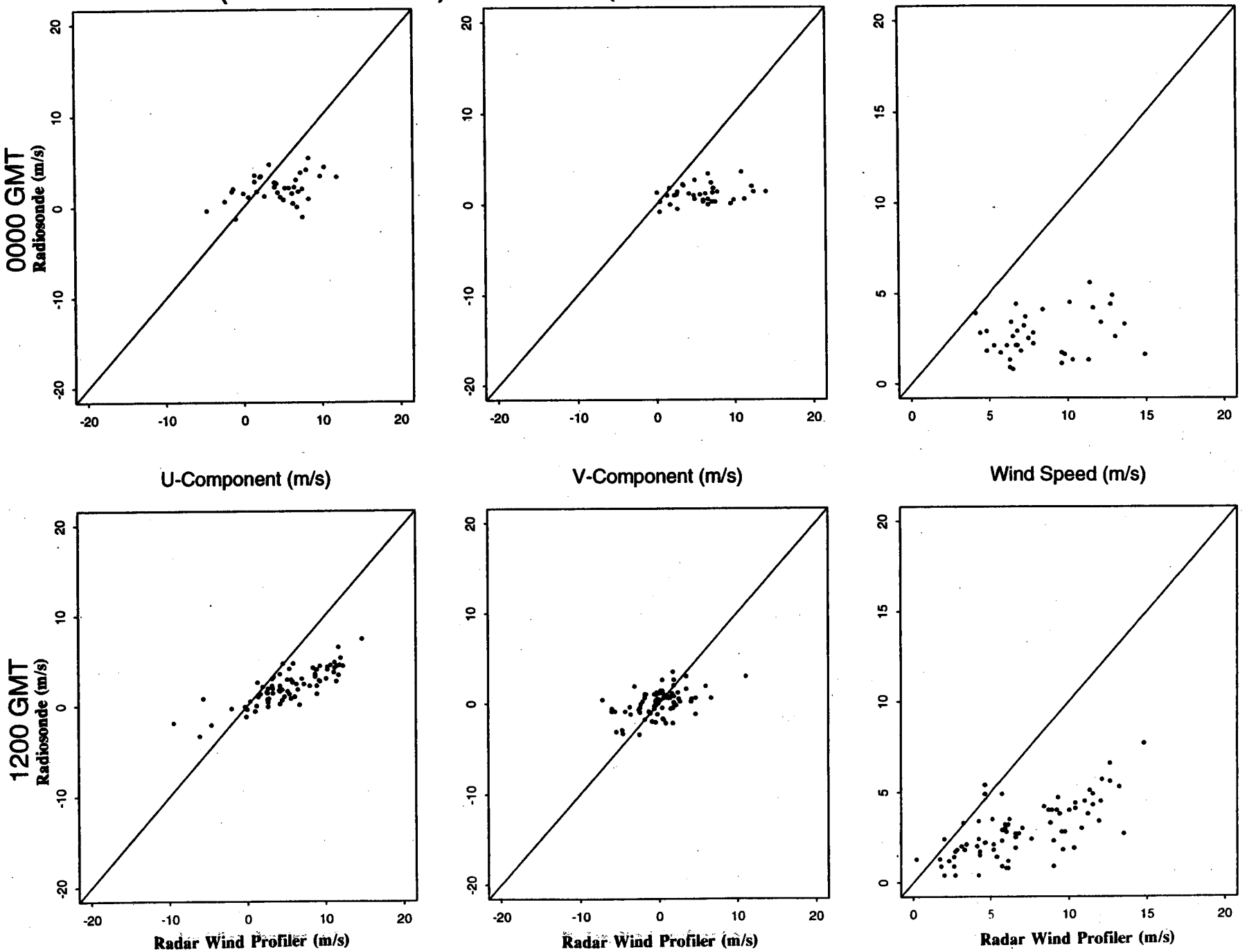




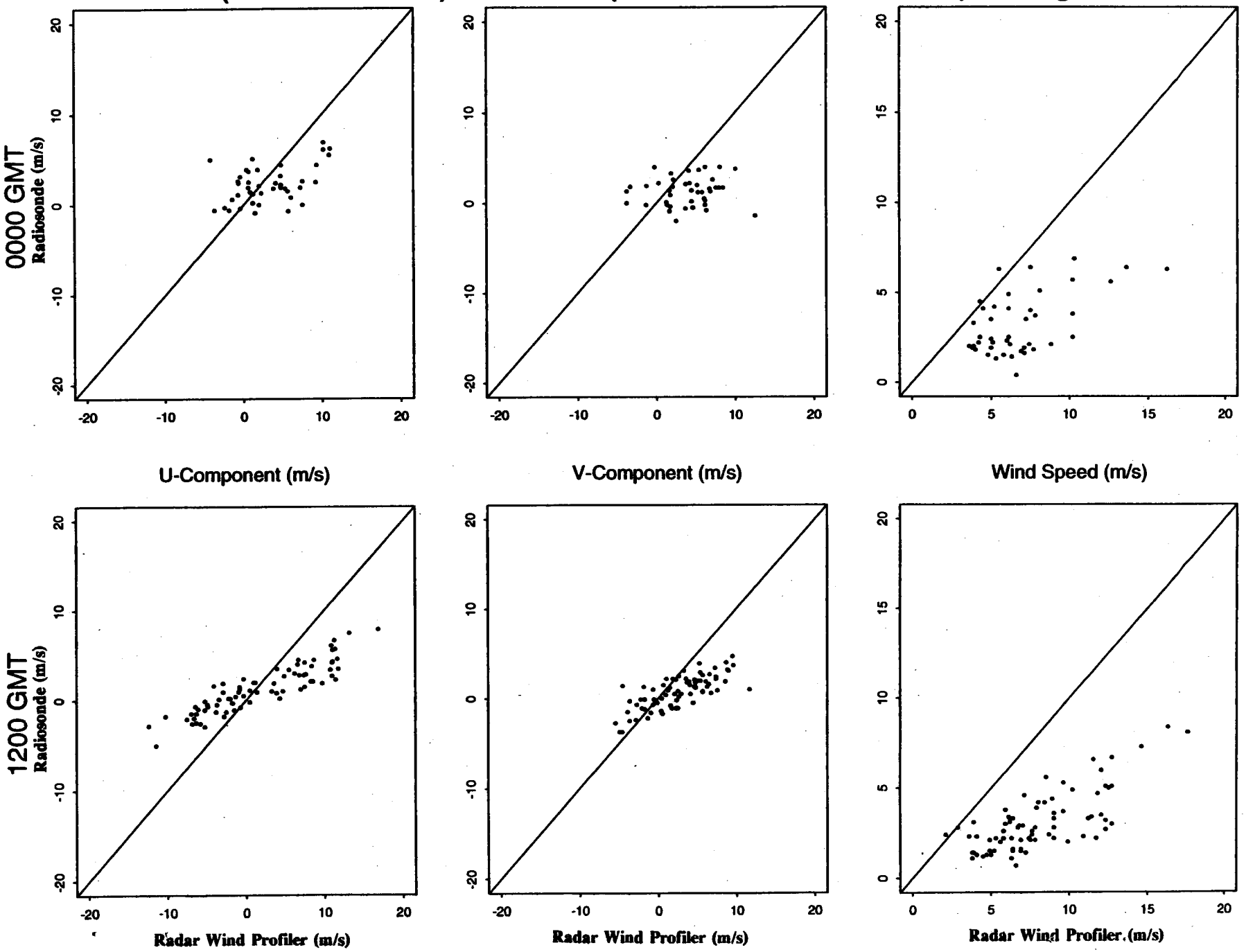
EDWR (Radiosonde) vs BAR (Radar Wind Profiler), Height=300M



EDWR (Radiosonde) vs BAR (Radar Wind Profiler), Height=1000M

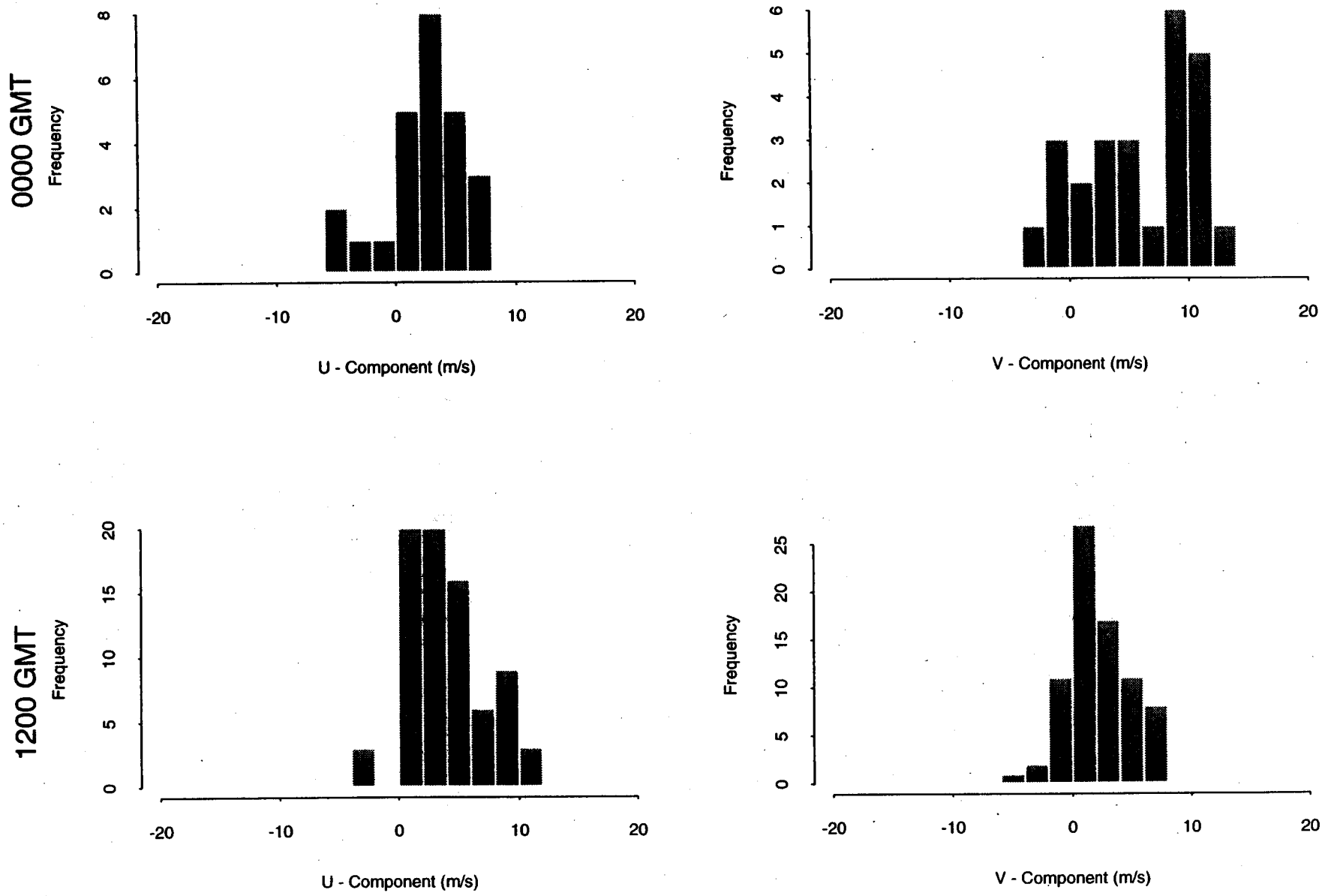


EDWR (Radiosonde) vs BAR (Radar Wind Profiler), Height=2000M



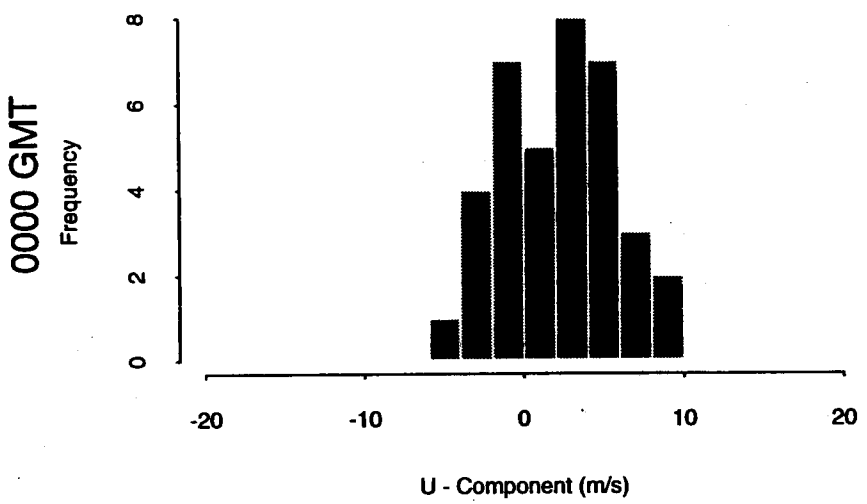
Frequency Distribution of Differences

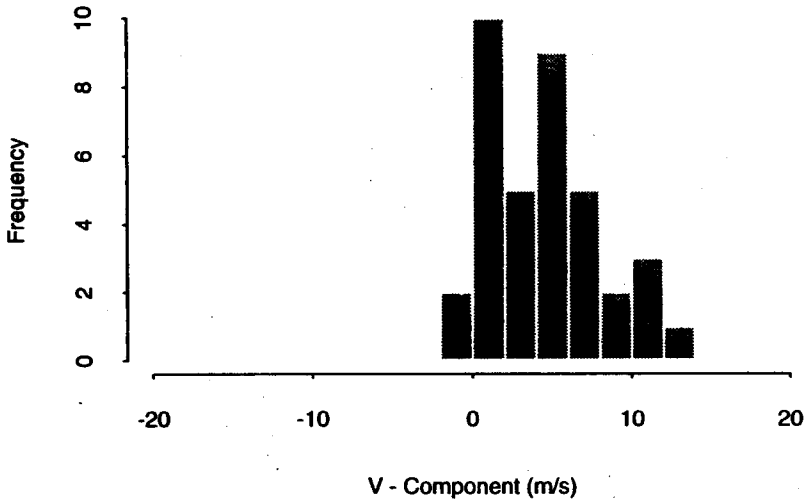
BAR (Radar Wind Profiler) - EDWR (Radiosonde), 300M

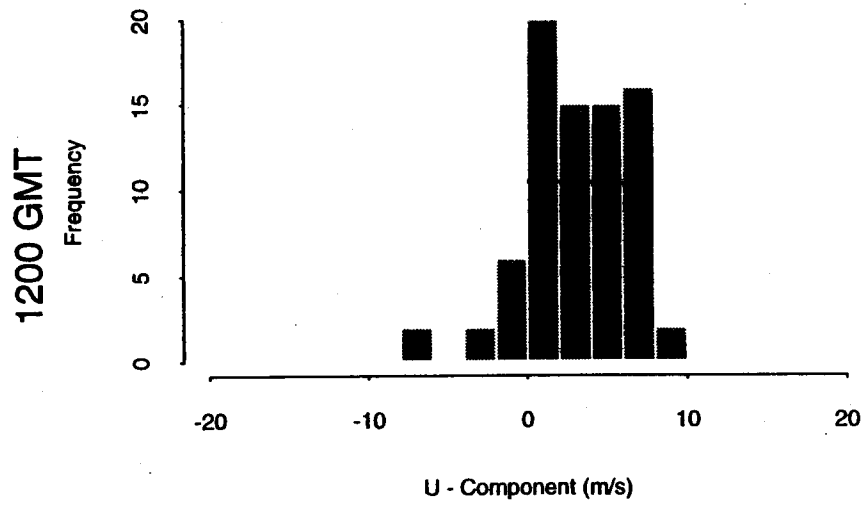


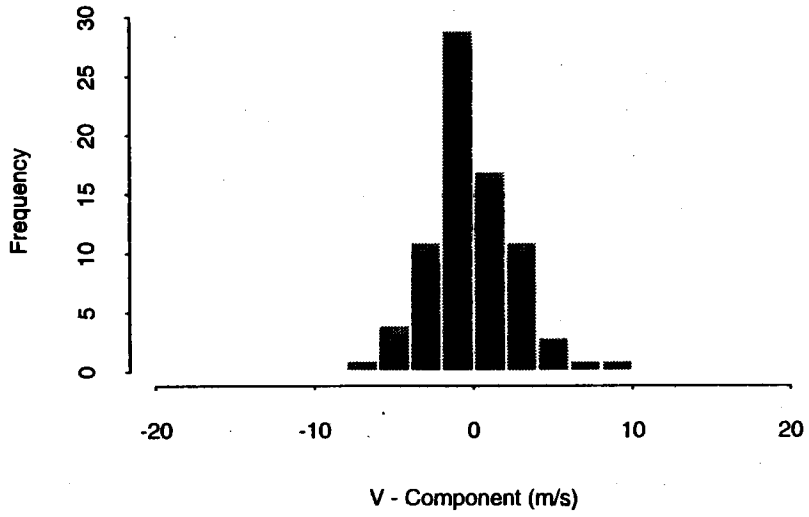
Frequency Distribution of Differences

BAR (Radar Wind Profiler) - EDWR (Radiosonde), 1000M



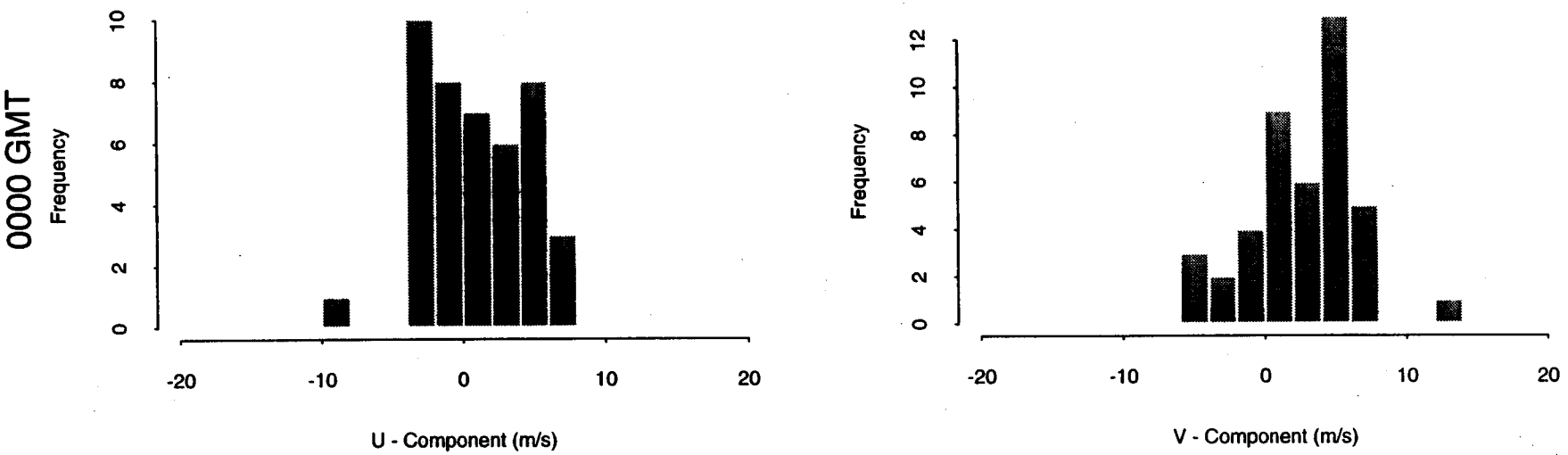


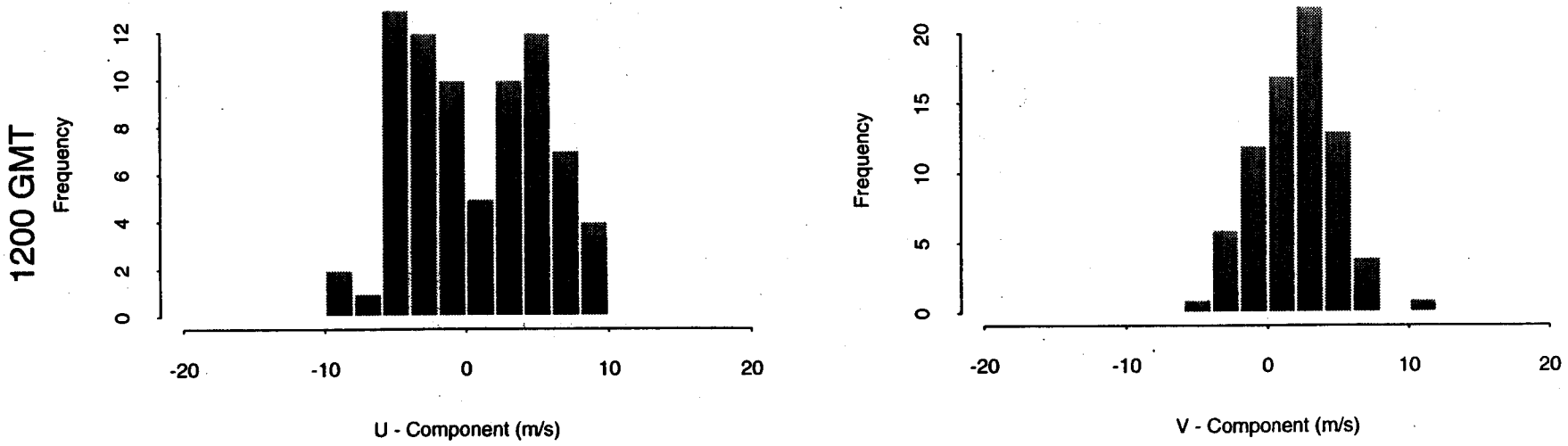




Frequency Distribution of Differences

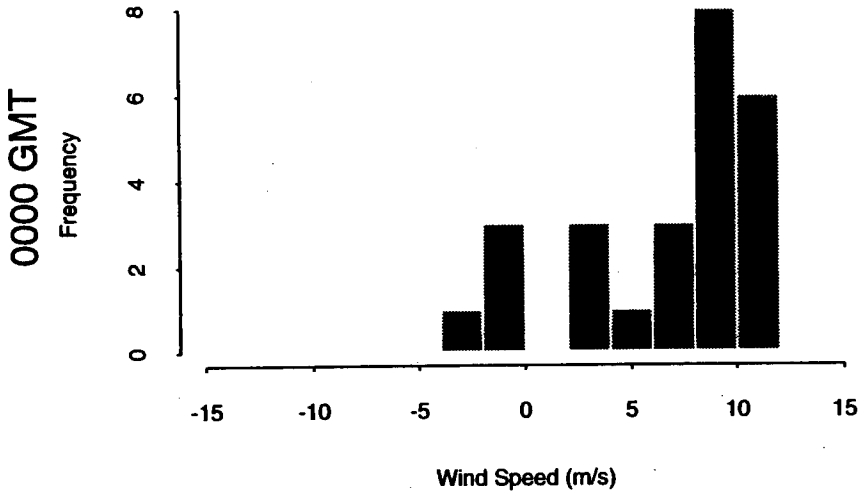
BAR (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

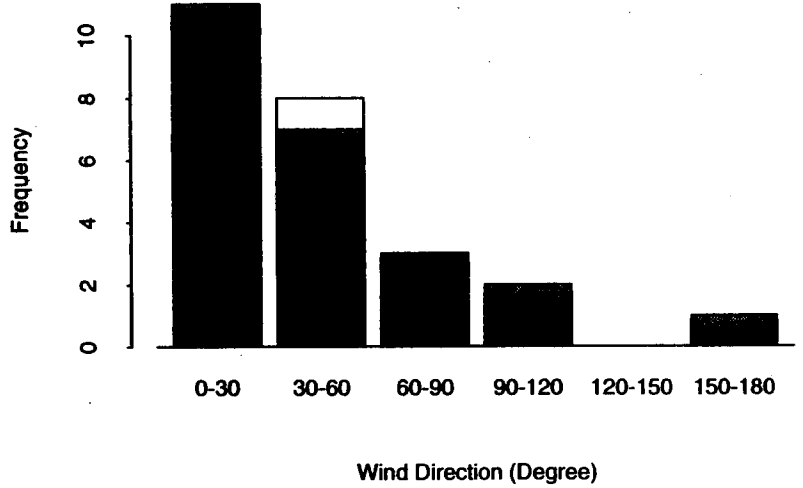


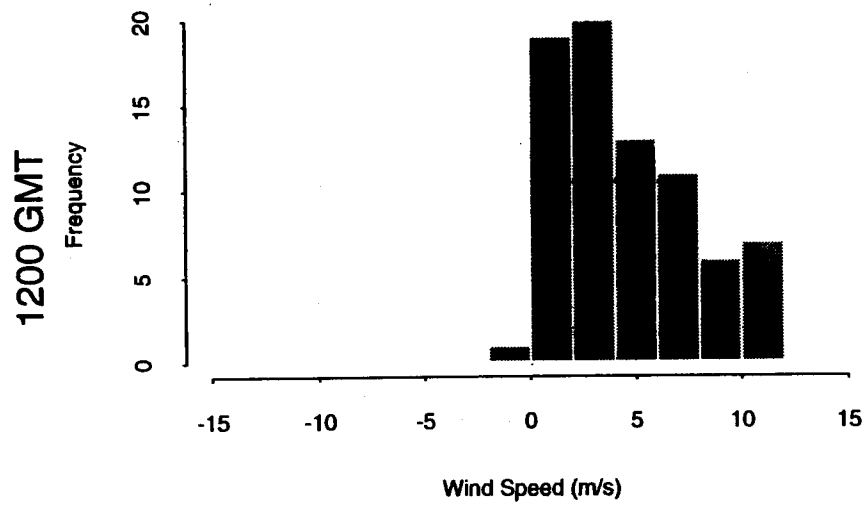


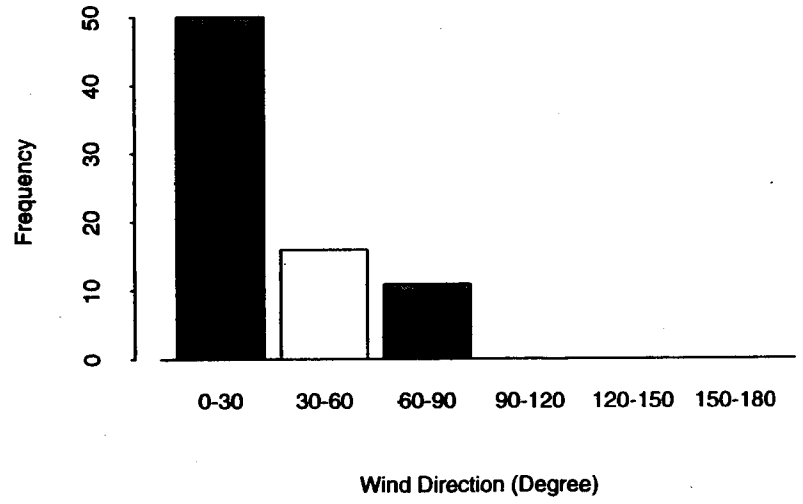
Frequency Distribution of Differences

BAR (Radar Wind Profiler) - EDWR (Radiosonde), 300M



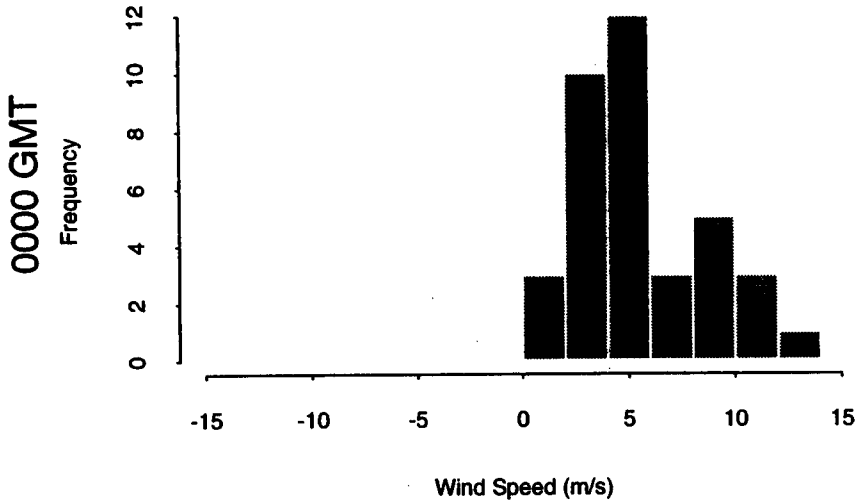


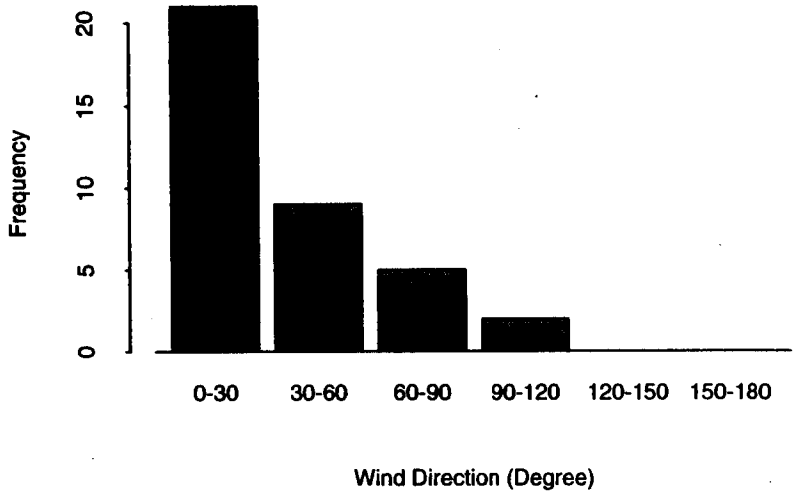


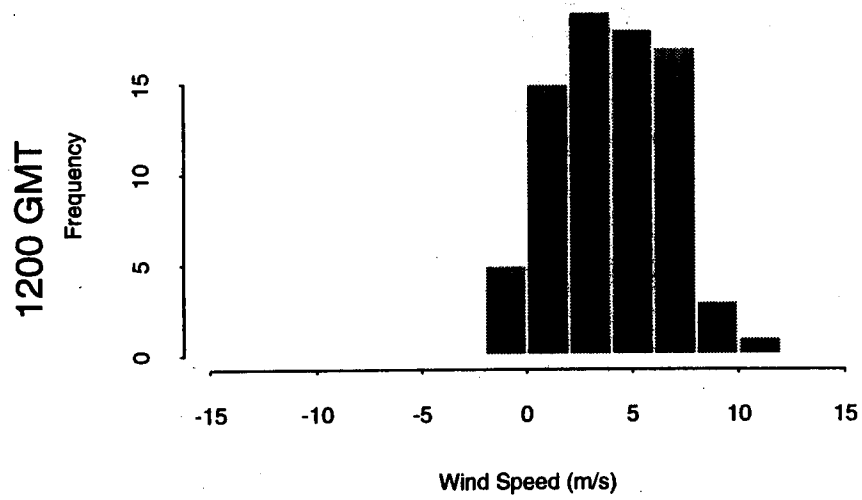


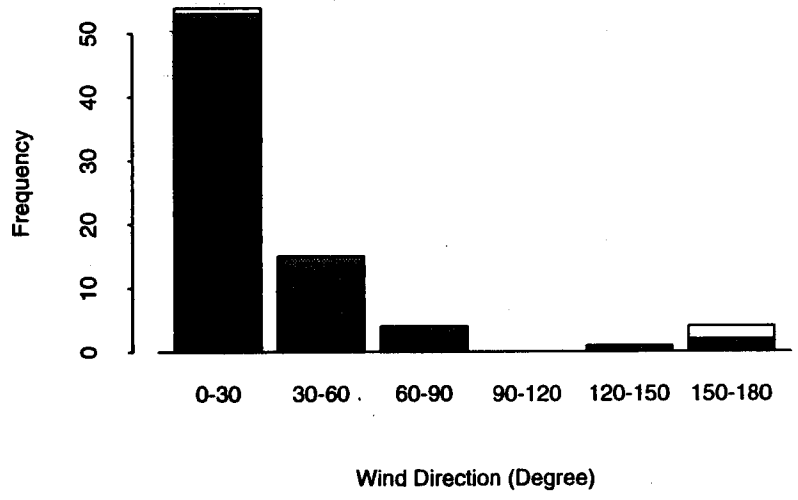
Frequency Distribution of Differences

BAR (Radar Wind Profiler) - EDWR (Radiosonde), 1000M



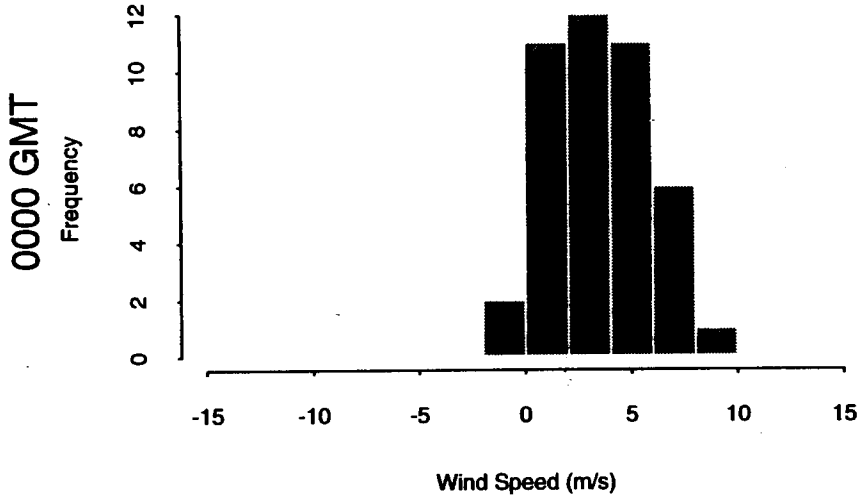


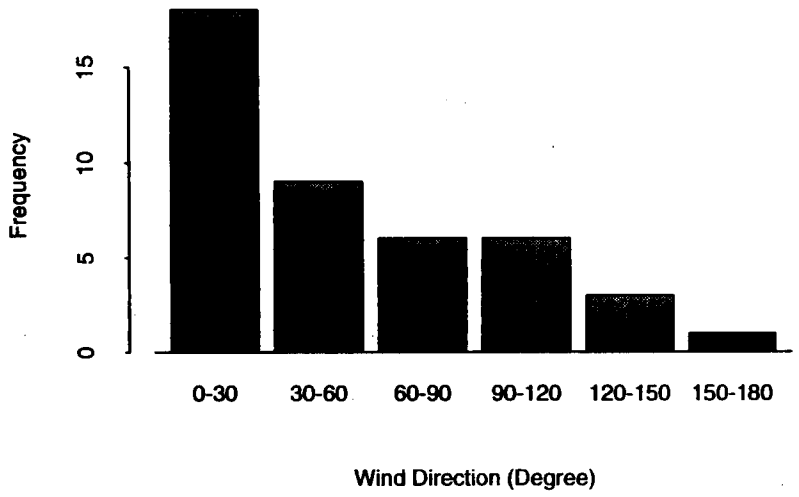


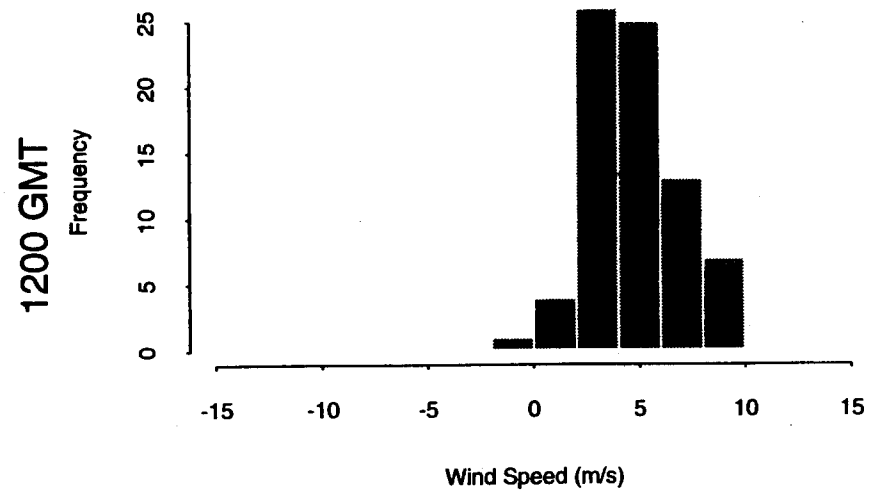


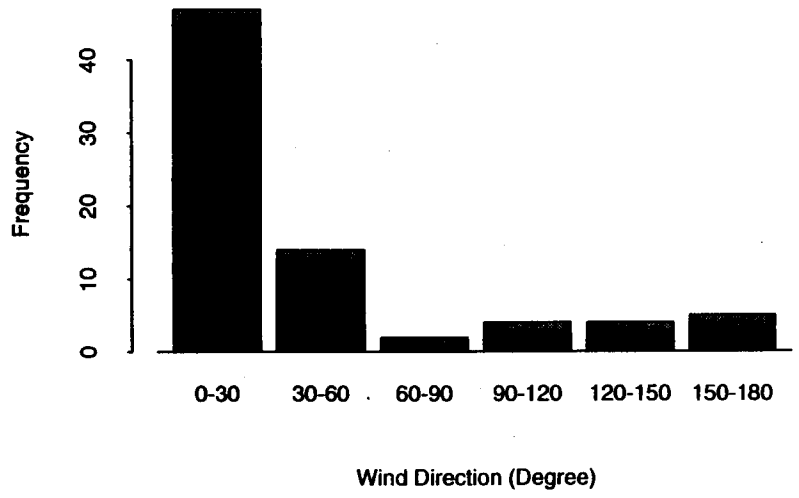
Frequency Distribution of Differences

BAR (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

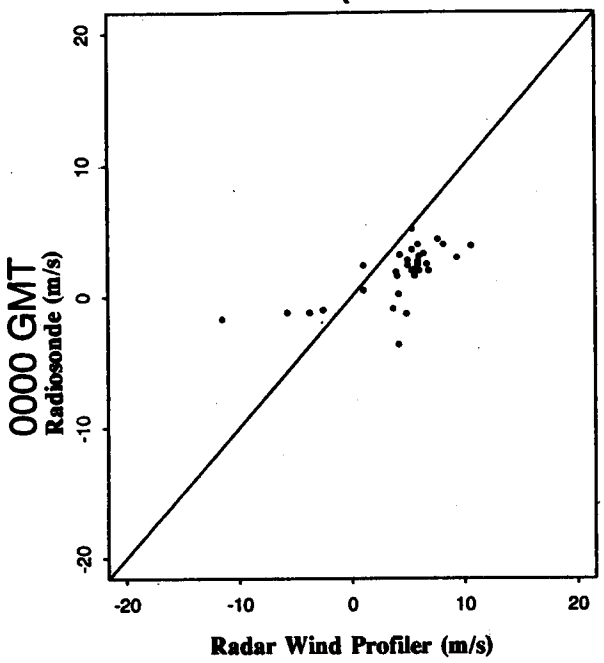




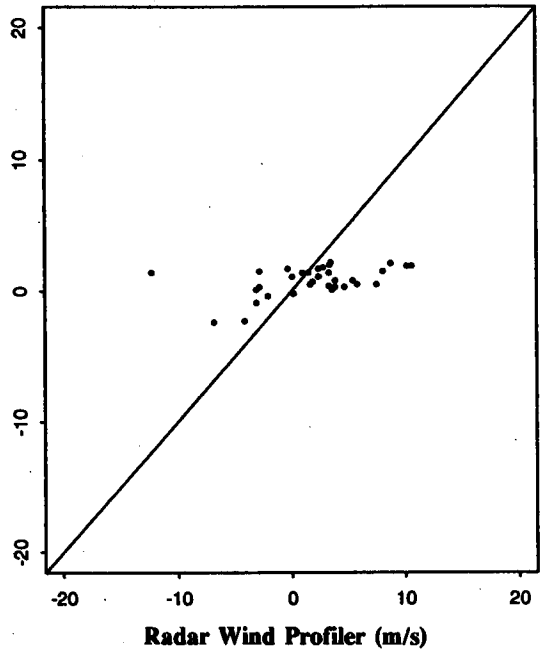




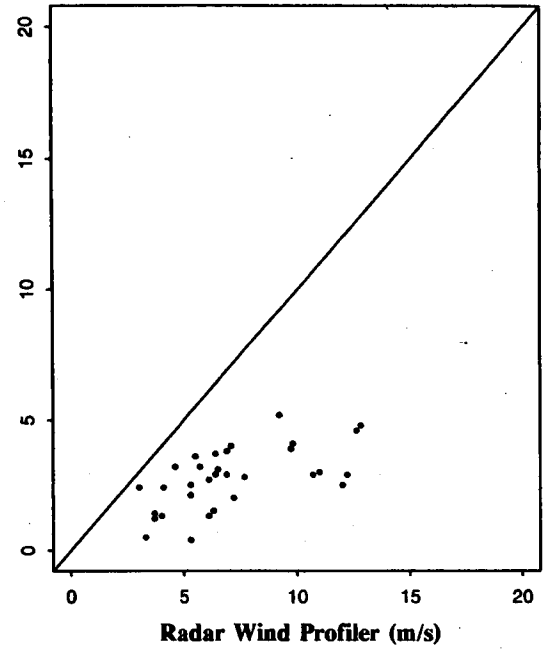
EDWR (Radiosonde) vs PAL (Radar Wind Profiler), Height=300M



U-Component (m/s)

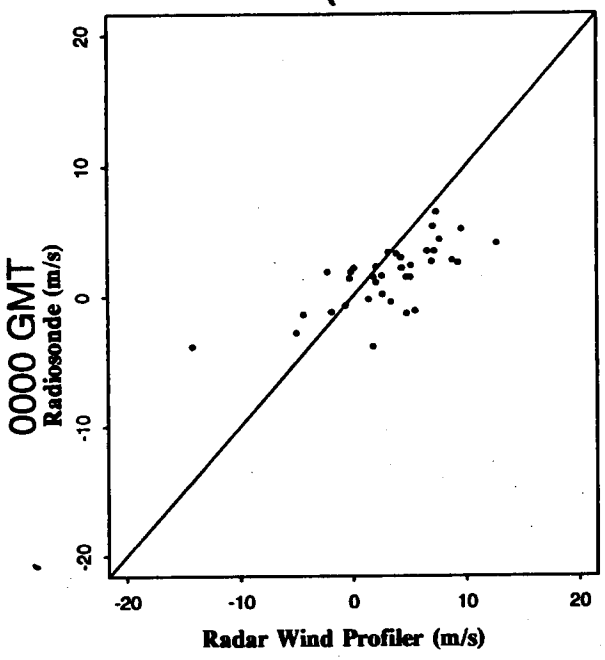


V-Component (m/s)

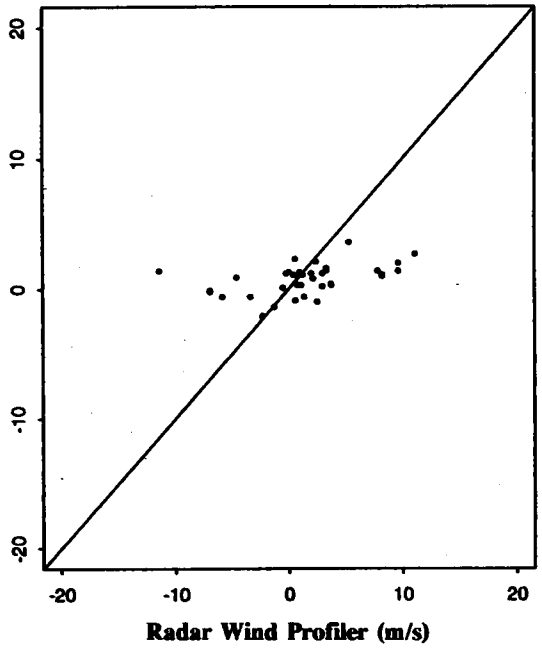


Wind Speed (m/s)

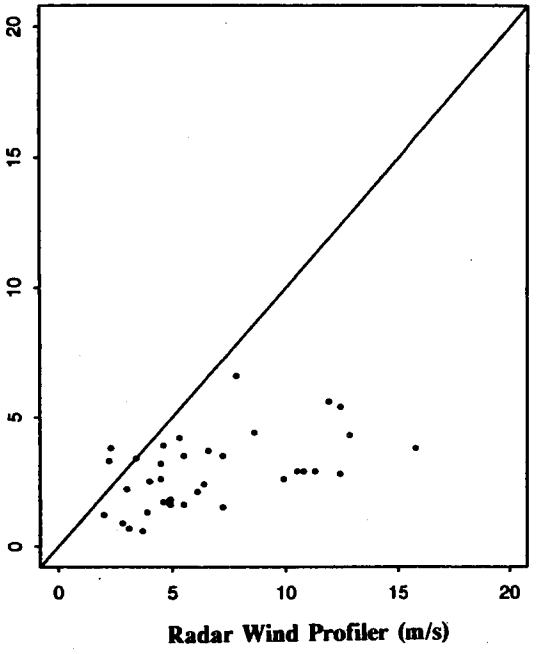
EDWR (Radiosonde) vs PAL (Radar Wind Profiler), Height=1000M



U-Component (m/s)

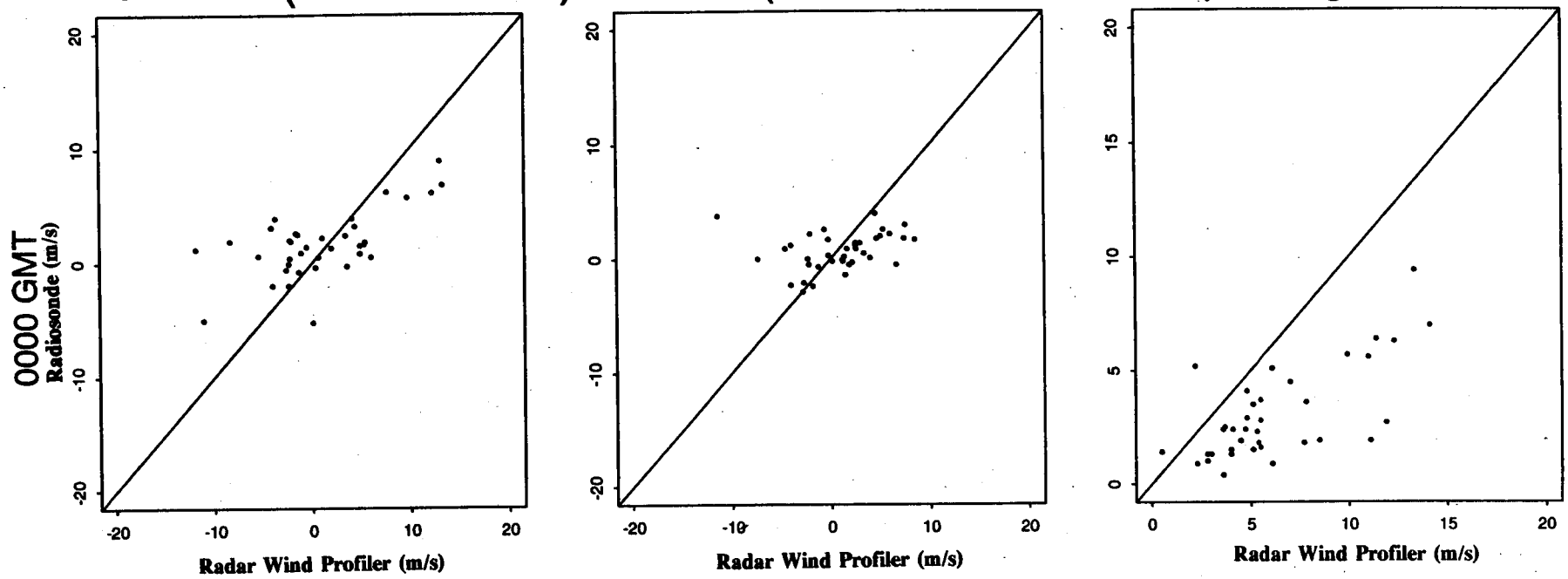


V-Component (m/s)



Wind Speed (m/s)

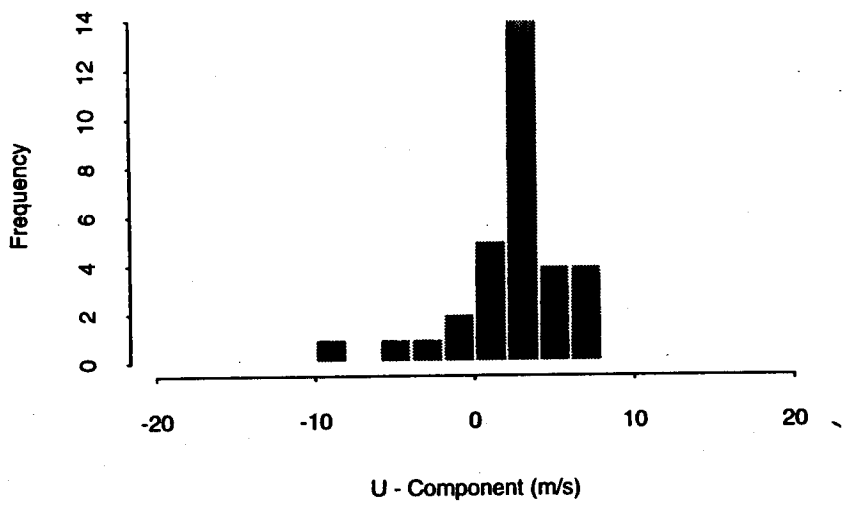
EDWR (Radiosonde) vs PAL (Radar Wind Profiler), Height=2000M

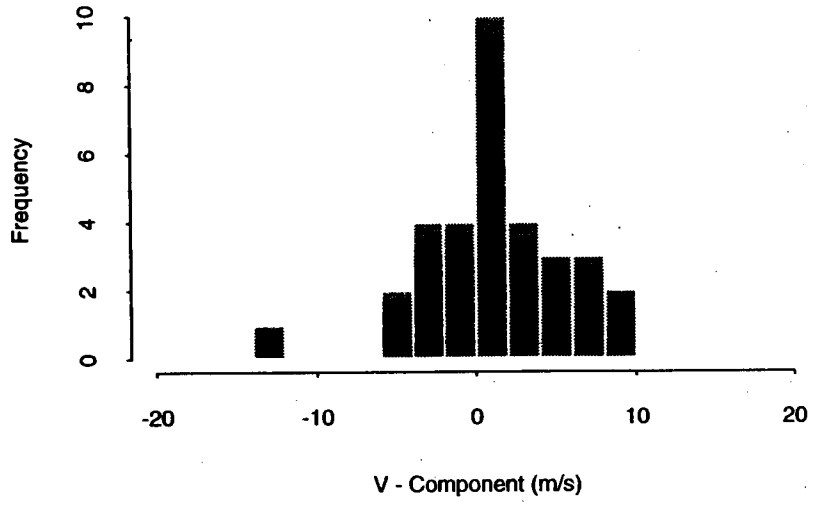


Frequency Distribution of Differences

PAL (Radar Wind Profiler) - EDWR (Radiosonde), 300M

0000 GMT



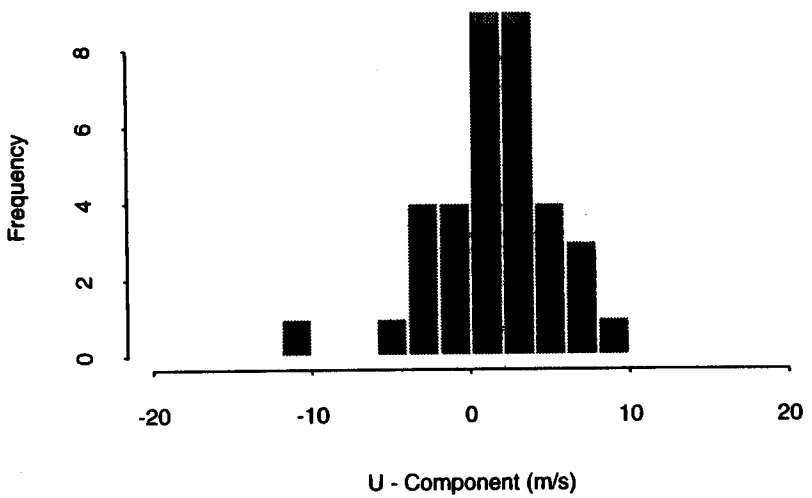


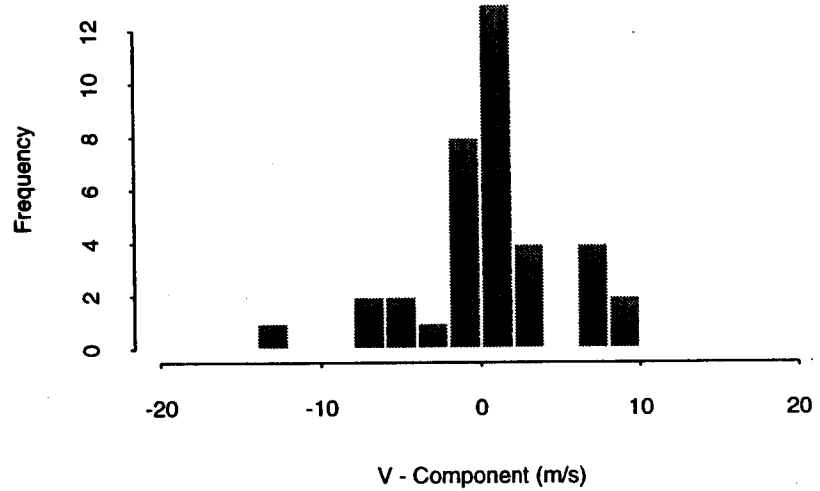
1200 GMT

Frequency Distribution of Differences

PAL (Radar Wind Profiler) - EDWR (Radiosonde), 1000M

0000 GMT



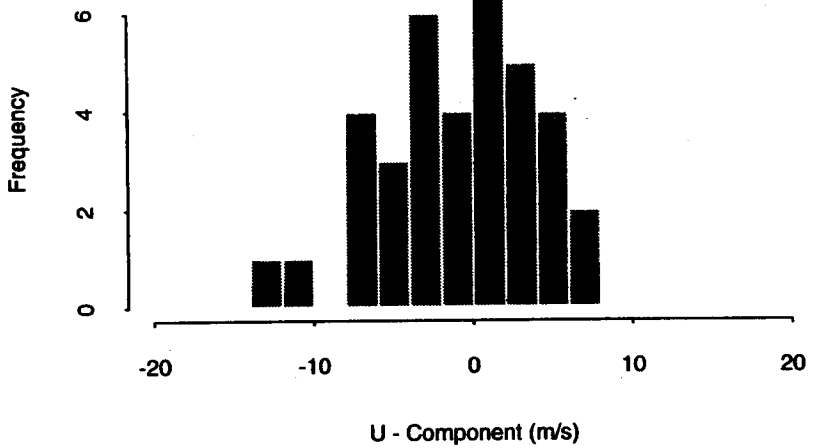


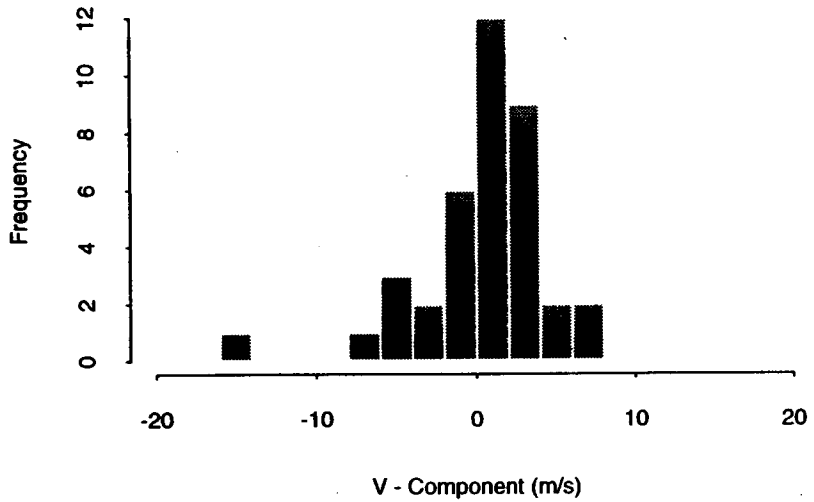
1200 GMT

Frequency Distribution of Differences

PAL (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

0000 GMT



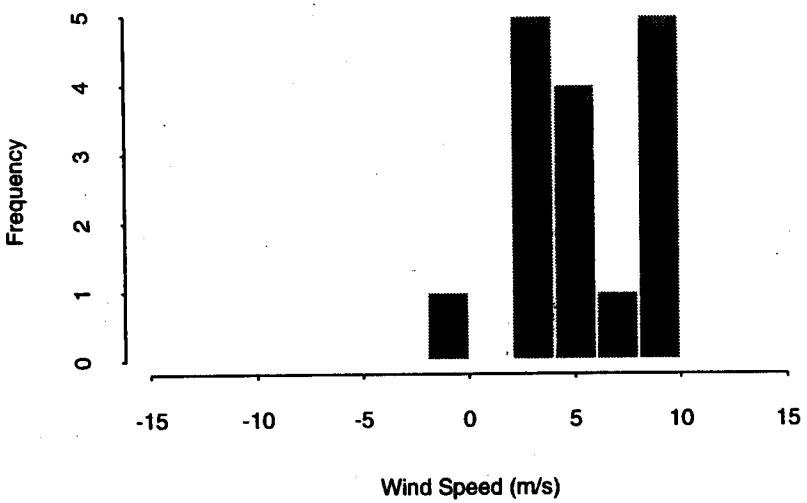


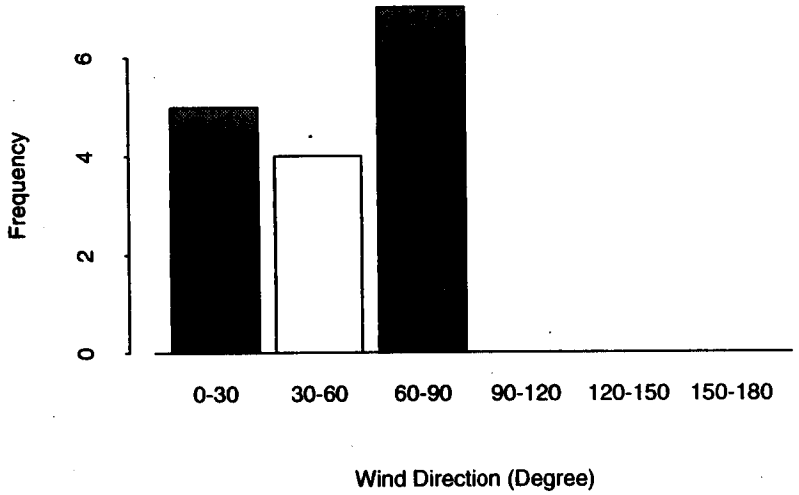
1200 GMT

Frequency Distribution of Differences

PAL (Radar Wind Profiler) - EDWR (Radiosonde), 300M

0000 GMT



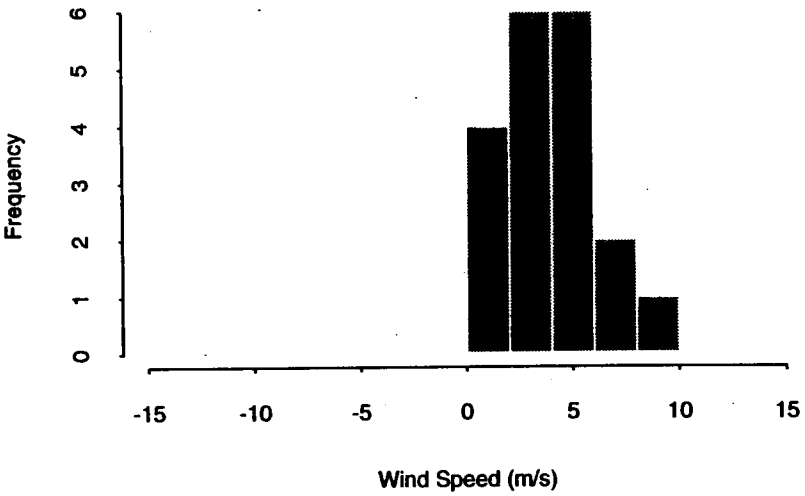


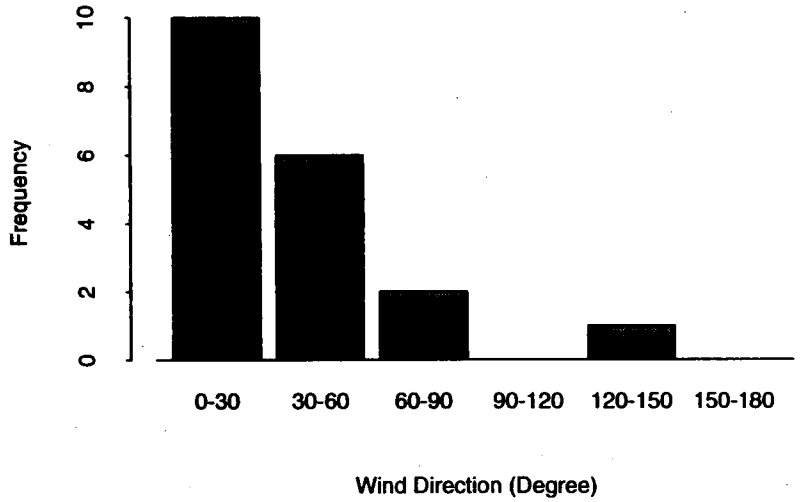
1200 GMT

Frequency Distribution of Differences

PAL (Radar Wind Profiler) - EDWR (Radiosonde), 1000M

0000 GMT



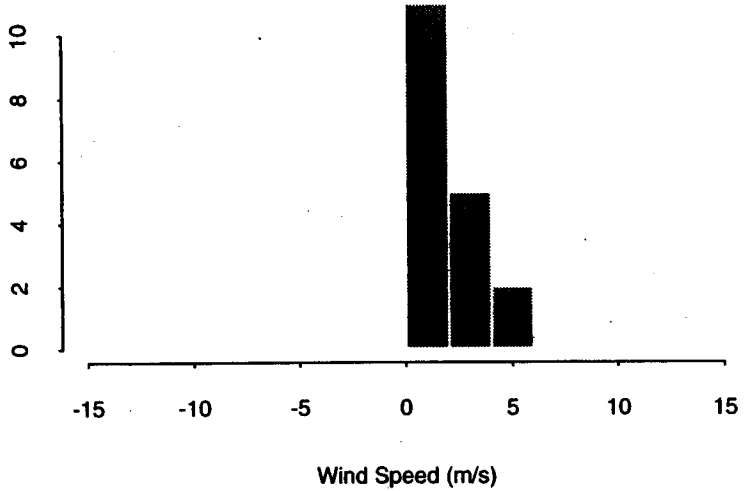


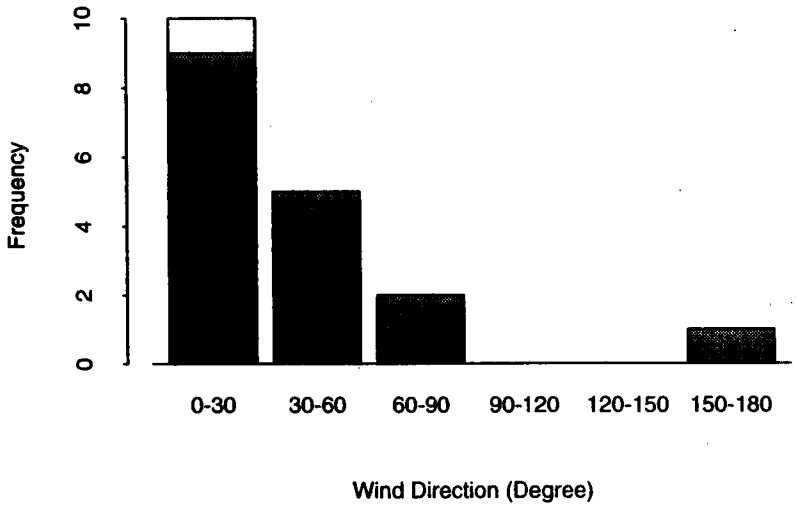
1200 GMT

Frequency Distribution of Differences

PAL (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

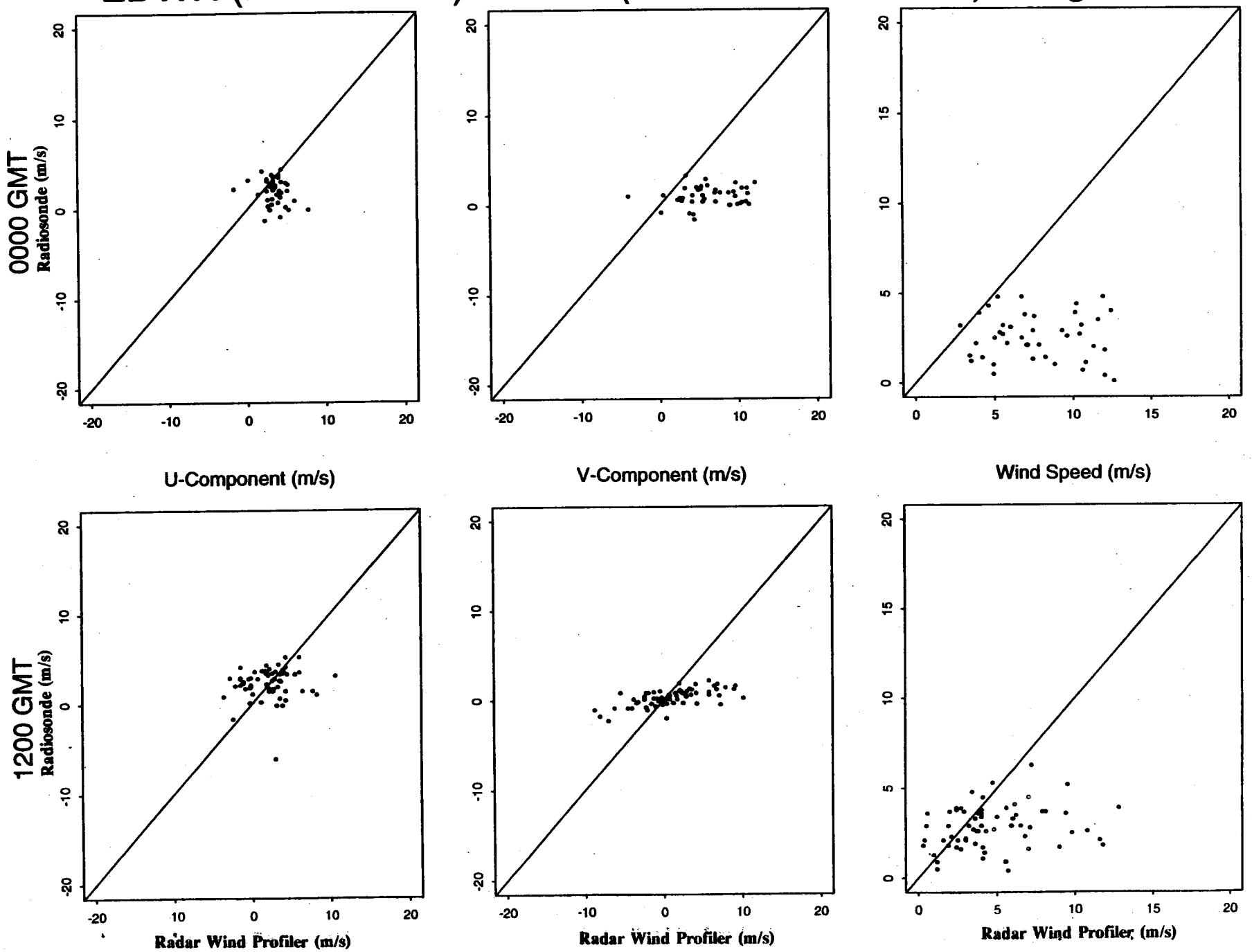
0000 GMT



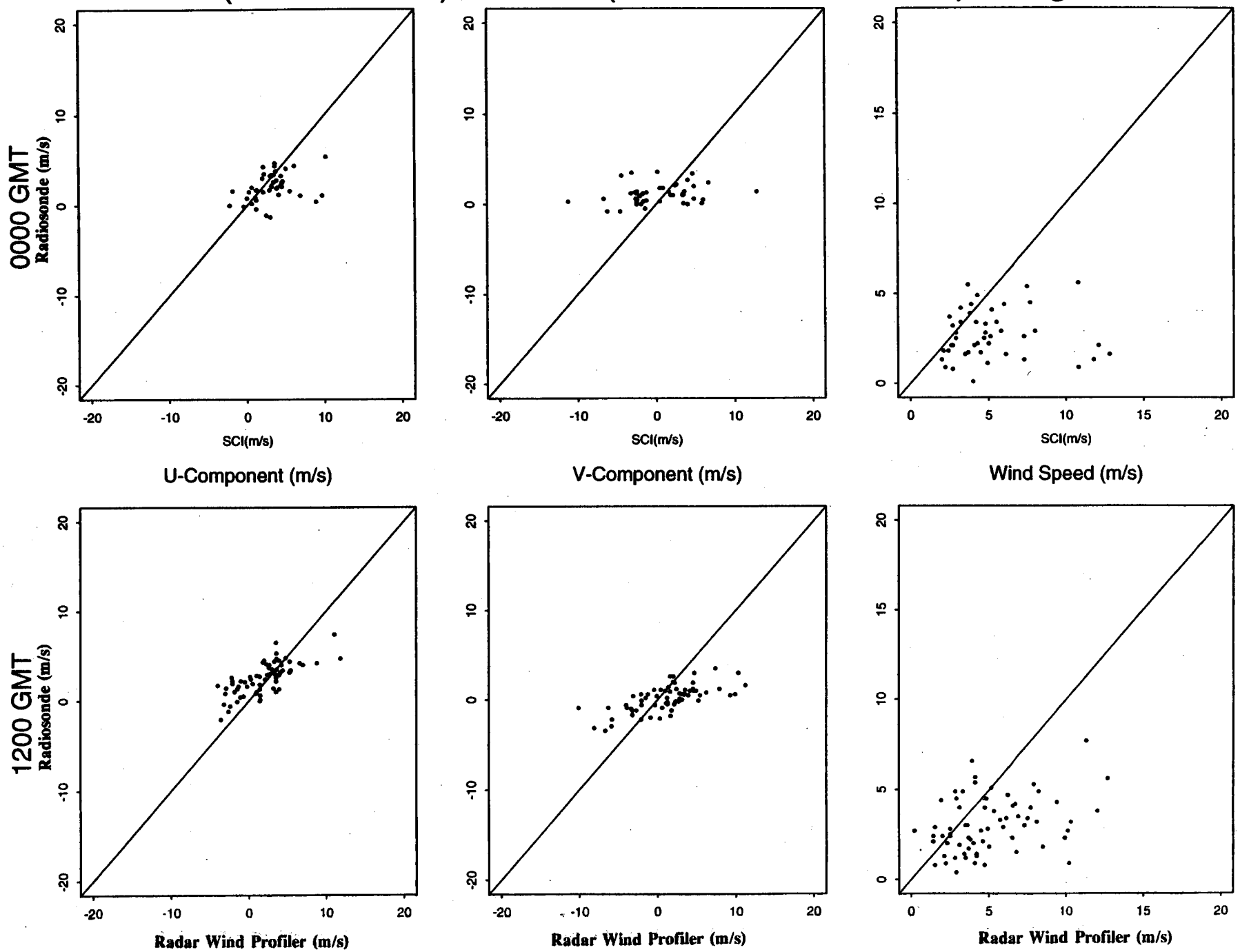


1200 GMT

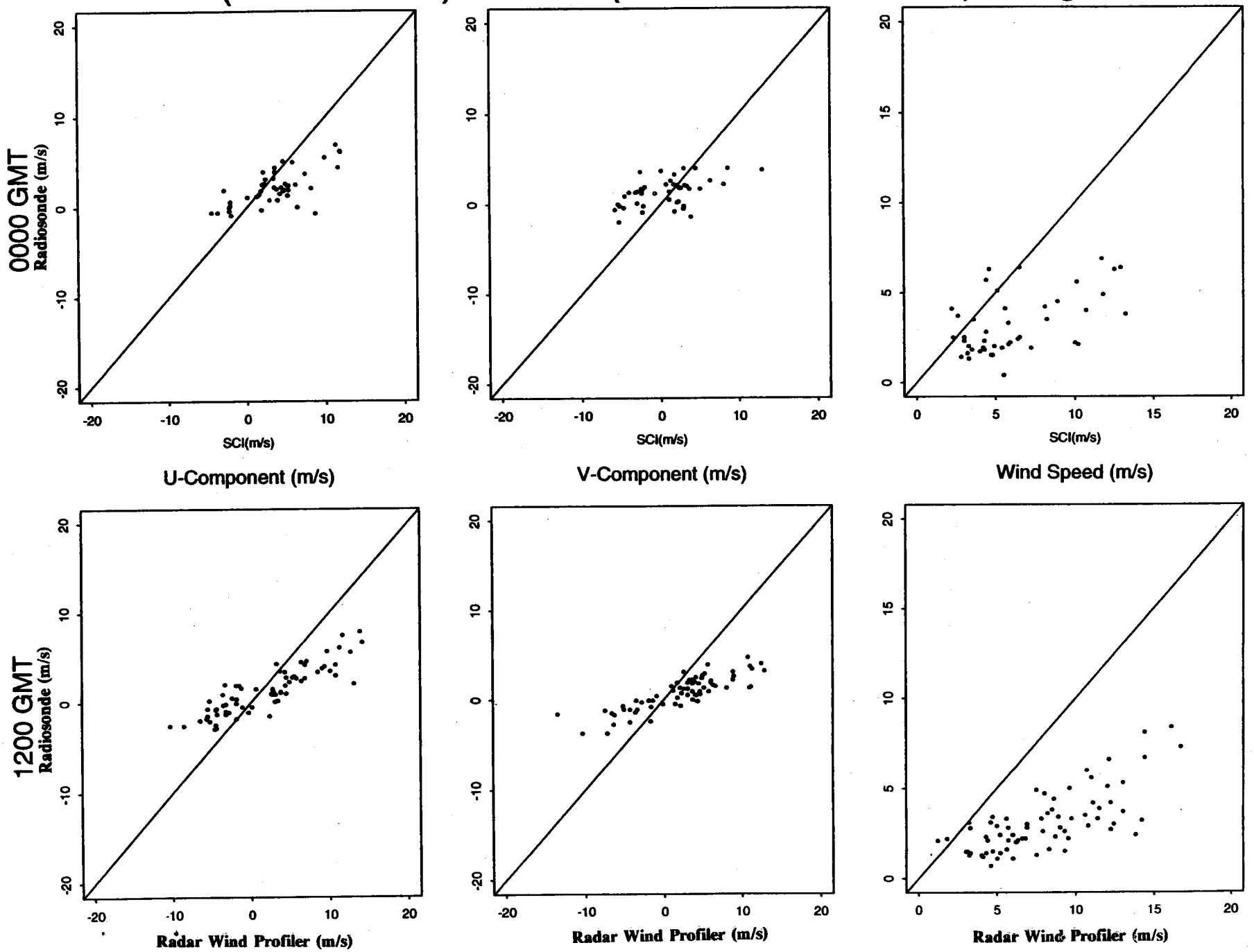
EDWR (Radiosonde) vs HES (Radar Wind Profiler), Height=300M



EDWR (Radiosonde) vs HES (Radar Wind Profiler), Height=1000M

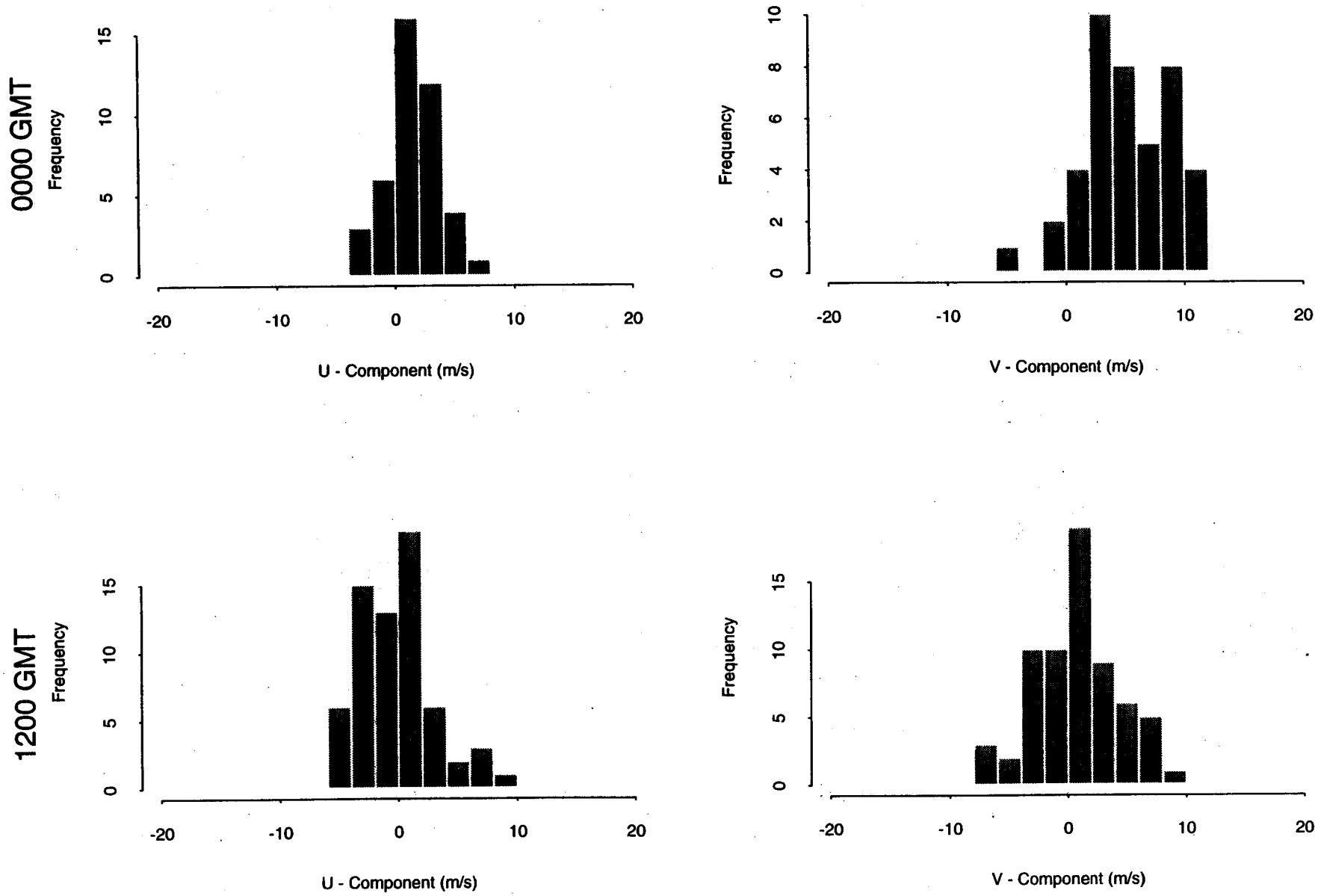


EDWR (Radiosonde) vs HES (Radar Wind Profiler), Height=2000M



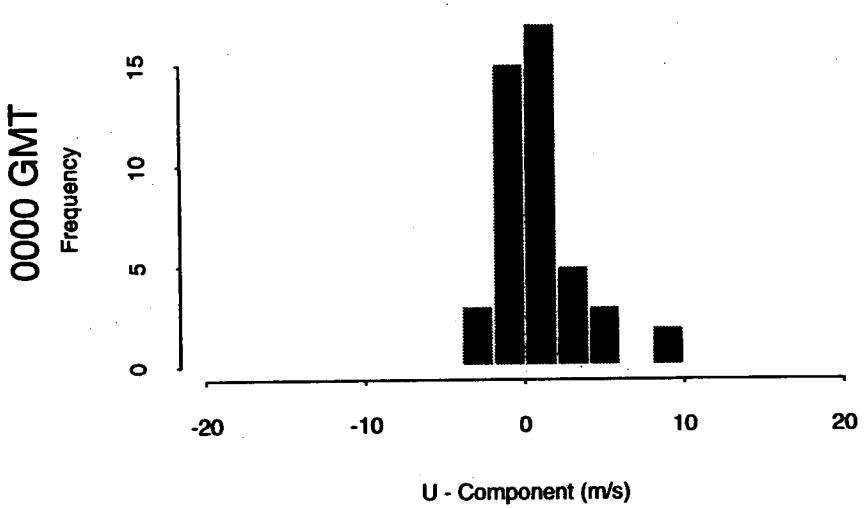
Frequency Distribution of Differences

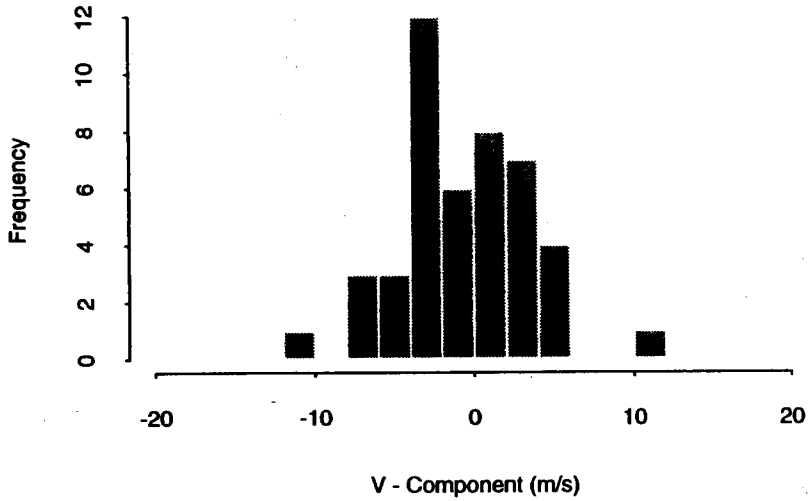
HES (Radar Wind Profiler) - EDWR (Radiosonde), 300M

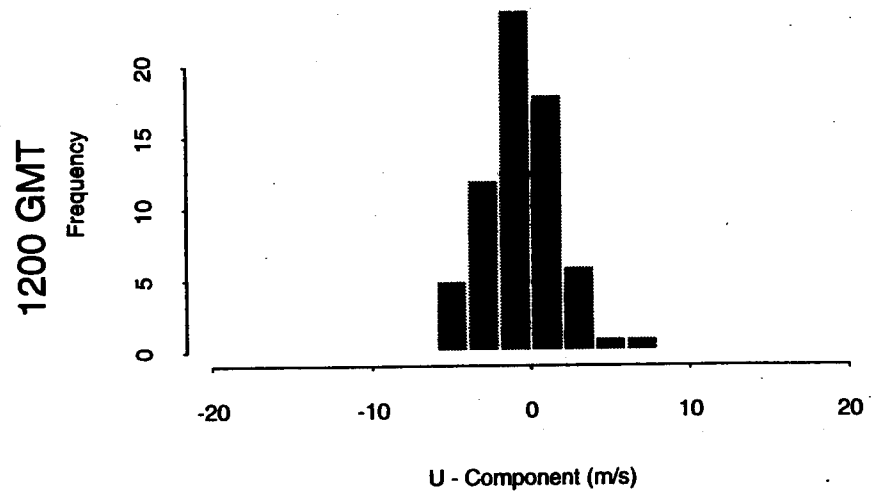


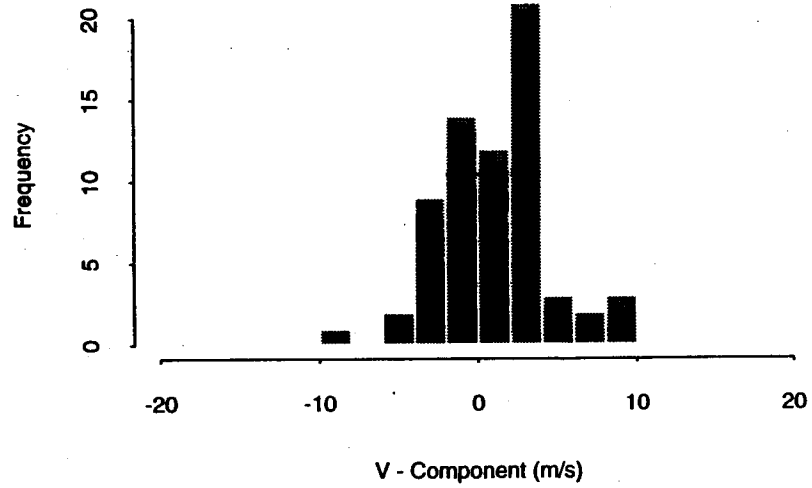
Frequency Distribution of Differences

HES (Radar Wind Profiler) - EDWR (Radiosonde), 1000M





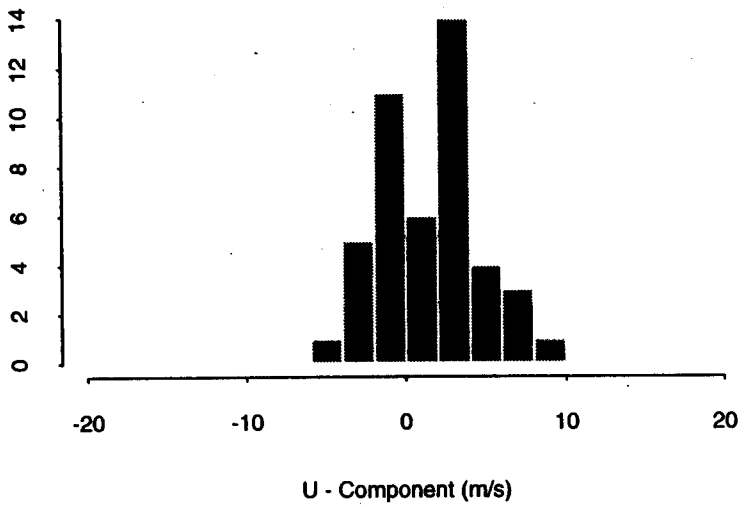


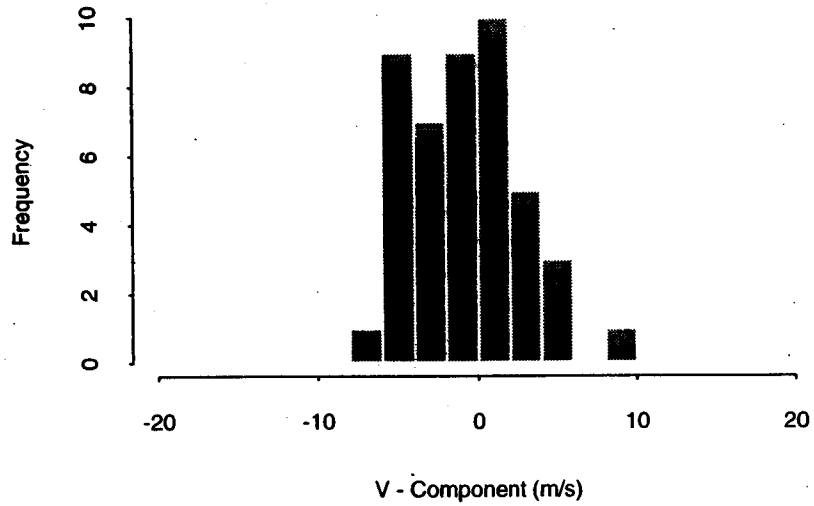


Frequency Distribution of Differences

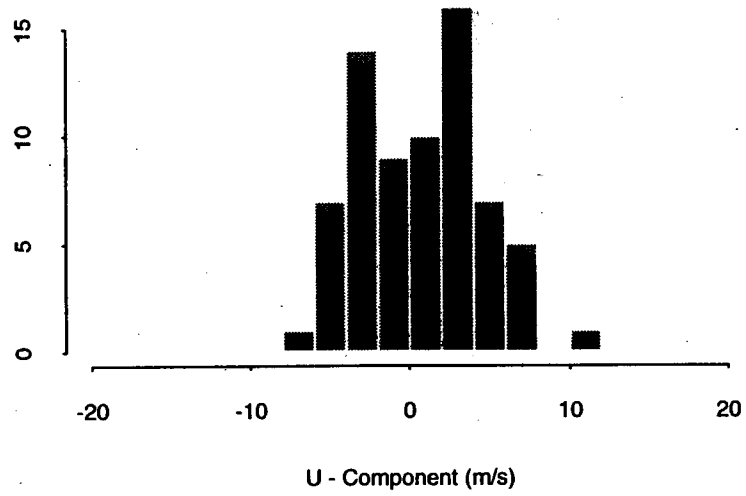
HES (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

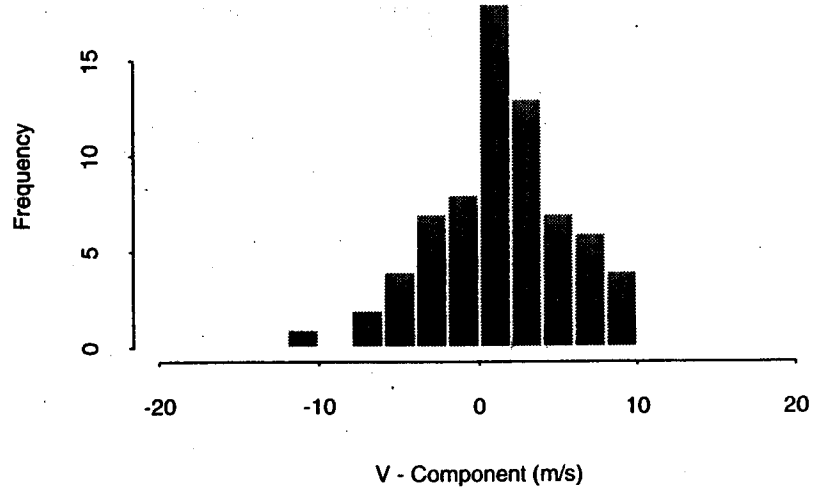
0000 GMT





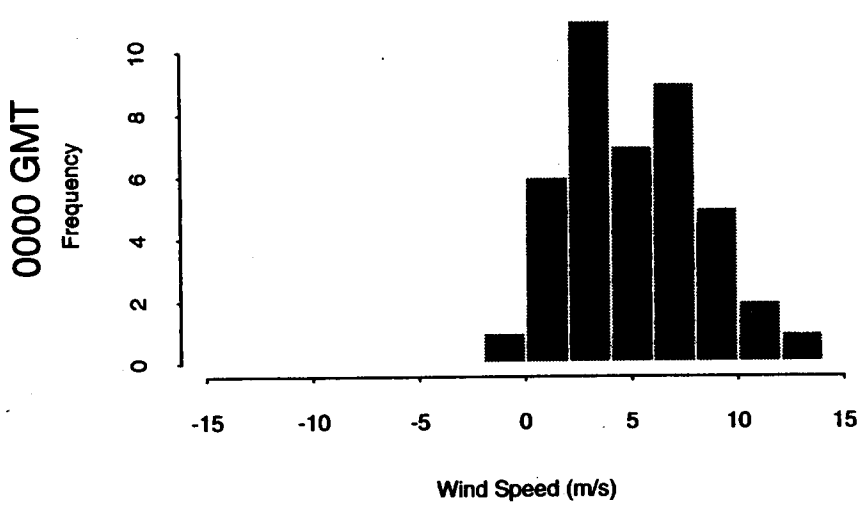
1200 GMT

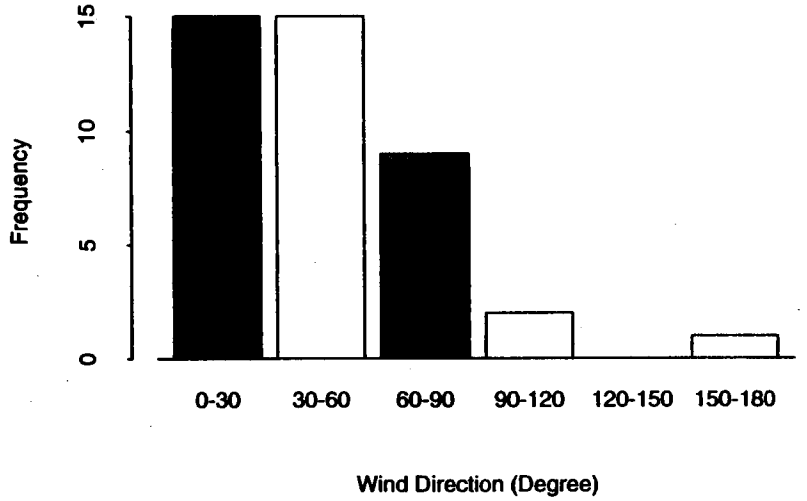


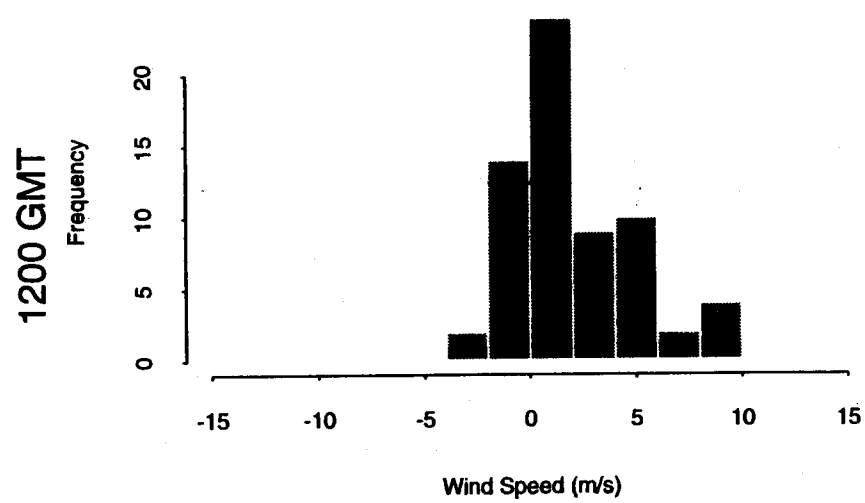


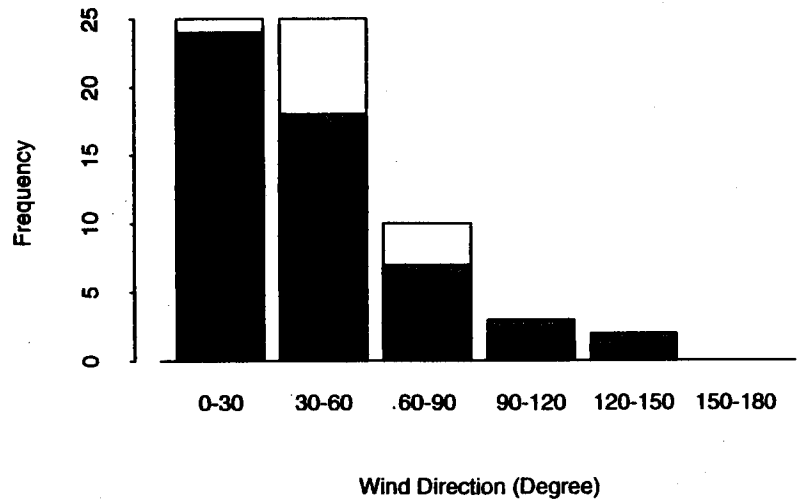
Frequency Distribution of Differences

HES (Radar Wind Profiler) - EDWR (Radiosonde), 300M



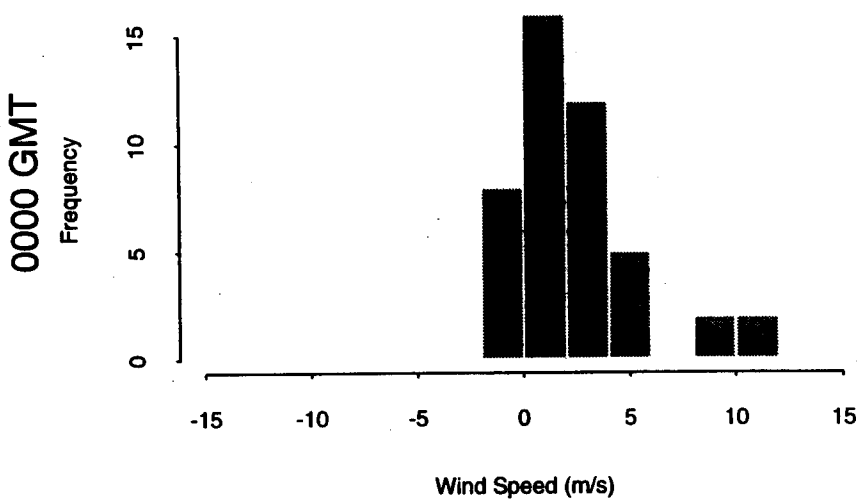


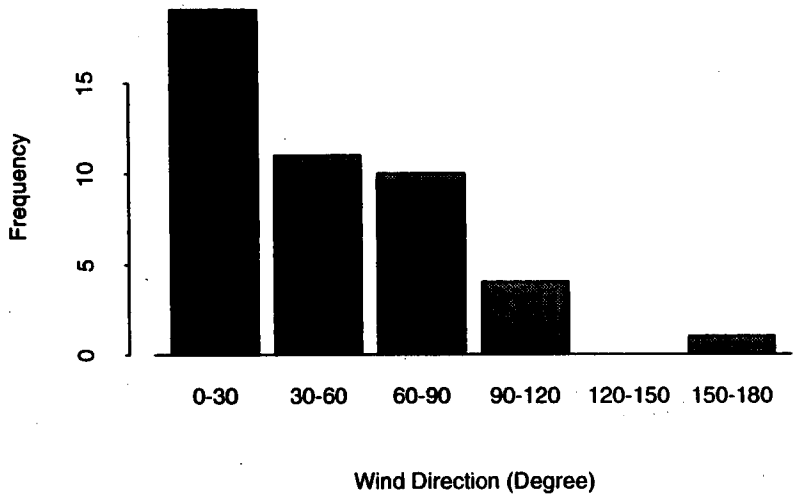


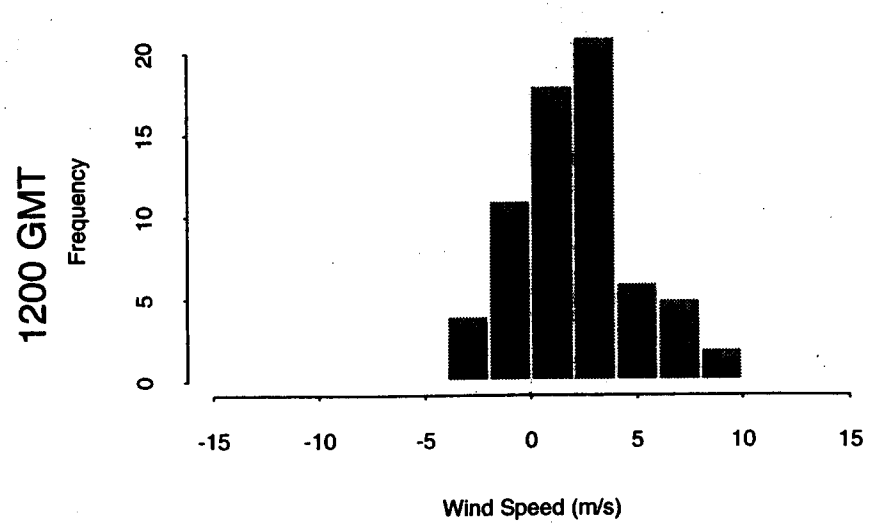


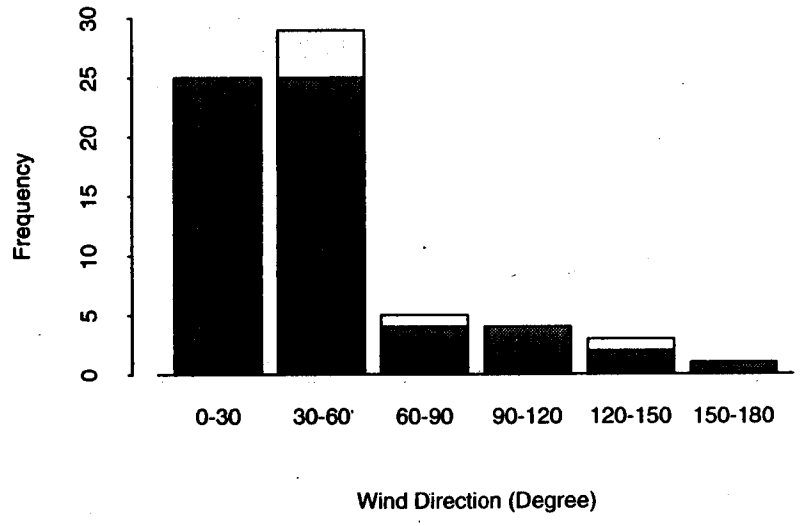
Frequency Distribution of Differences

HES (Radar Wind Profiler) - EDWR (Radiosonde), 1000M



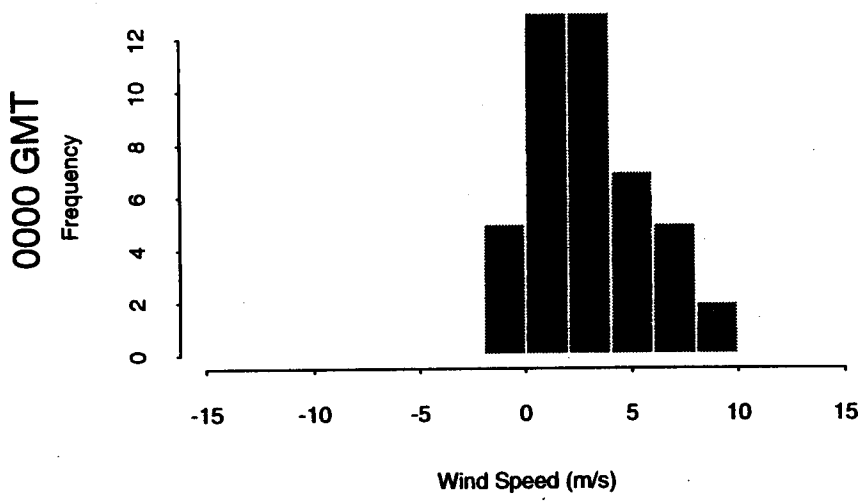


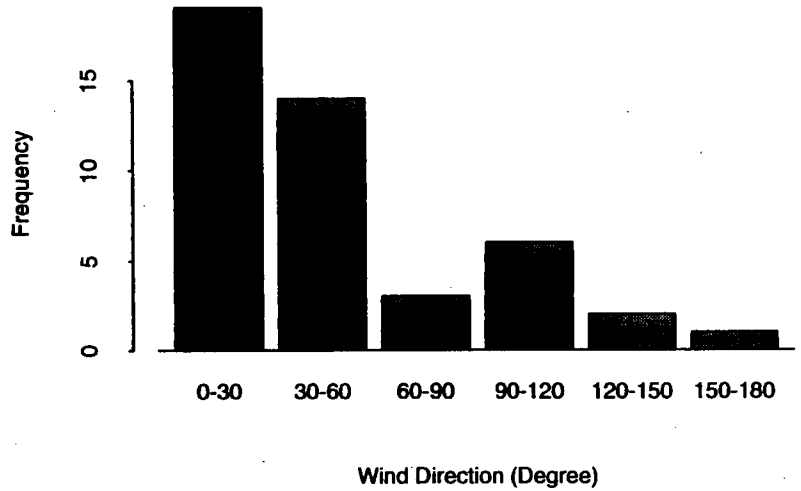


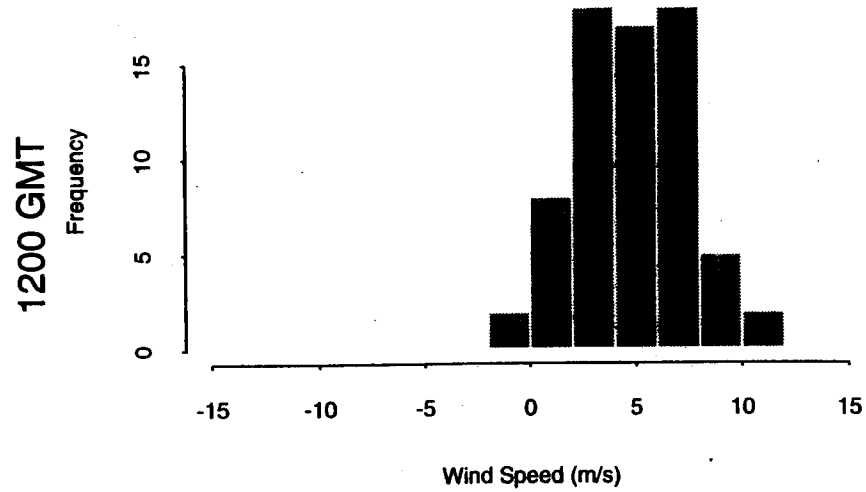


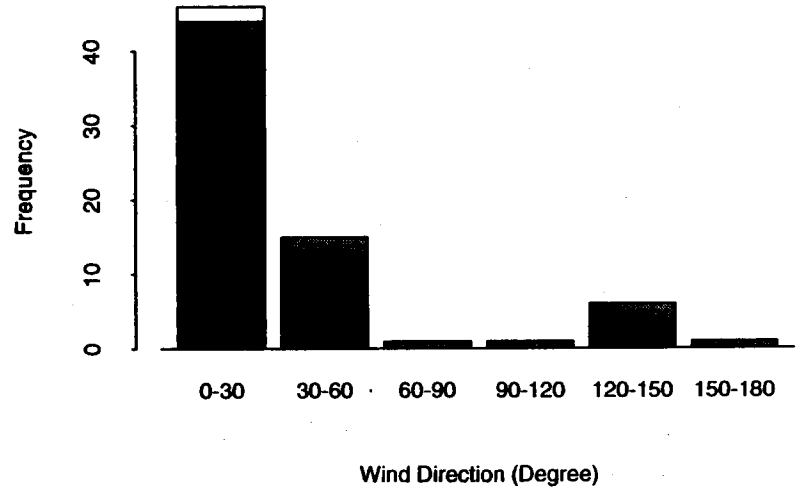
Frequency Distribution of Differences

HES (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

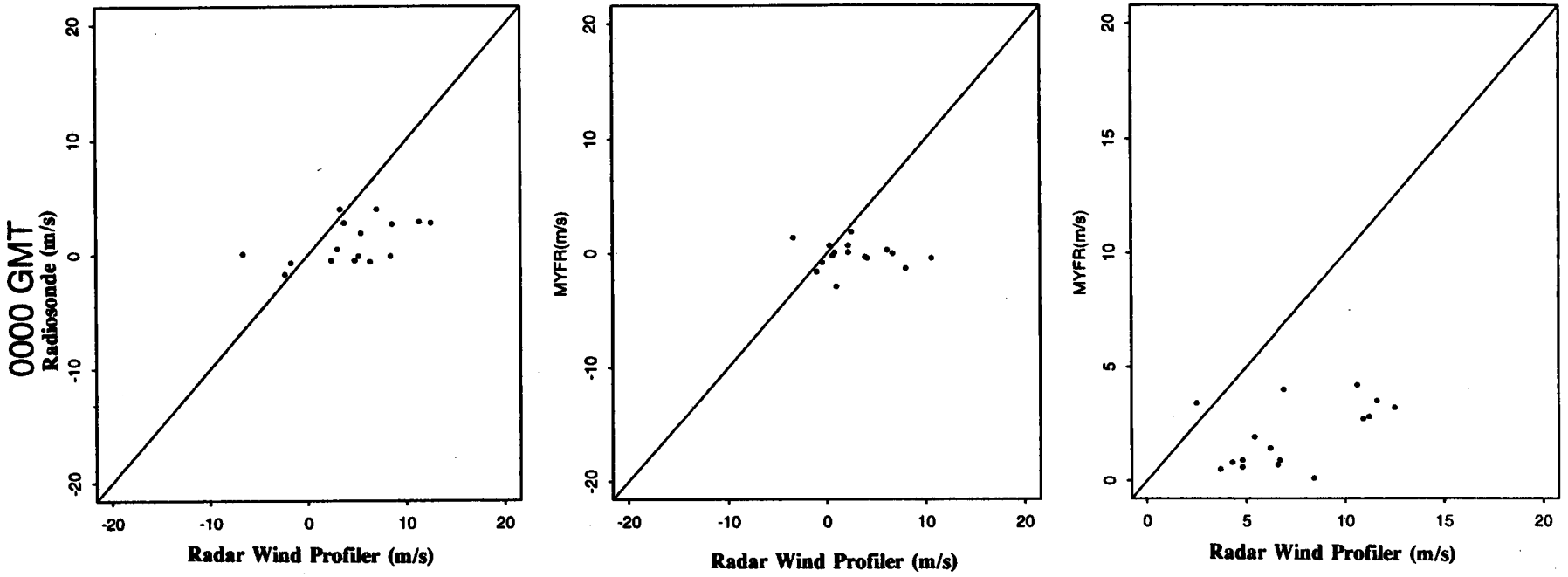








EDWR (Radiosonde) vs BAN (Radar Wind Profiler), Height=300M

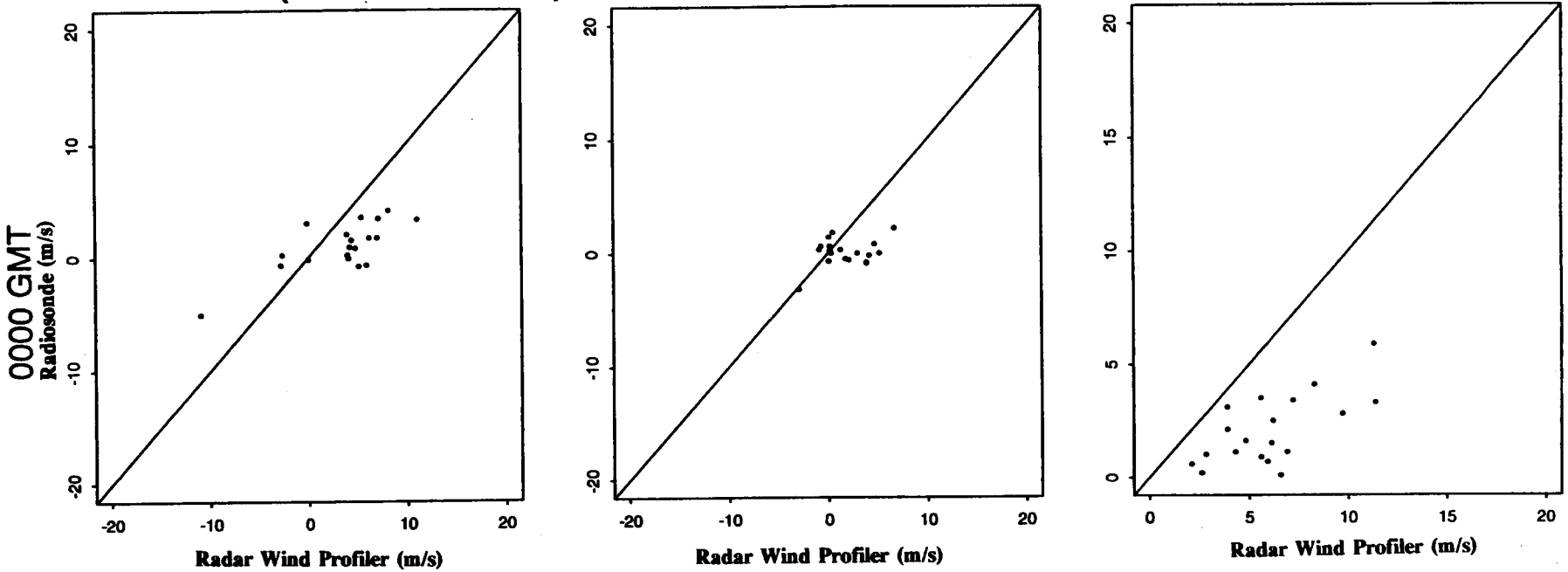


U-Component (m/s)

V-Component (m/s)

Wind Speed (m/s)

EDWR (Radiosonde) vs BAN (Radar Wind Profiler), Height=1000M

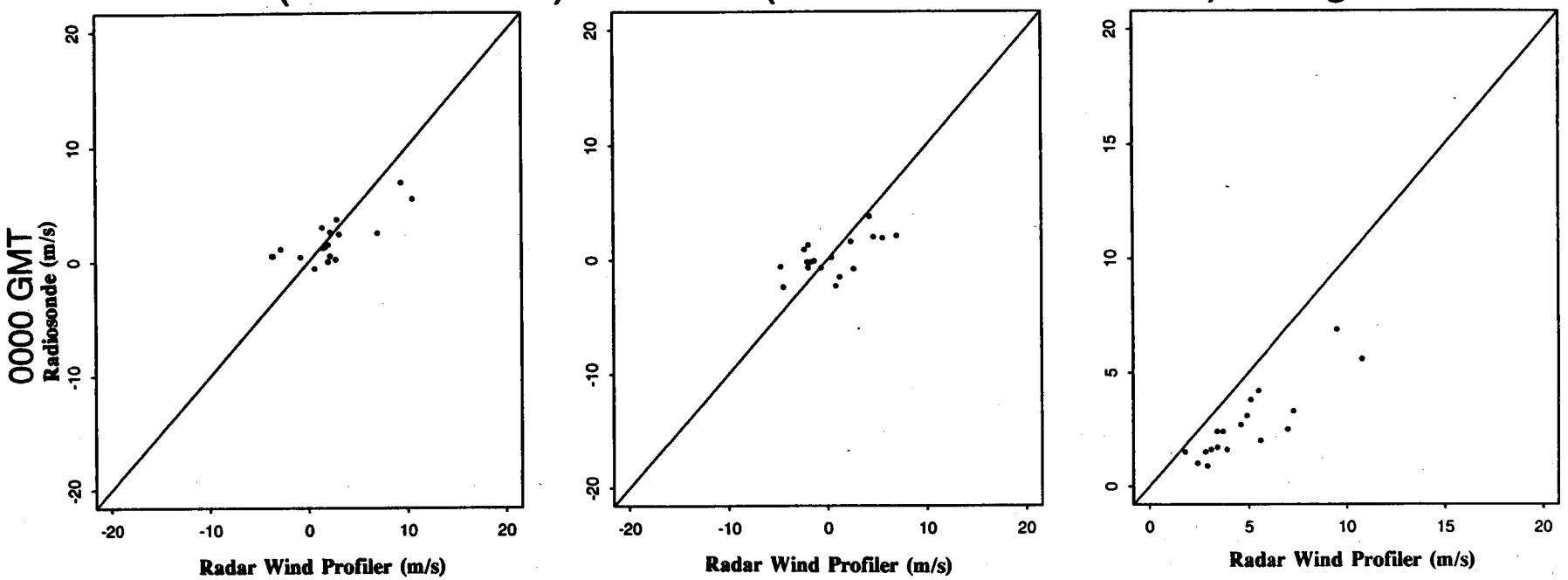


U-Component (m/s)

V-Component (m/s)

Wind Speed (m/s)

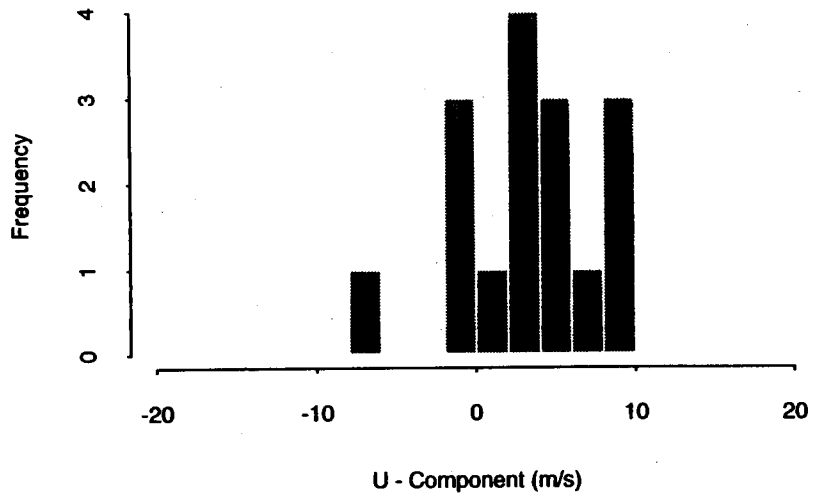
EDWR (Radiosonde) vs BAN (Radar Wind Profiler), Height=2000M

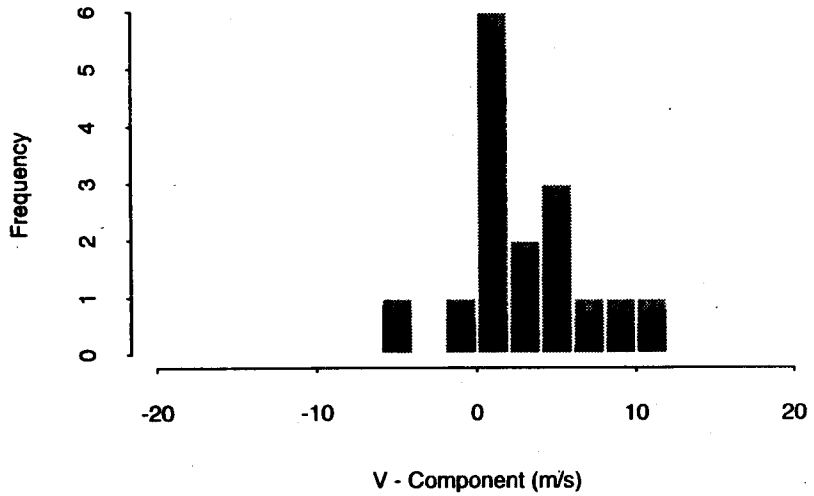


Frequency Distribution of Differences

BAN (Radar Wind Profiler) - EDWR (Radiosonde), 300M

0000 GMT



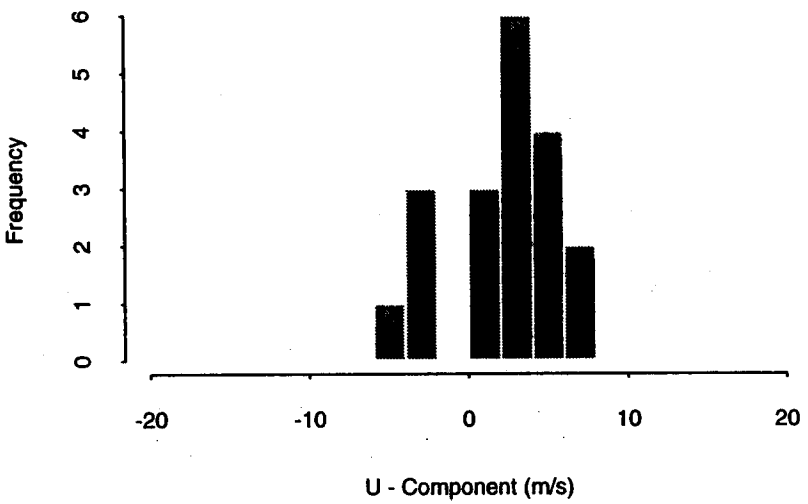


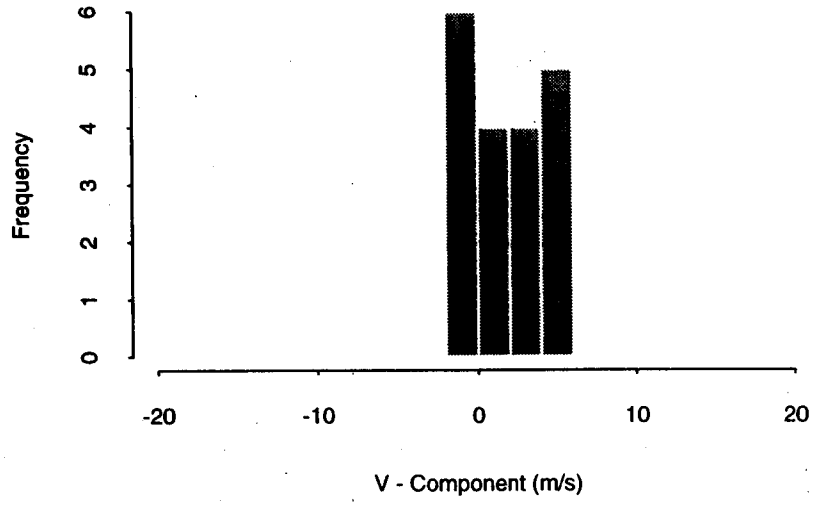
1200 GMT

Frequency Distribution of Differences

BAN (Radar Wind Profiler) - EDWR (Radiosonde), 1000M

0000 GMT



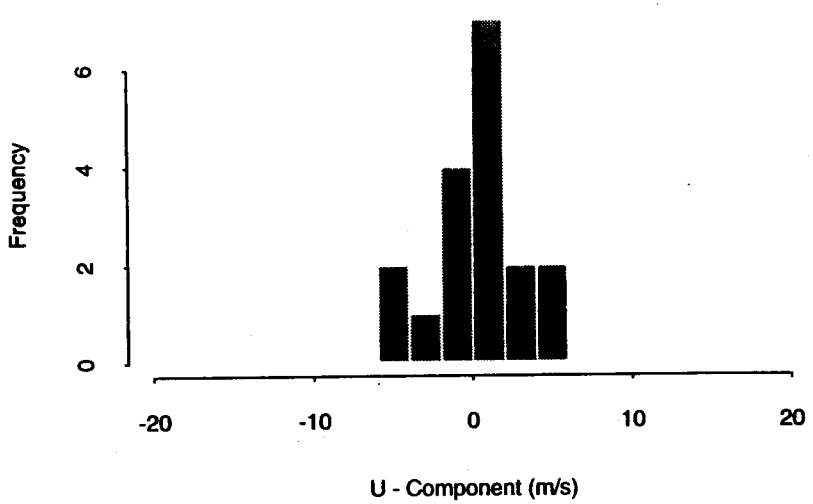


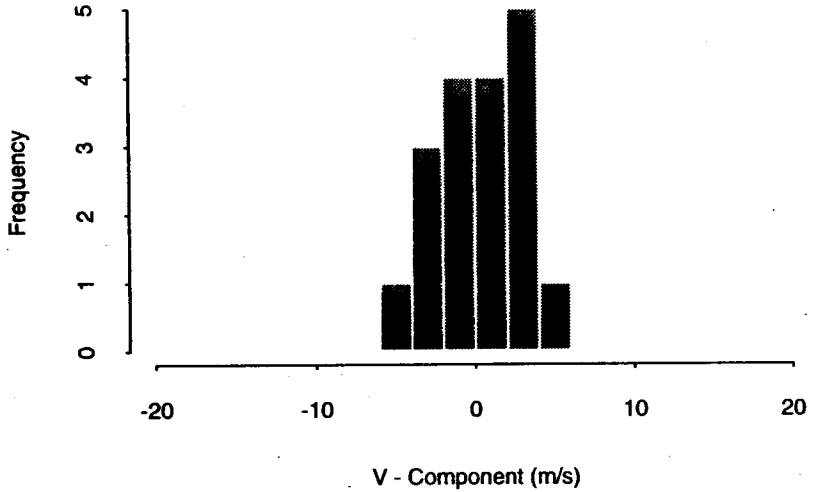
1200 GMT

Frequency Distribution of Differences

BAN (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

0000 GMT



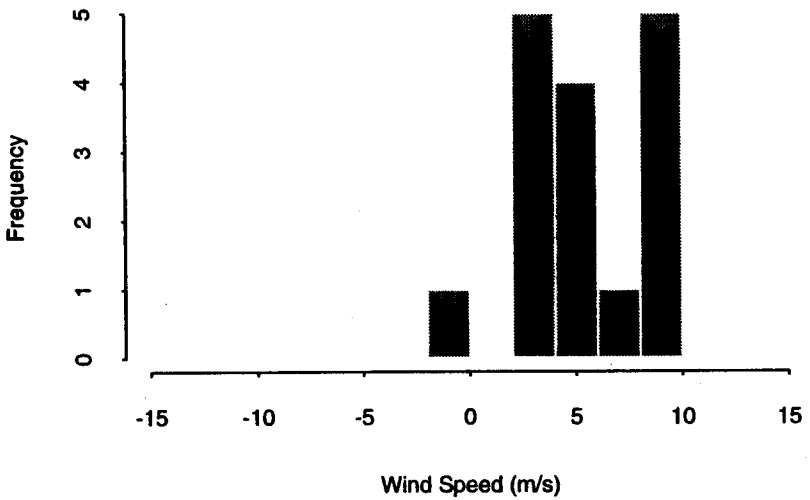


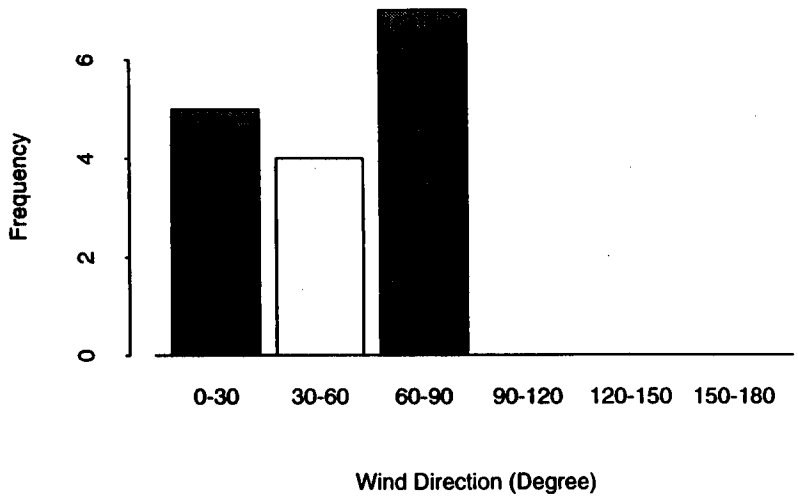
1200 GMT

Frequency Distribution of Differences

BAN (Radar Wind Profiler) - EDWR (Radiosonde), 300M

0000 GMT



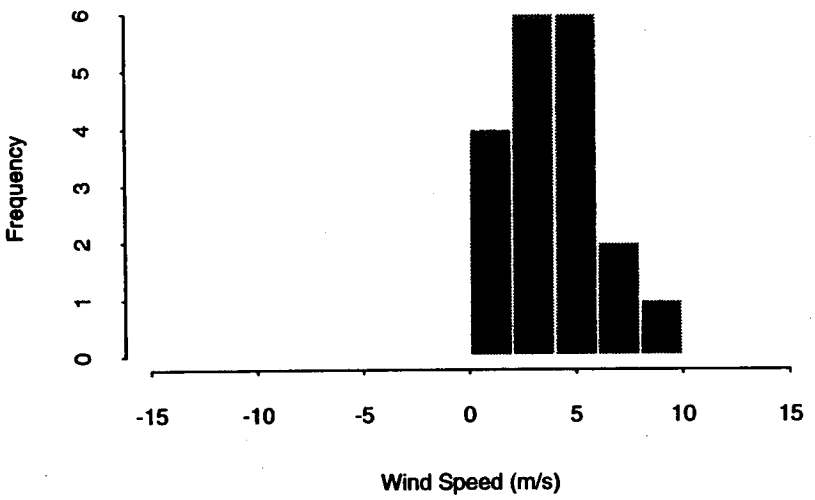


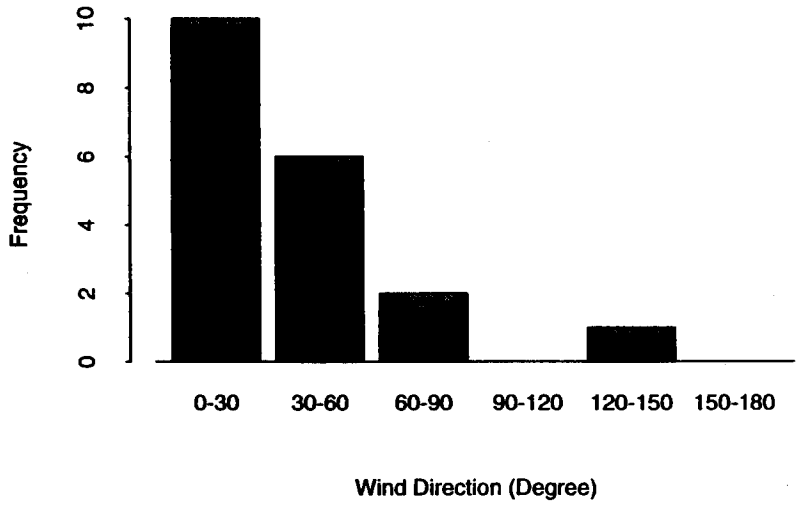
1200 GMT

Frequency Distribution of Differences

BAN (Radar Wind Profiler) - EDWR (Radiosonde), 1000M

0000 GMT



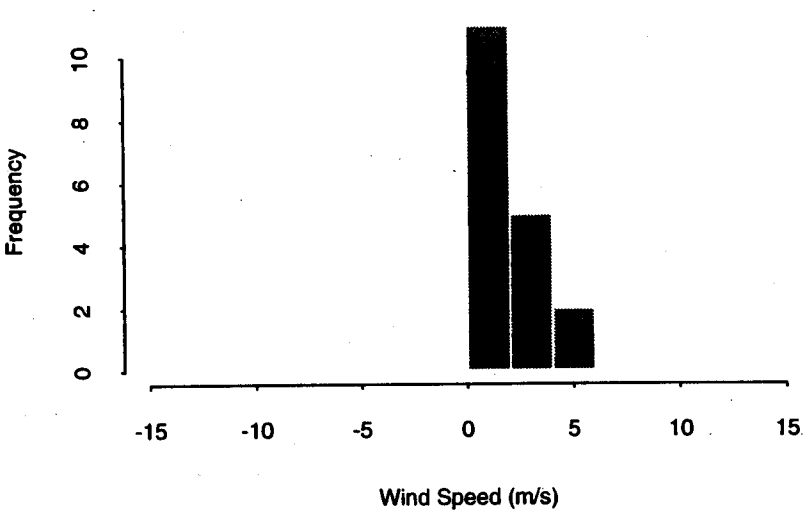


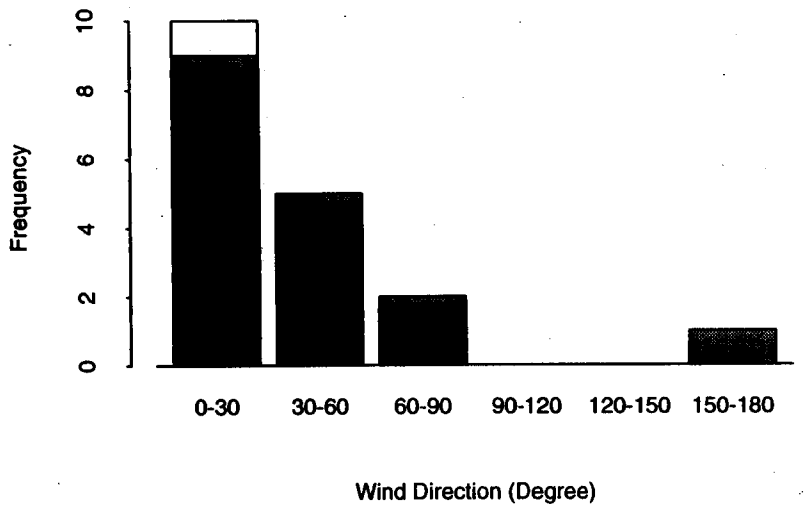
1200 GMT

Frequency Distribution of Differences

BAN (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

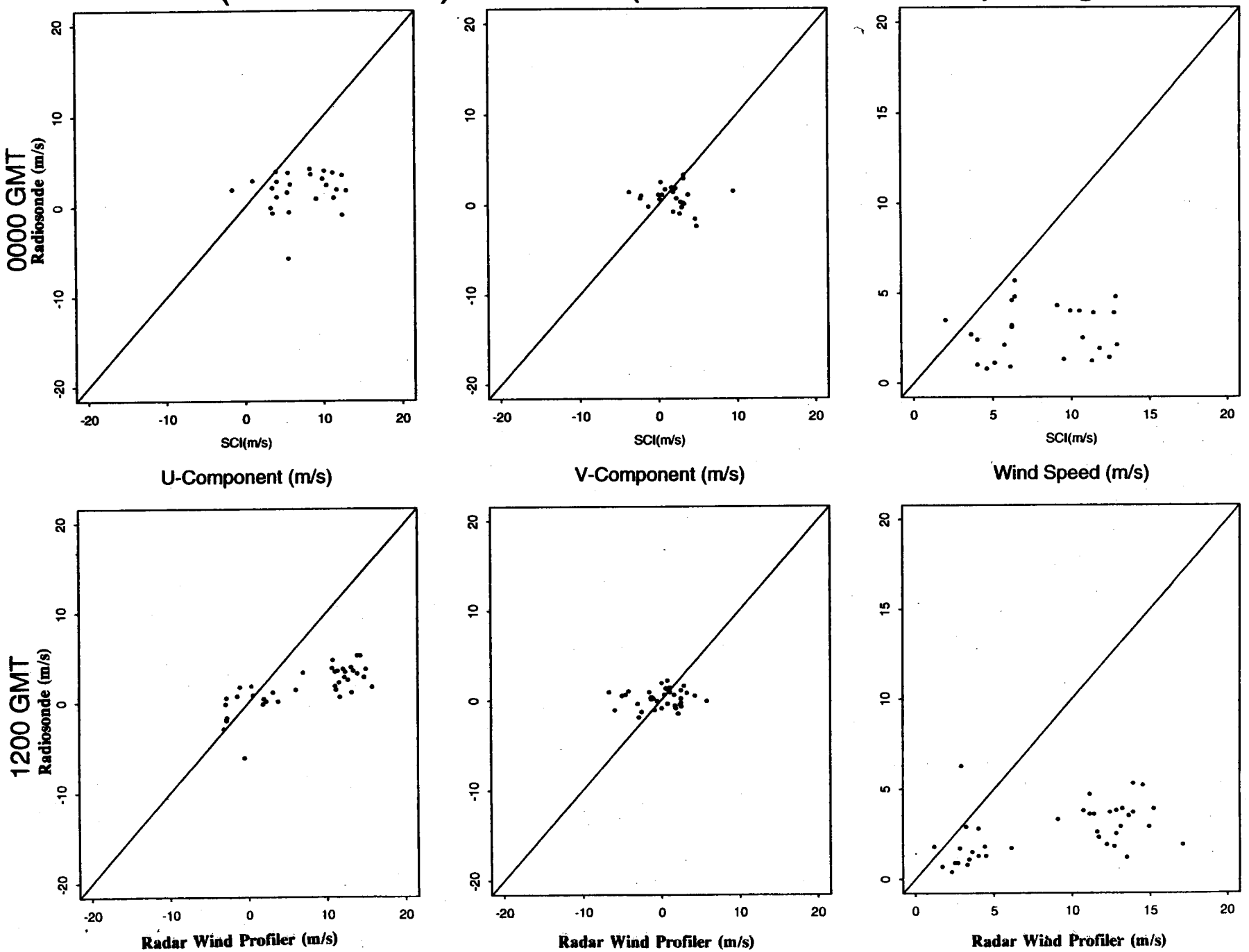
0000 GMT



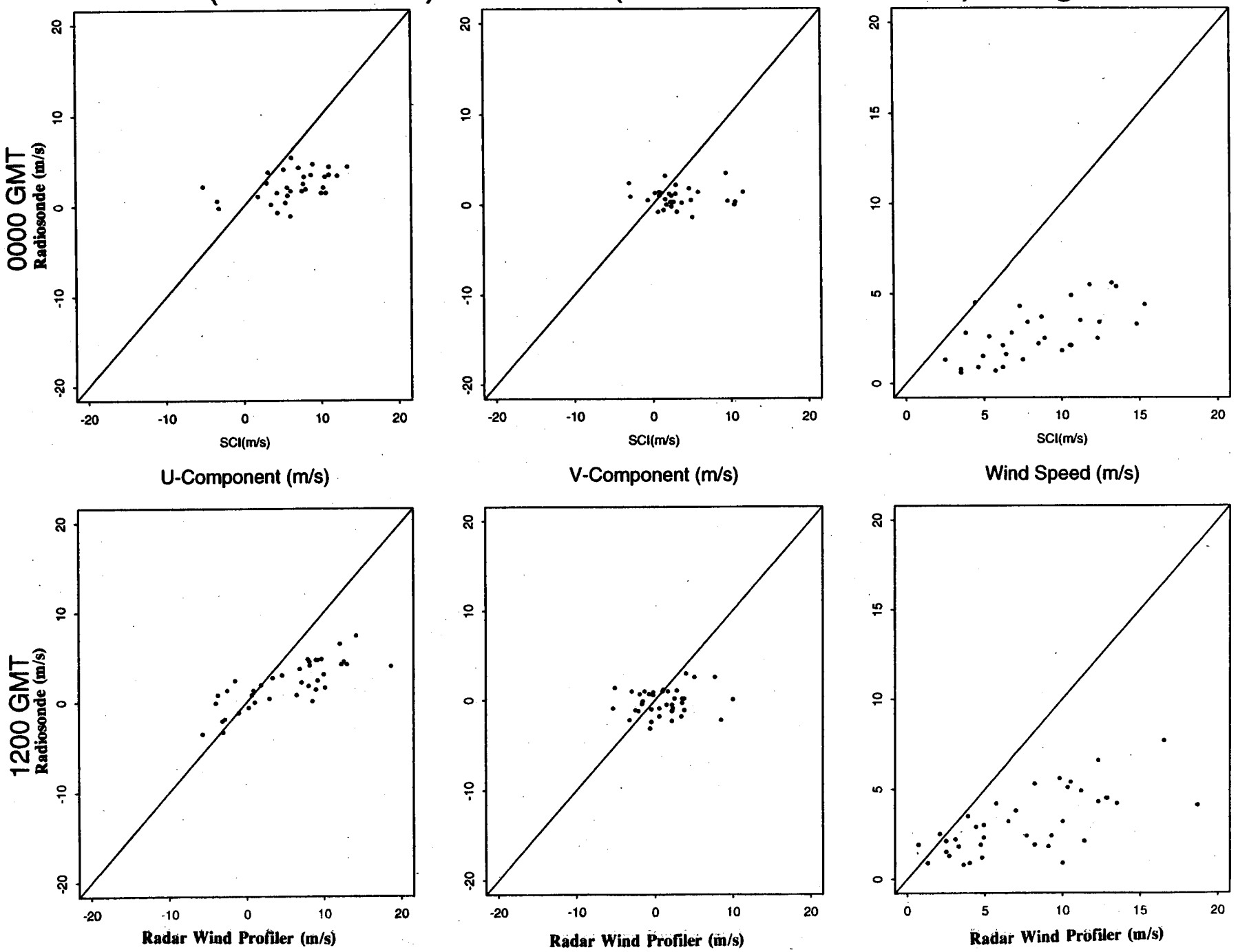


1200 GMT

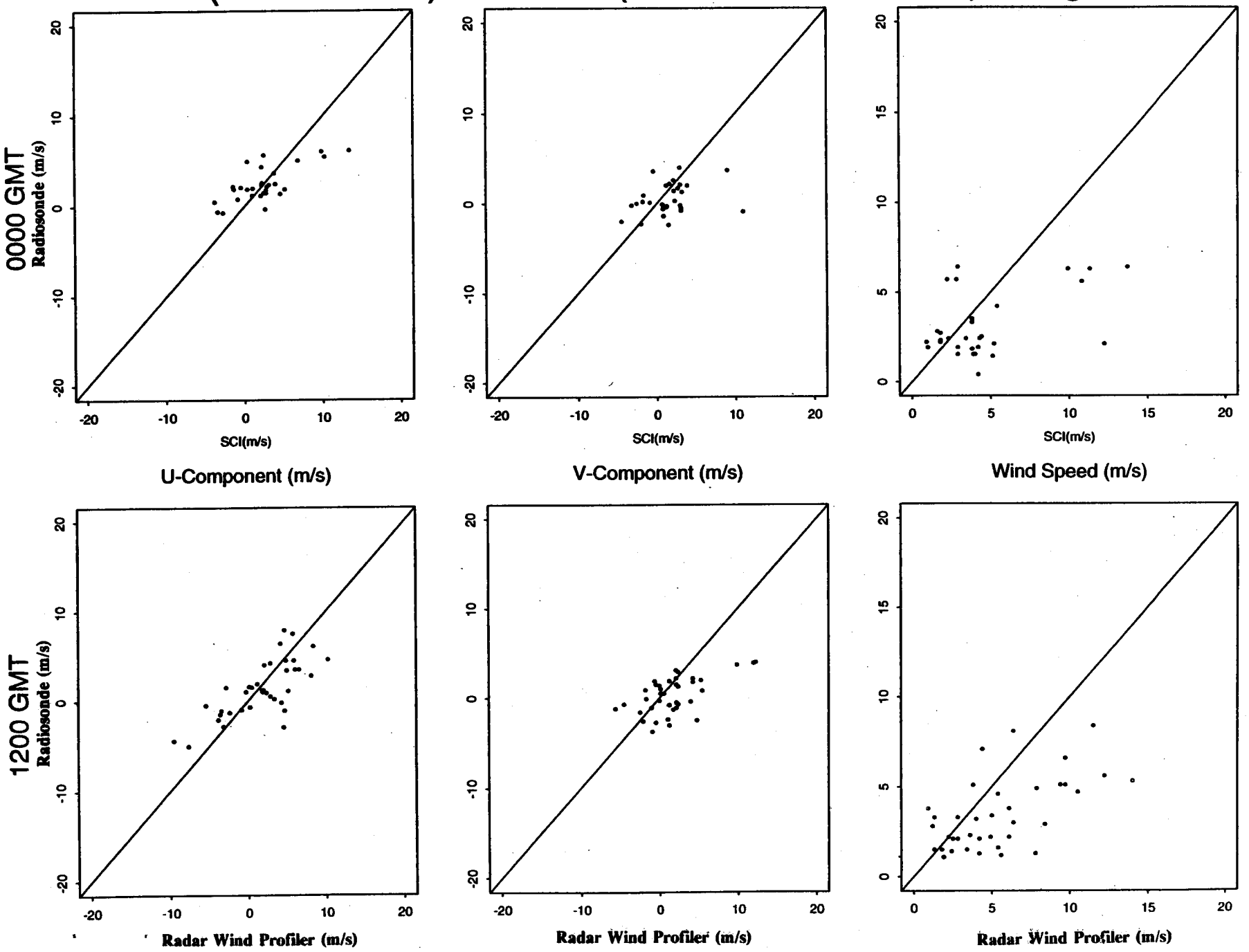
EDWR (Radiosonde) vs WWR (Radar Wind Profiler), Height=300M



EDWR (Radiosonde) vs WWR (Radar Wind Profiler), Height=1000M

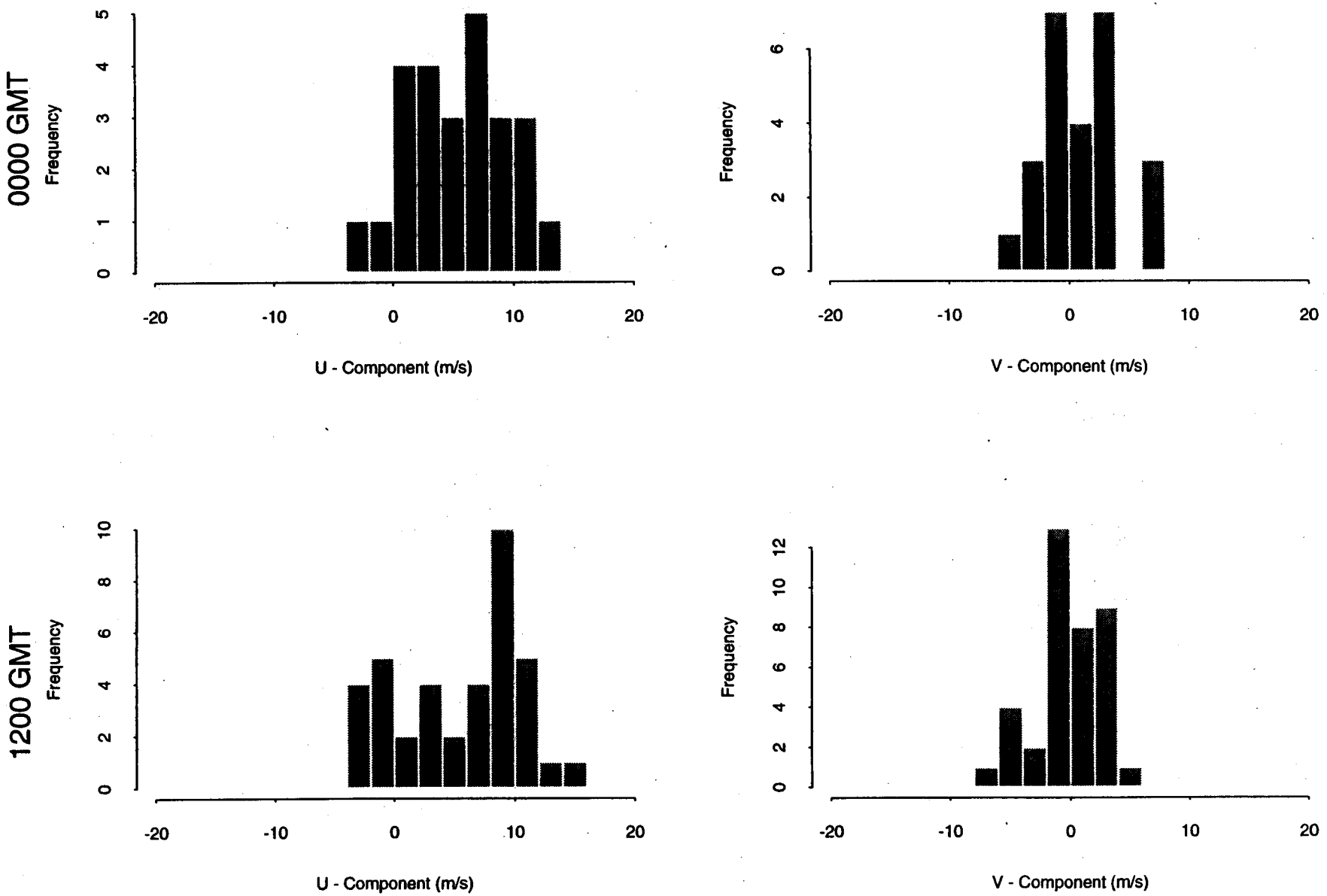


EDWR (Radiosonde) vs WWR (Radar Wind Profiler), Height=2000M



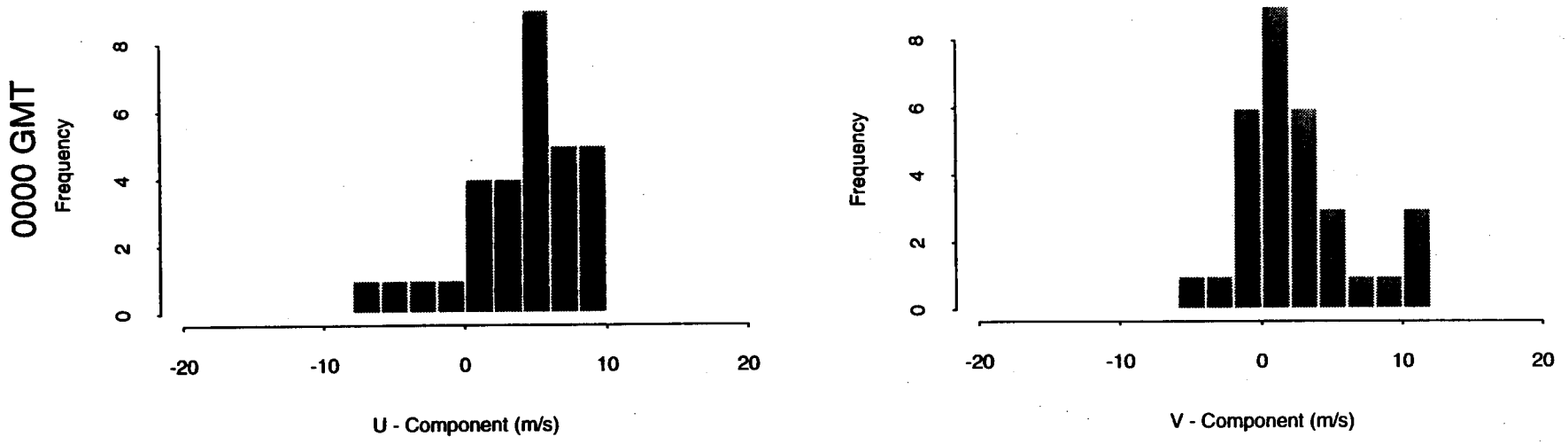
Frequency Distribution of Differences

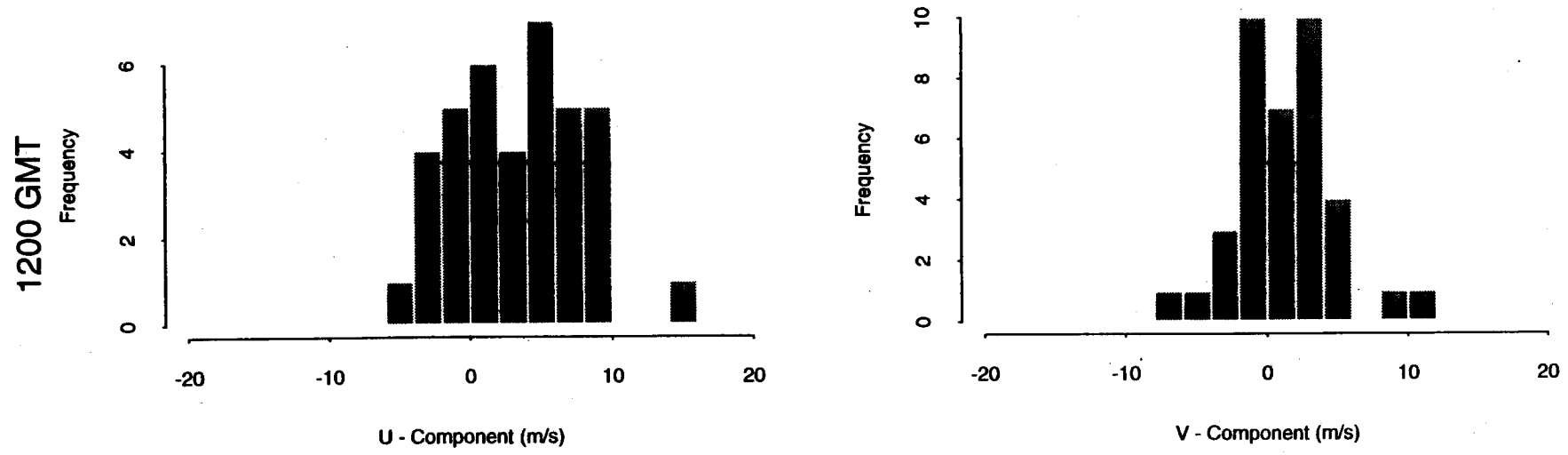
WWR (Radar Wind Profiler) - EDWR (Radiosonde), 300M



Frequency Distribution of Differences

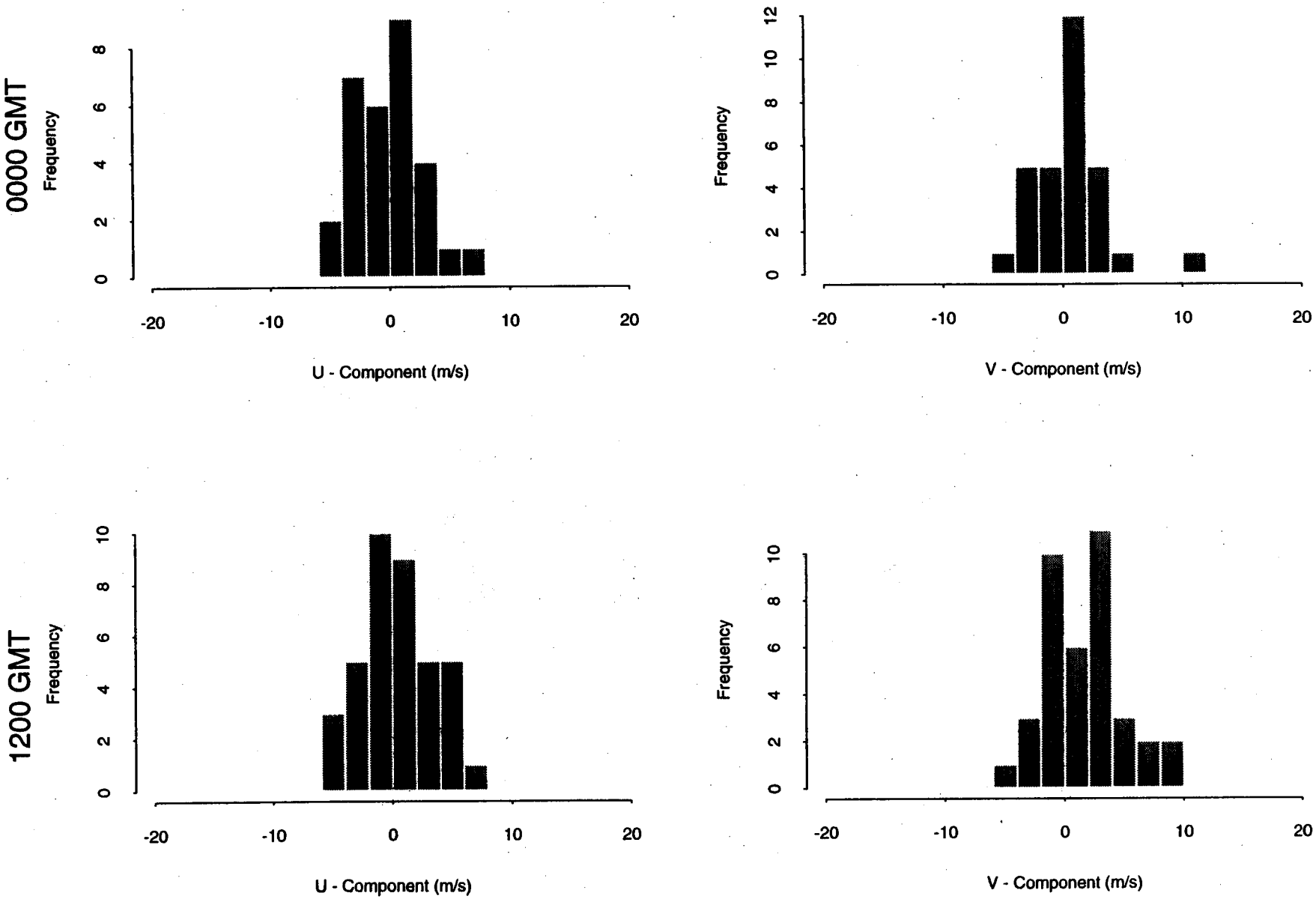
WWR (Radar Wind Profiler) - EDWR (Radiosonde), 1000M





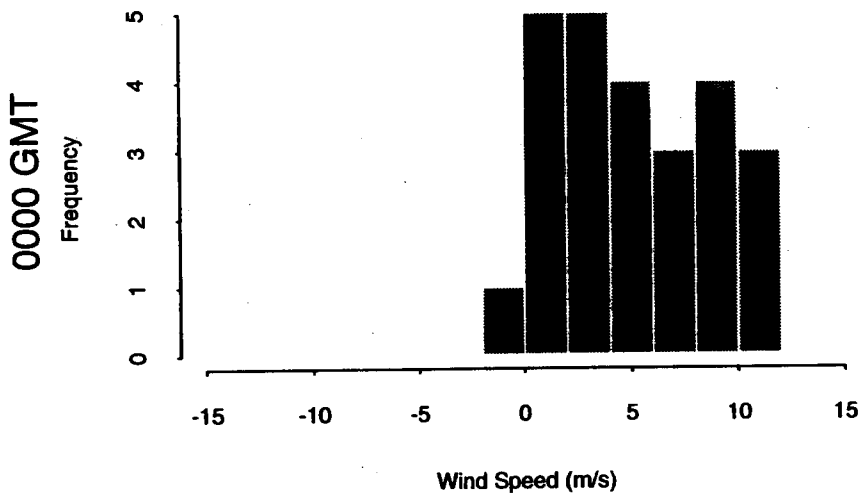
Frequency Distribution of Differences

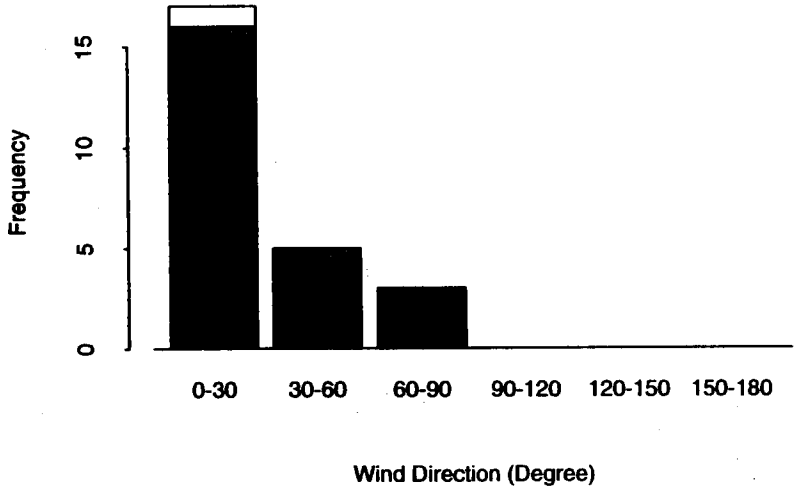
WWR (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

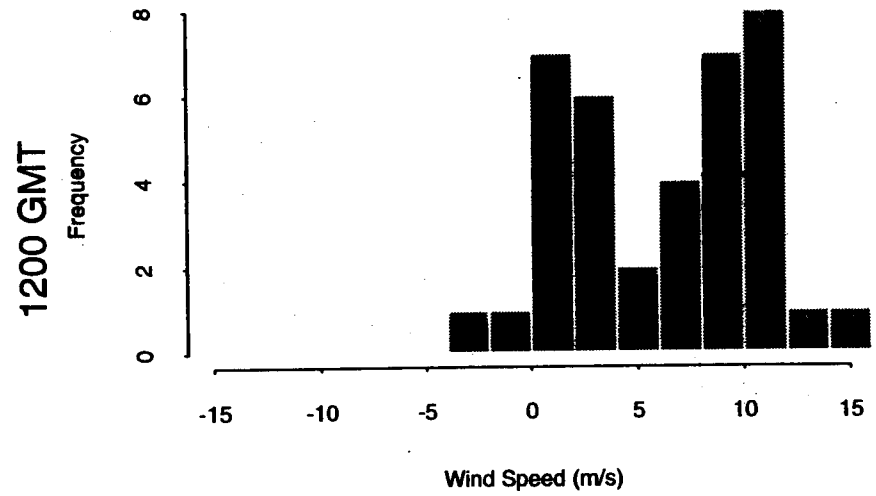


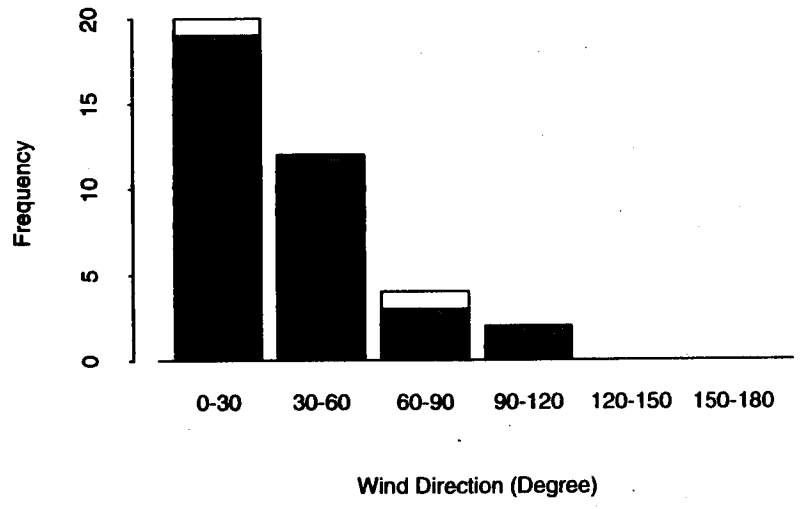
Frequency Distribution of Differences

WWR (Radar Wind Profiler) - EDWR (Radiosonde), 300M



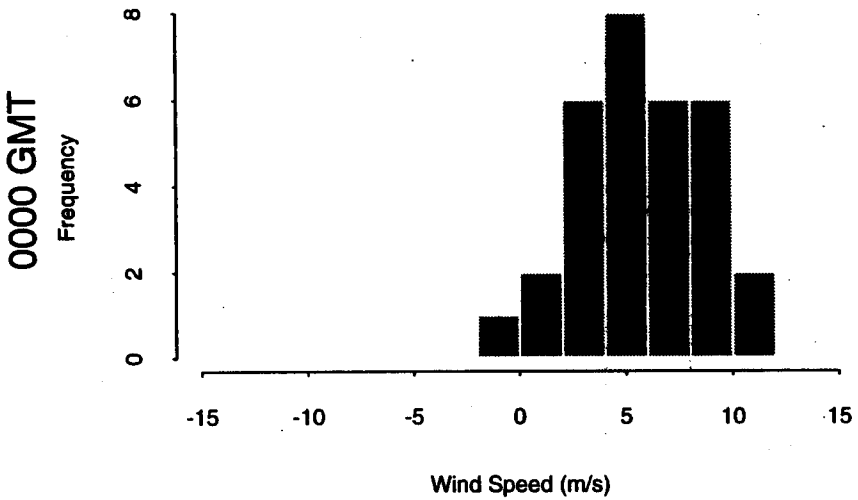


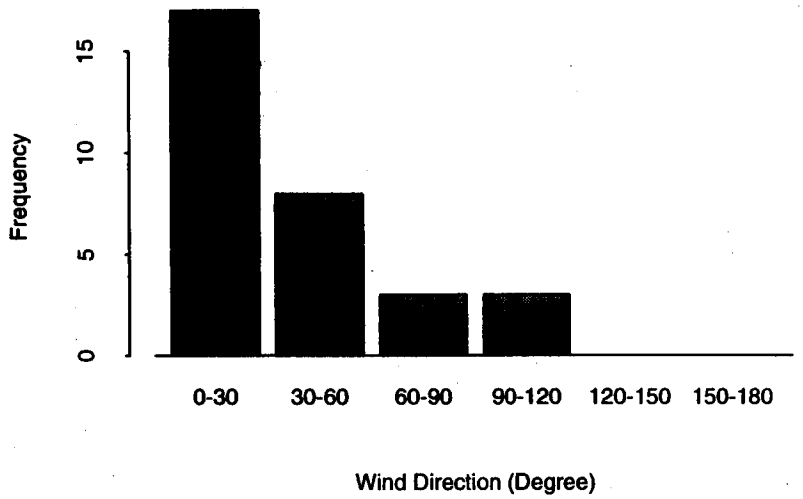


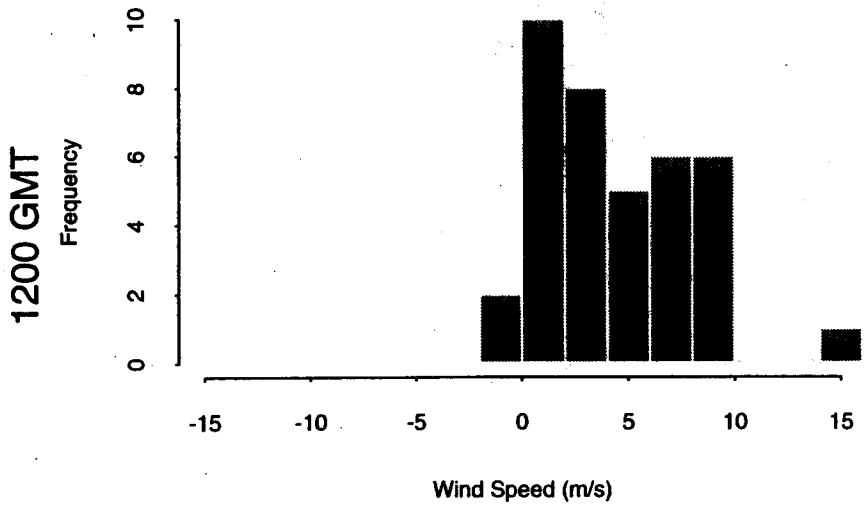


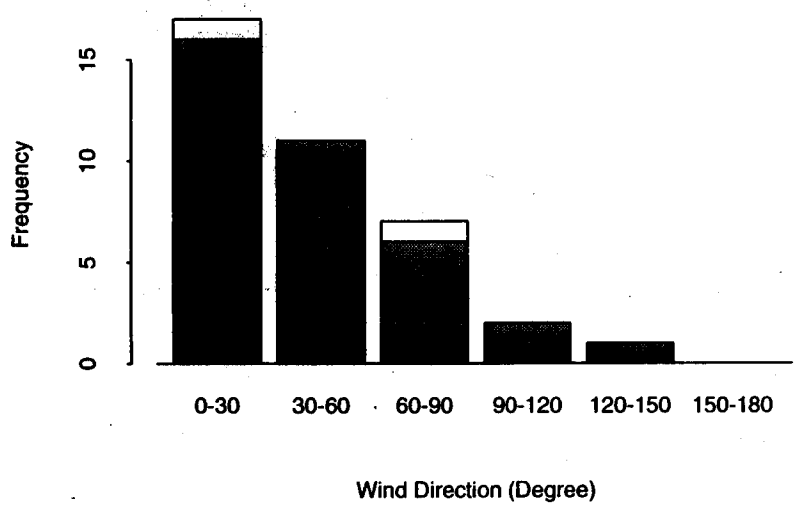
Frequency Distribution of Differences

WWR (Radar Wind Profiler) - EDWR (Radiosonde), 1000M



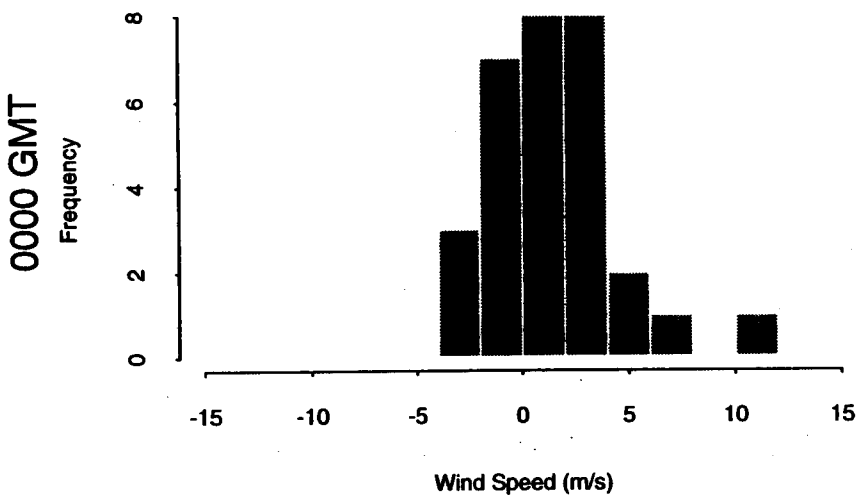


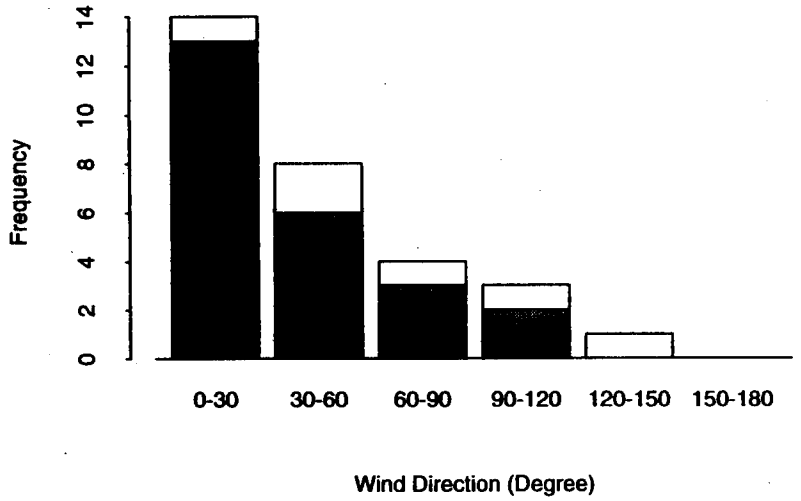


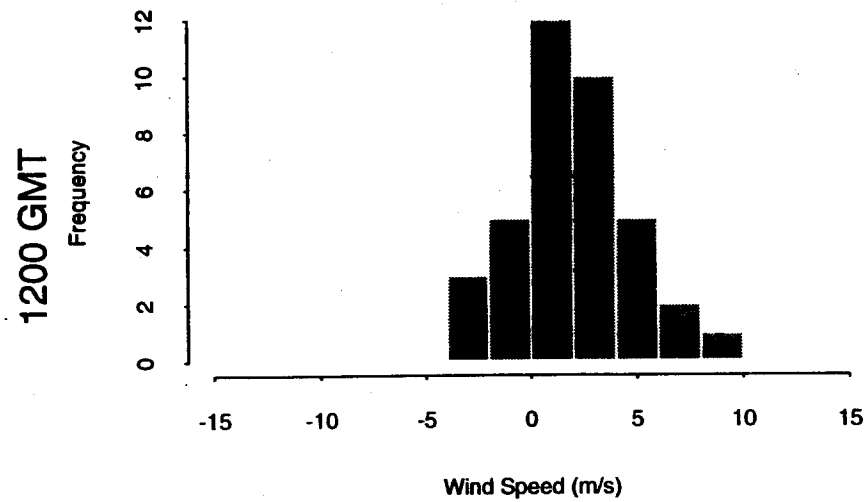


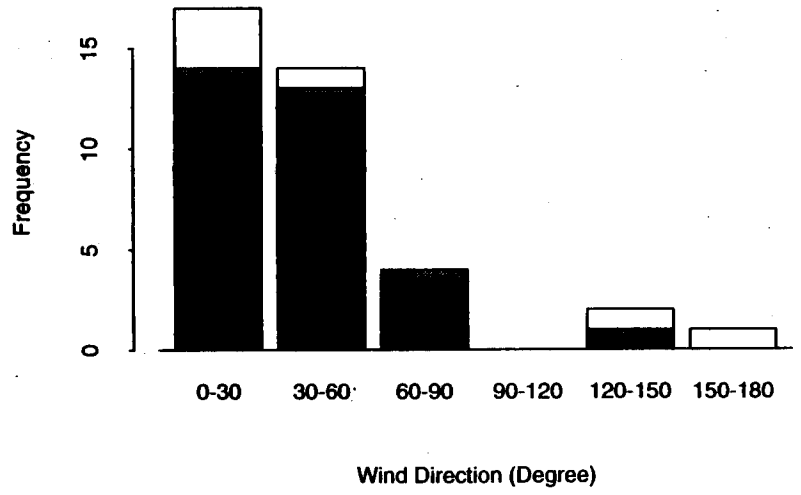
Frequency Distribution of Differences

WWR (Radar Wind Profiler) - EDWR (Radiosonde), 2000M





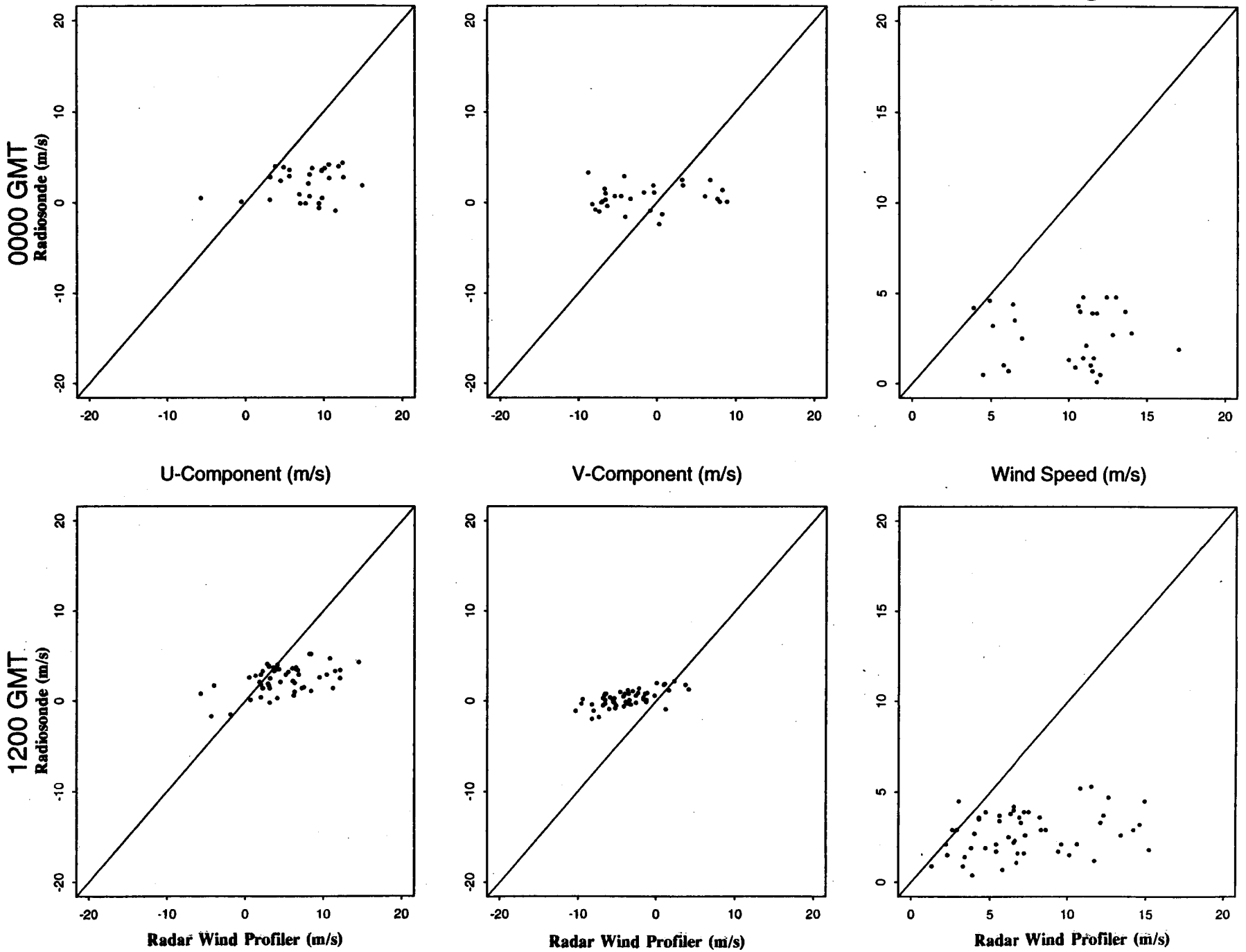




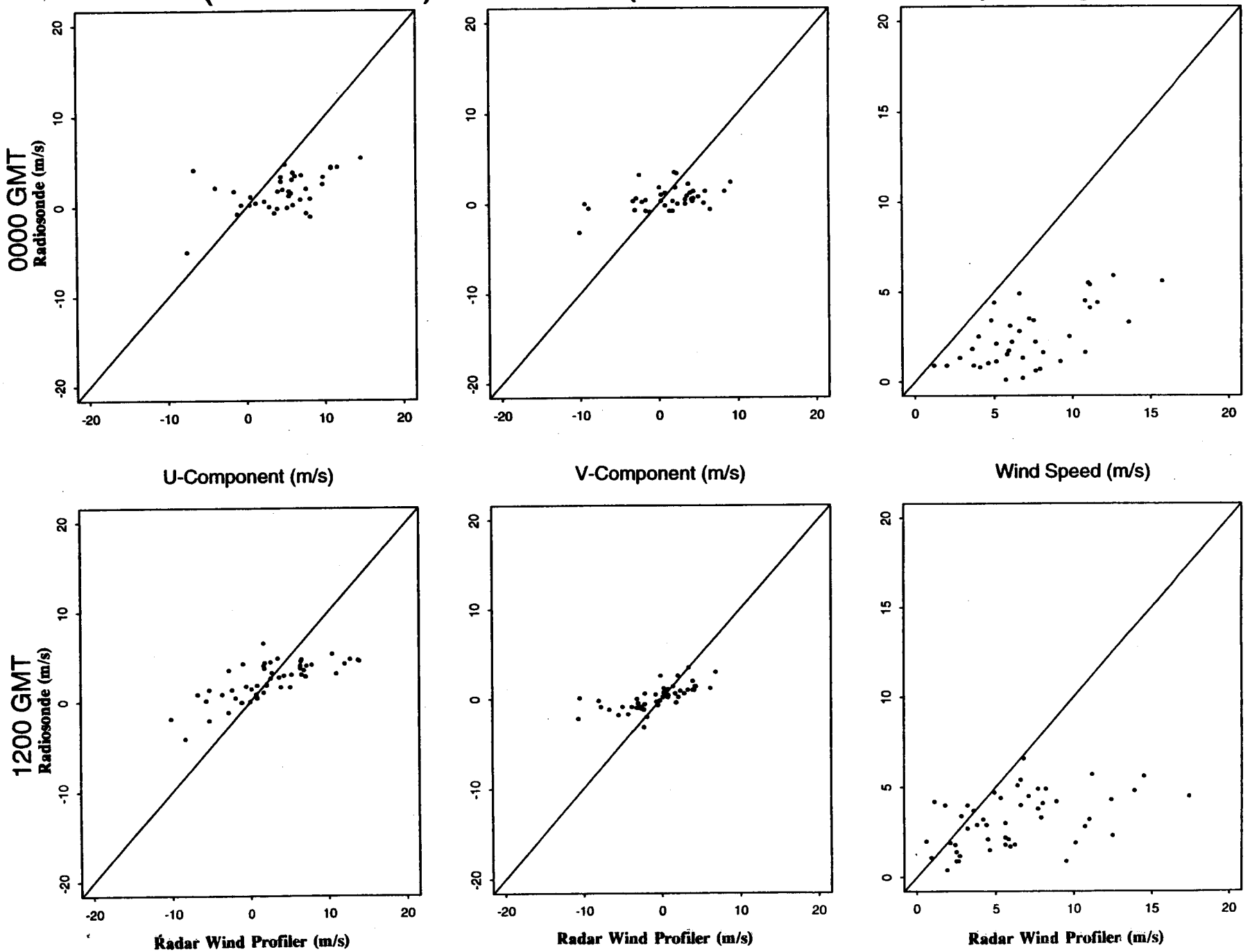
Appendix A2

COMPARISON OF LOW AND HIGH RESOLUTION RADAR WIND PROFILER (RWP) WIND DATA FOR THE MOJAVE (MOJ) PROFILER SITE WITH THE EDWARDS RADIOSONDE DATA

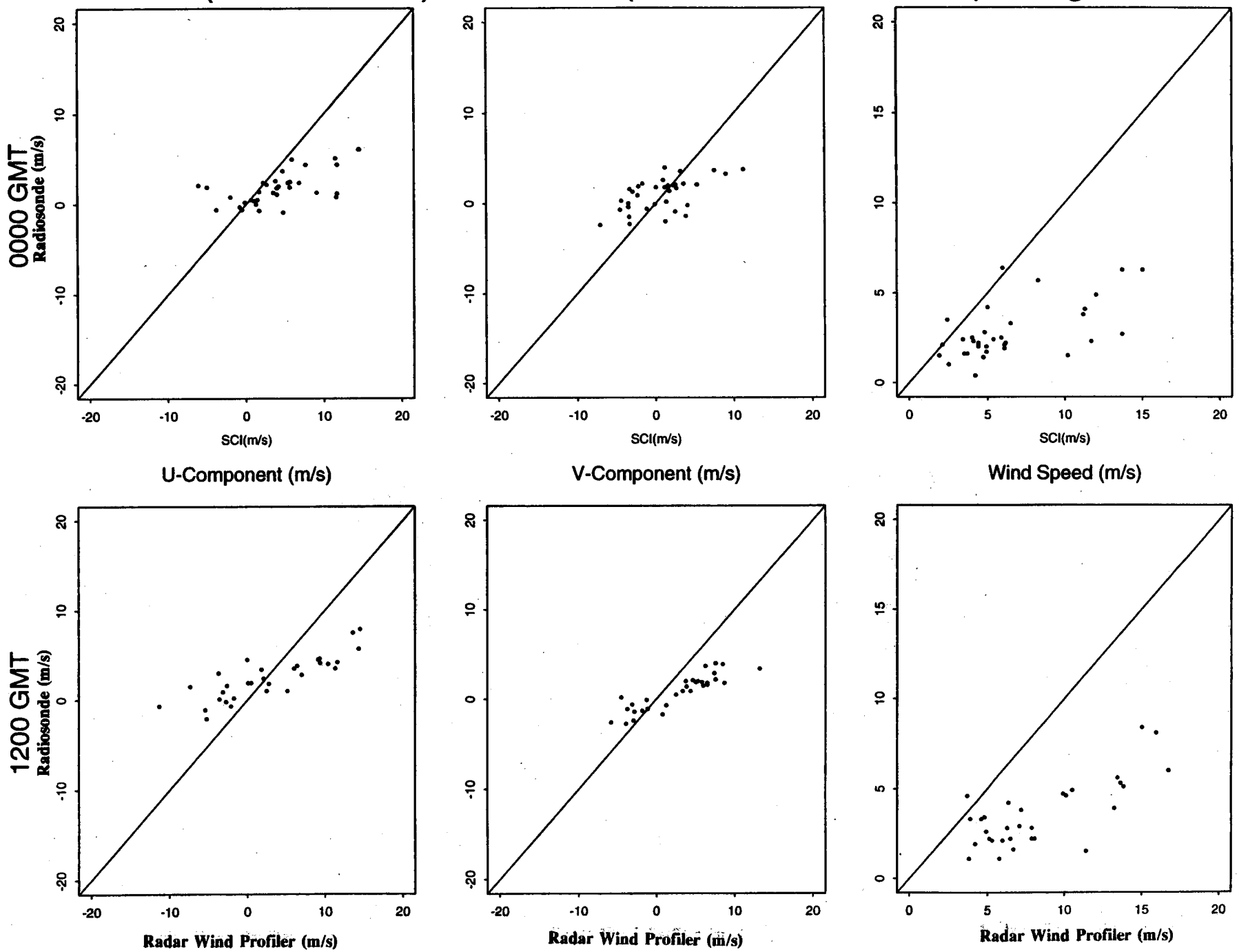
EDWR (Radiosonde) vs MOJH (Radar Wind Profiler), Height=300M



EDWR (Radiosonde) vs MOJH (Radar Wind Profiler), Height=1000M



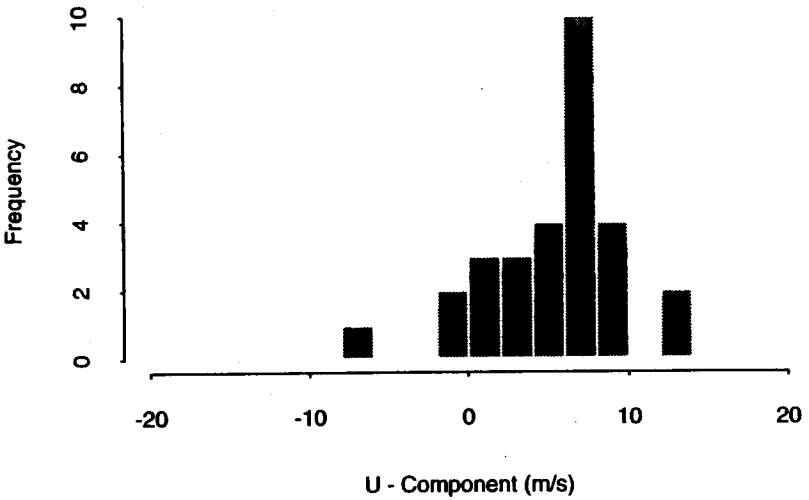
EDWR (Radiosonde) vs MOJH (Radar Wind Profiler), Height=2000M

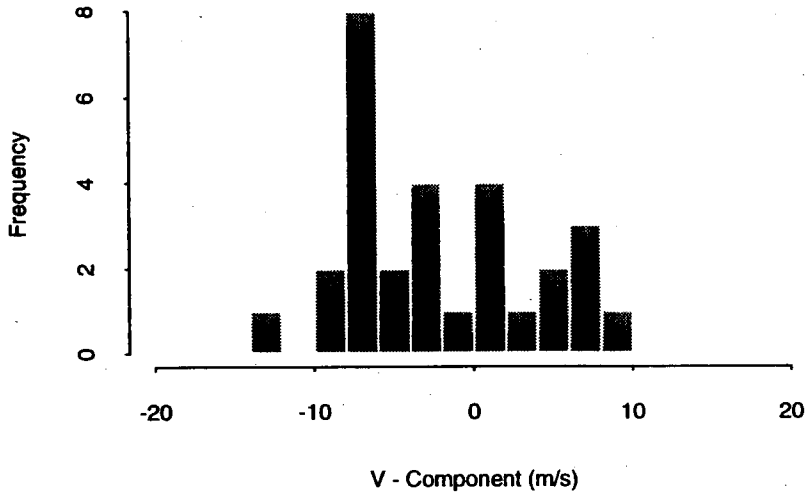


Frequency Distribution of Differences

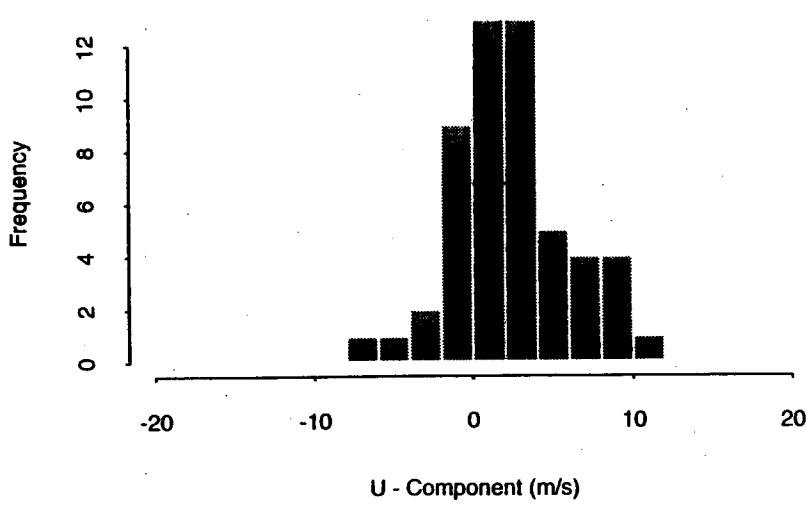
MOJH (Radar Wind Profiler) - EDWR (Radiosonde), 300M

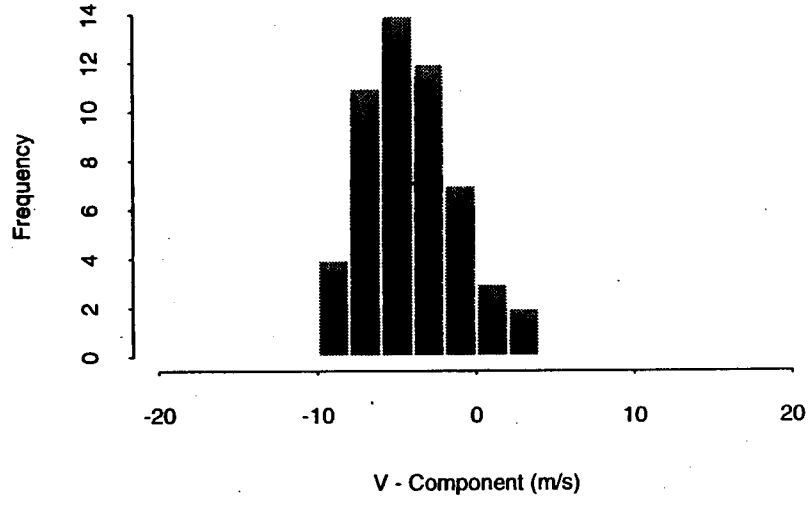
0000 GMT





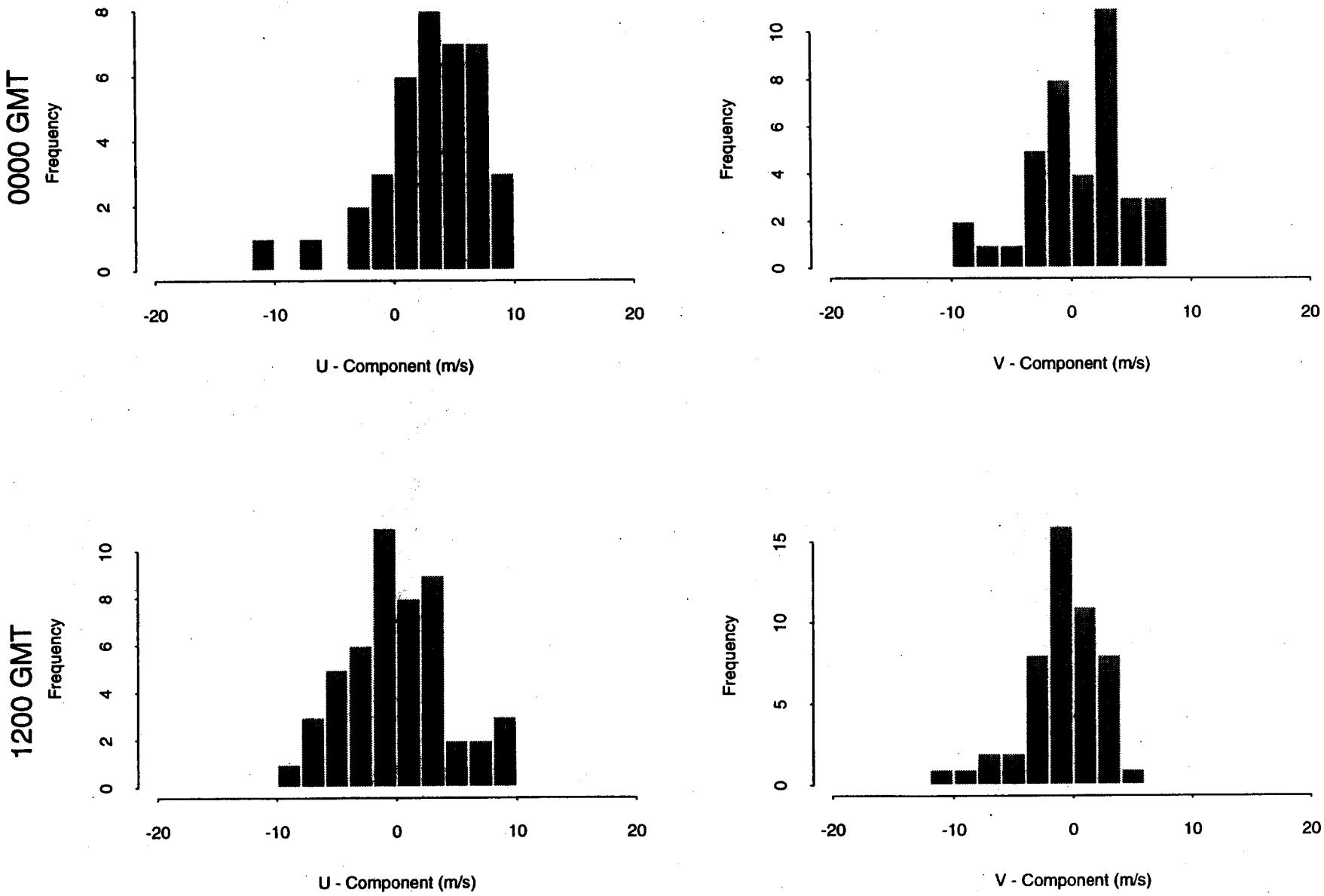
1200 GMT





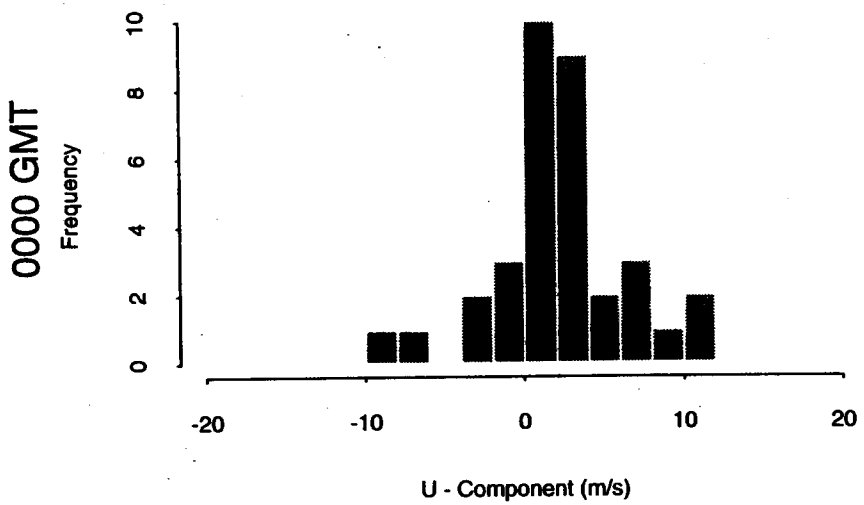
Frequency Distribution of Differences

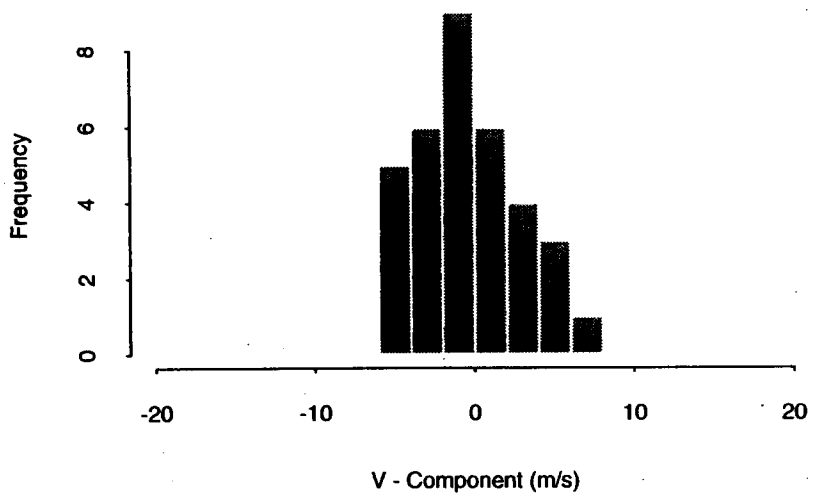
MOJH (Radar Wind Profiler) - EDWR (Radiosonde), 1000M

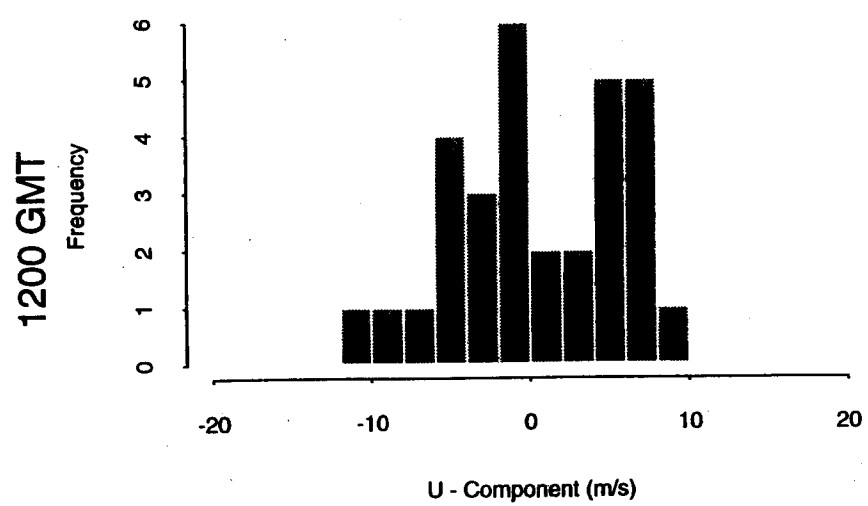


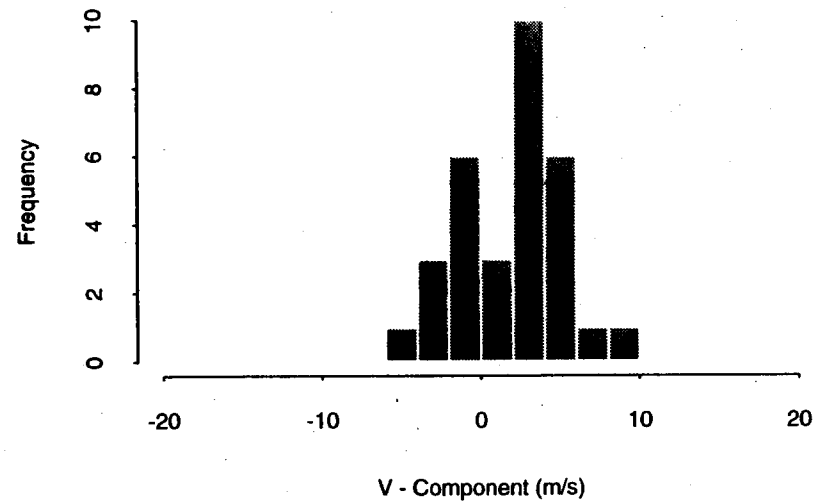
Frequency Distribution of Differences

MOJH (Radar Wind Profiler) - EDWR (Radiosonde), 2000M



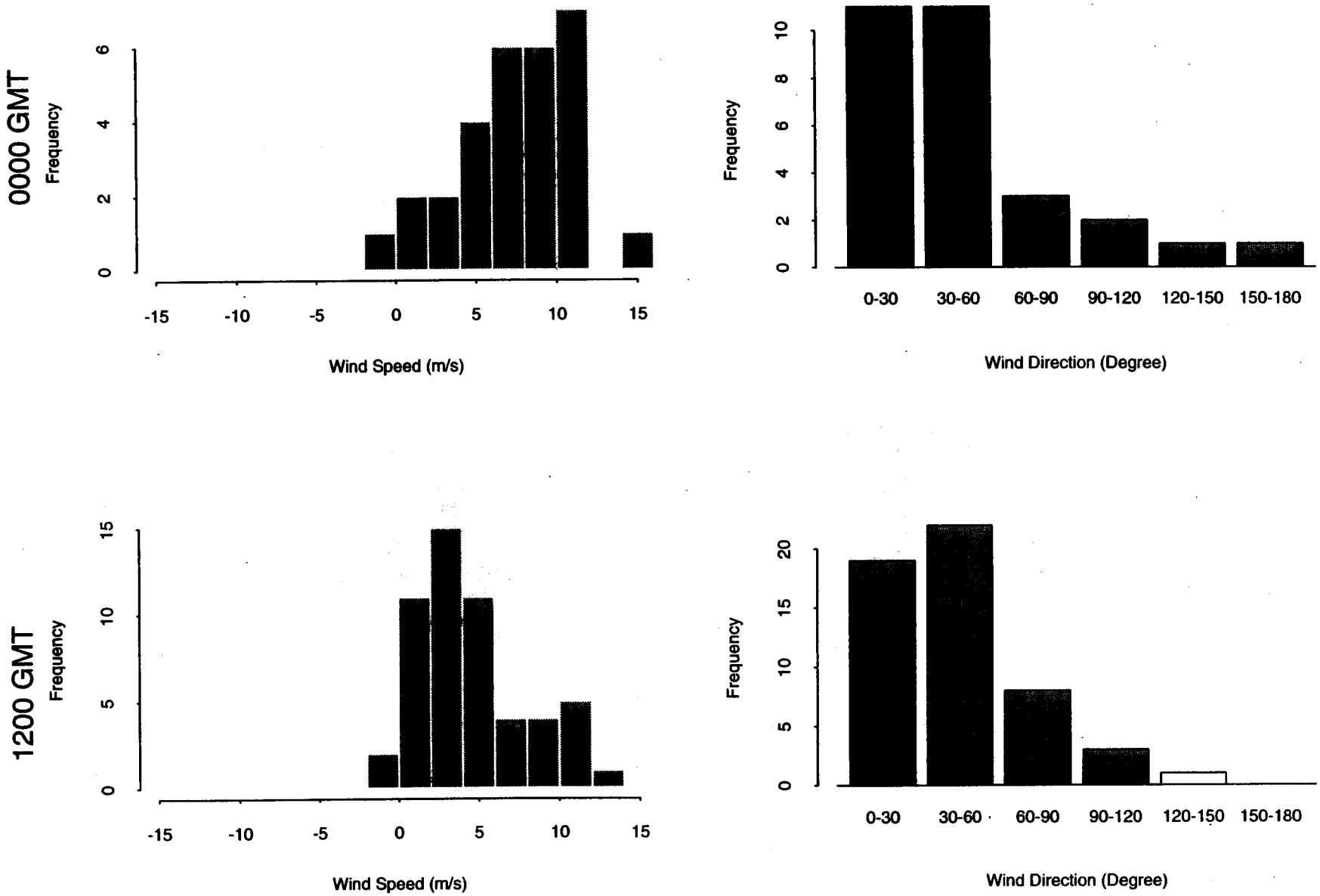






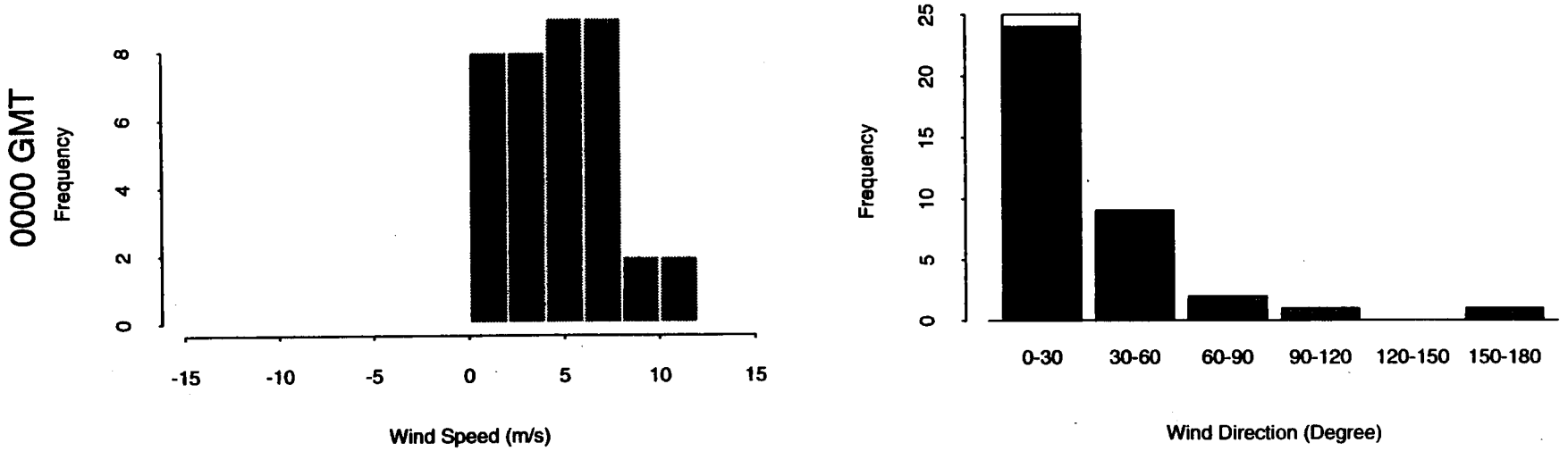
Frequency Distribution of Differences

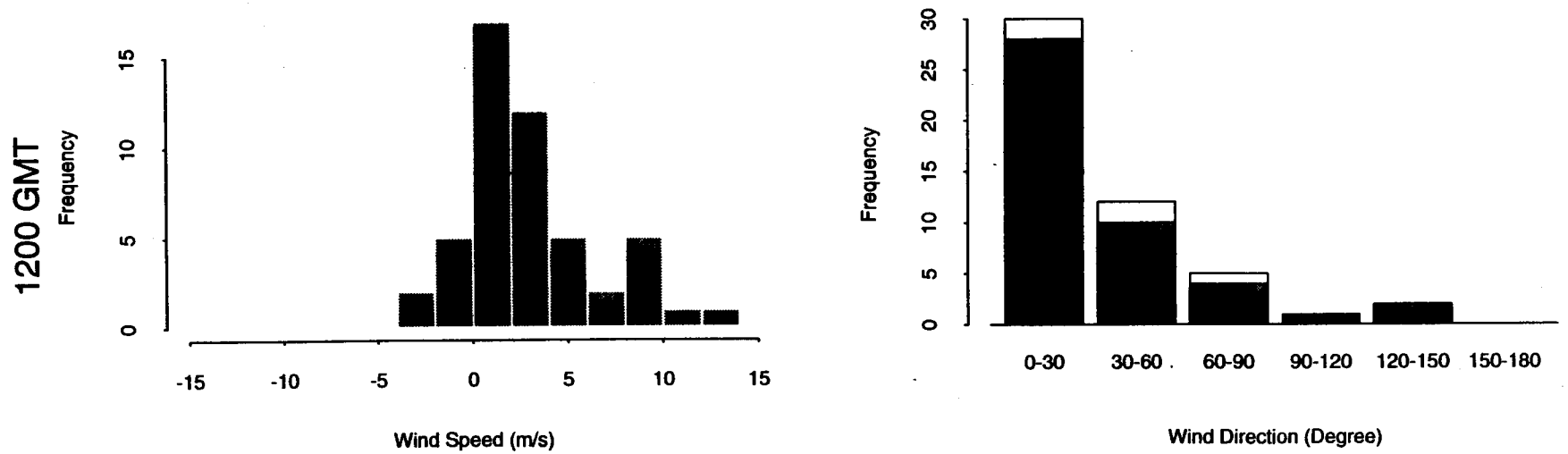
MOJH (Radar Wind Profiler) - EDWR (Radiosonde), 300M



Frequency Distribution of Differences

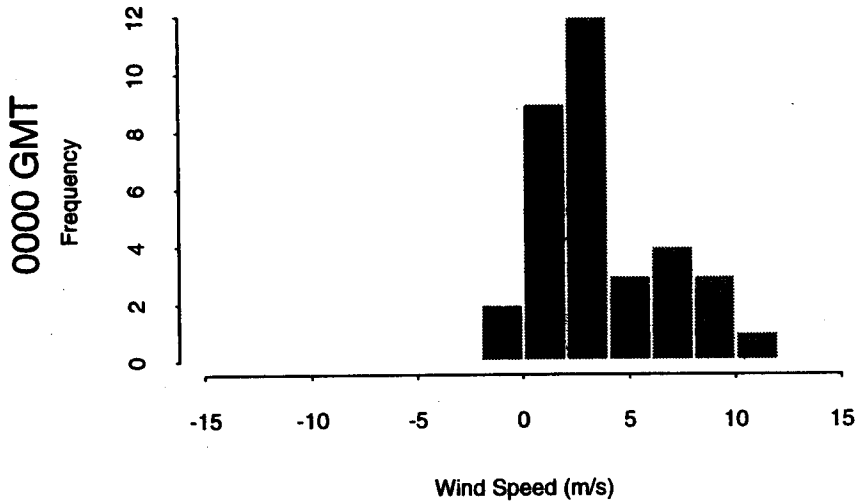
MOJH (Radar Wind Profiler) - EDWR (Radiosonde), 1000M

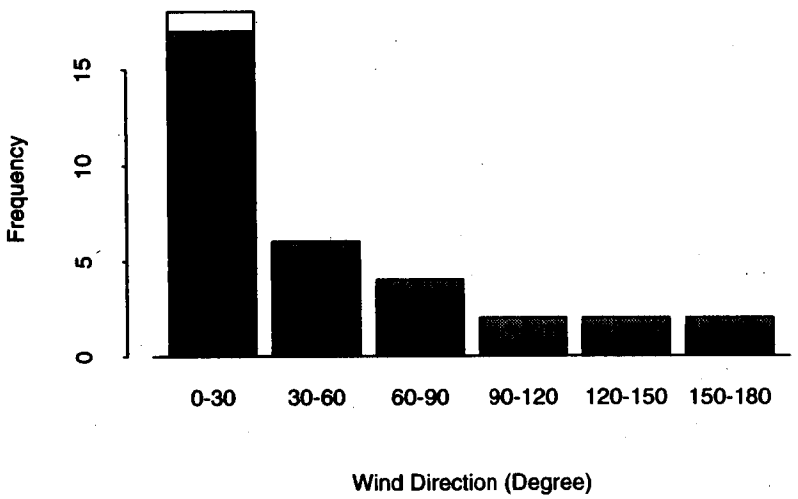


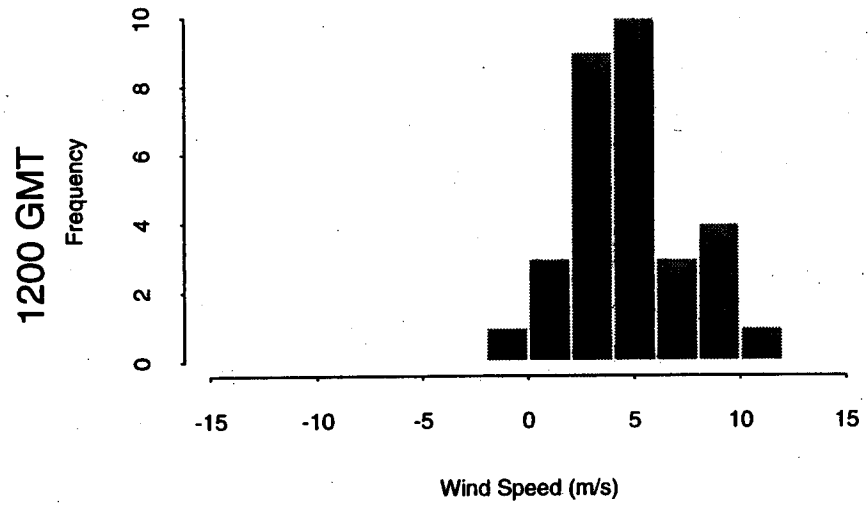


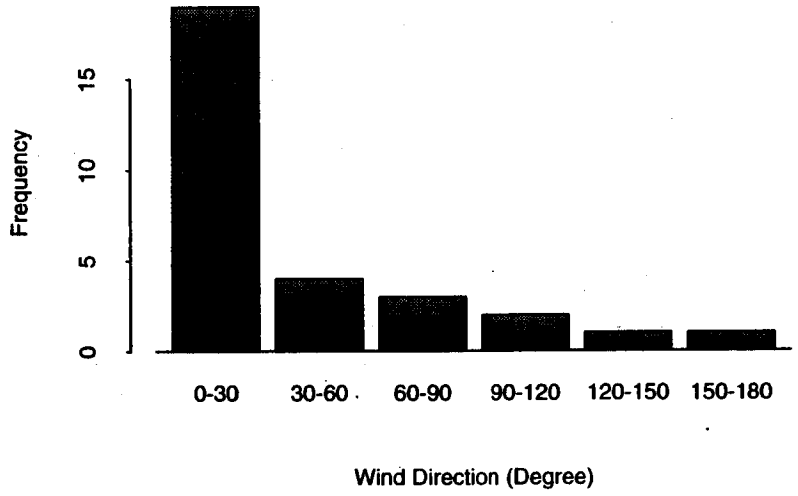
Frequency Distribution of Differences

MOJH (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

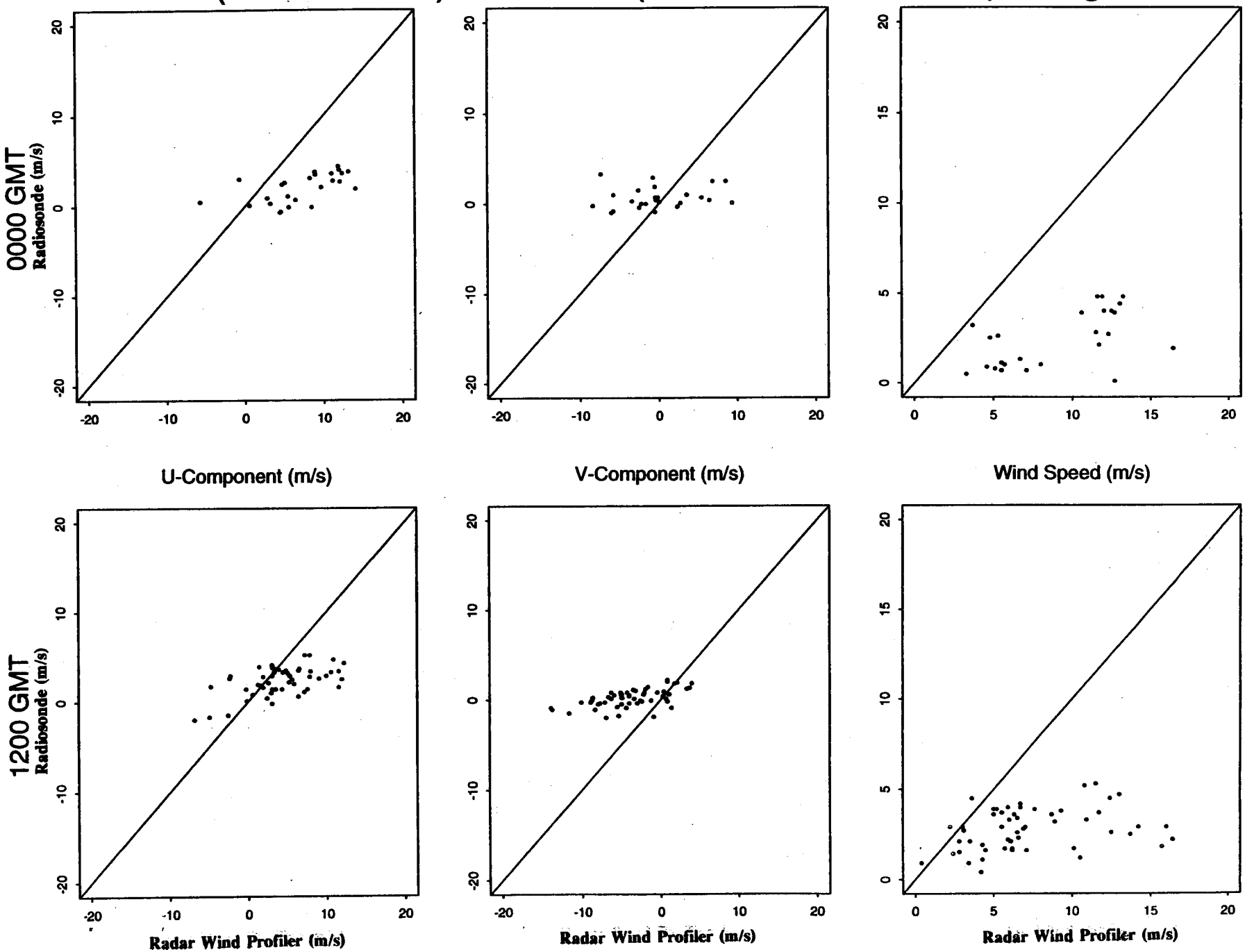




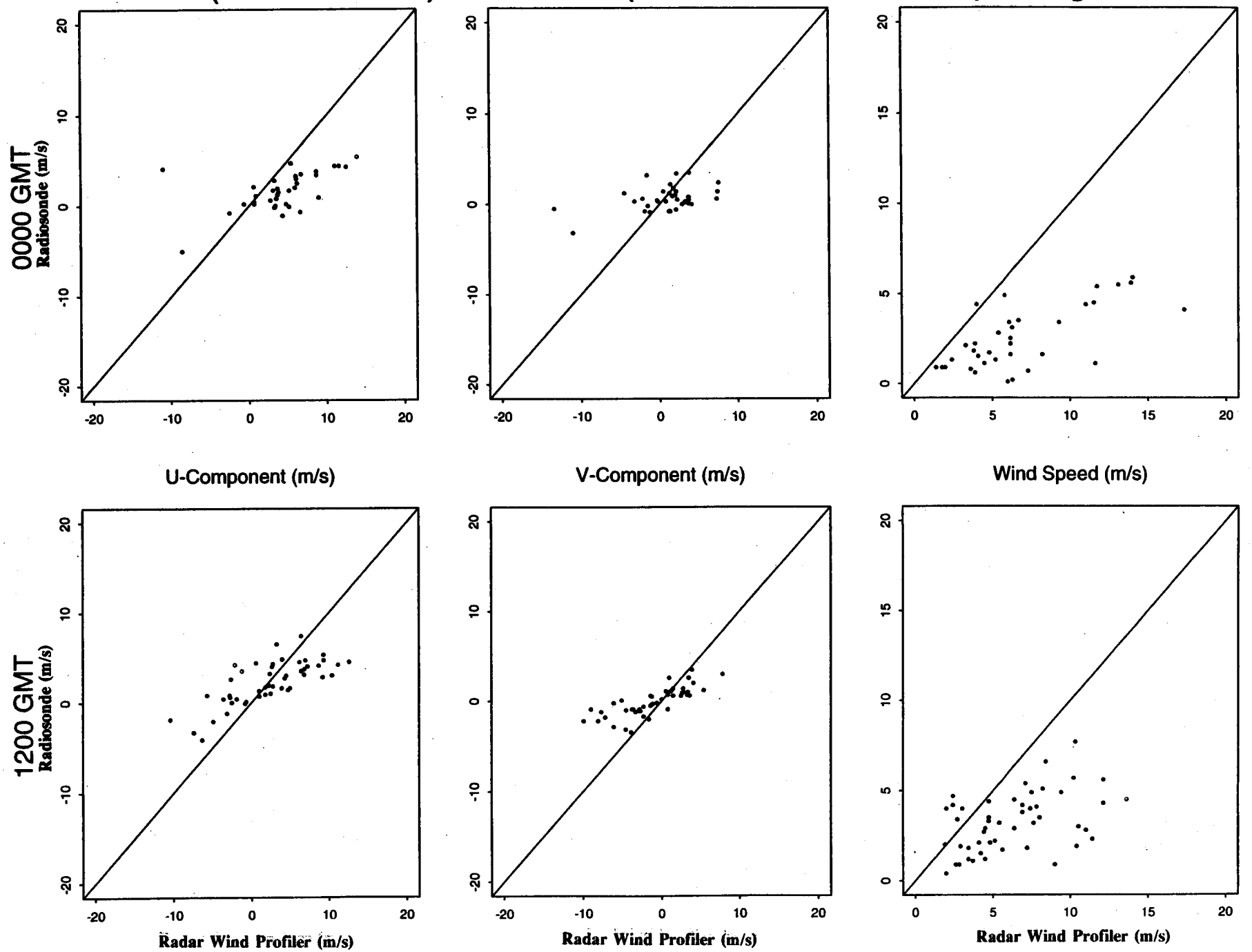




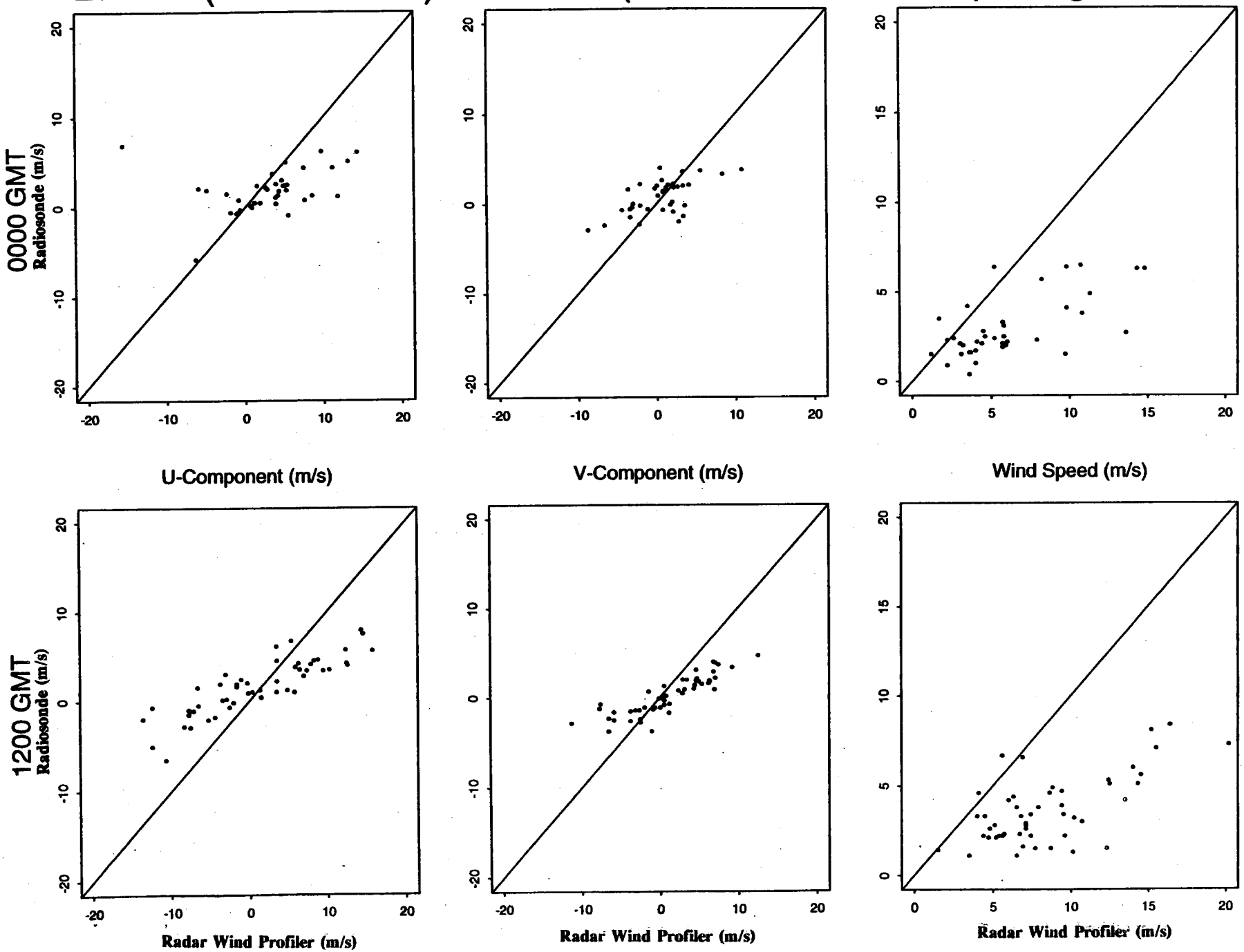
EDWR (Radiosonde) vs MOJL (Radar Wind Profiler), Height=300M



EDWR (Radiosonde) vs MOJL (Radar Wind Profiler), Height=1000M

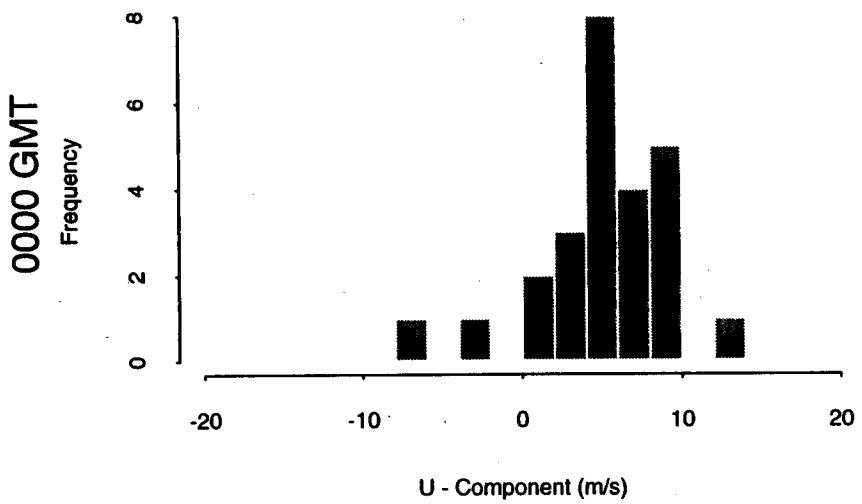


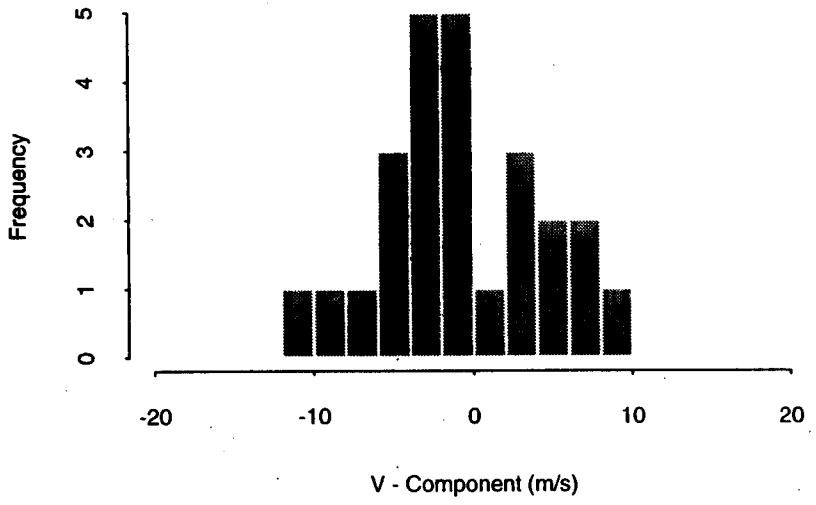
EDWR (Radiosonde) vs MOJL (Radar Wind Profiler), Height=2000M

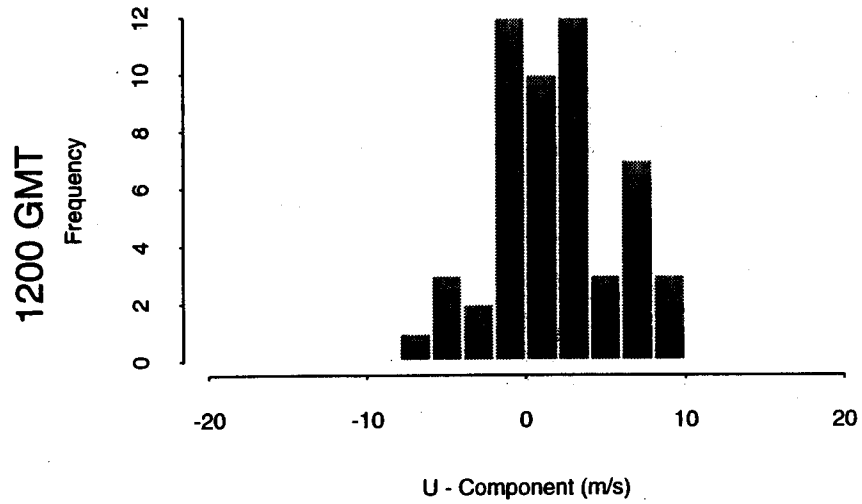


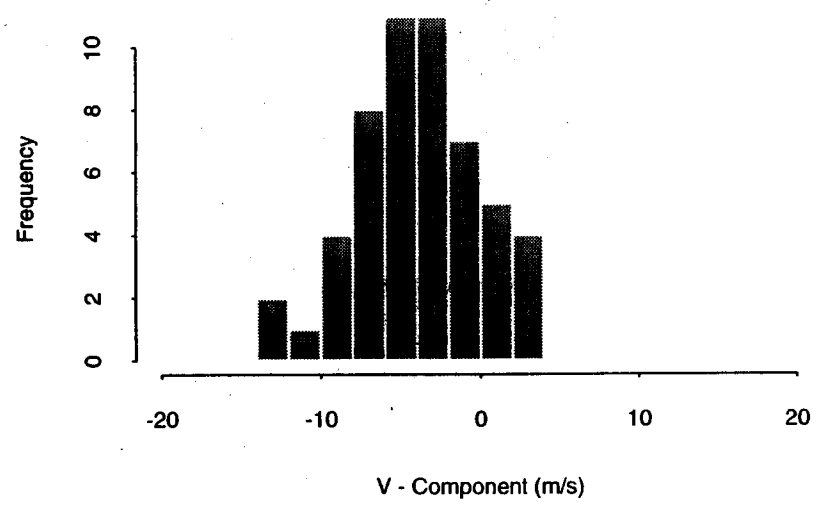
Frequency Distribution of Differences

MOJL (Radar Wind Profiler) - EDWR (Radiosonde), 300M



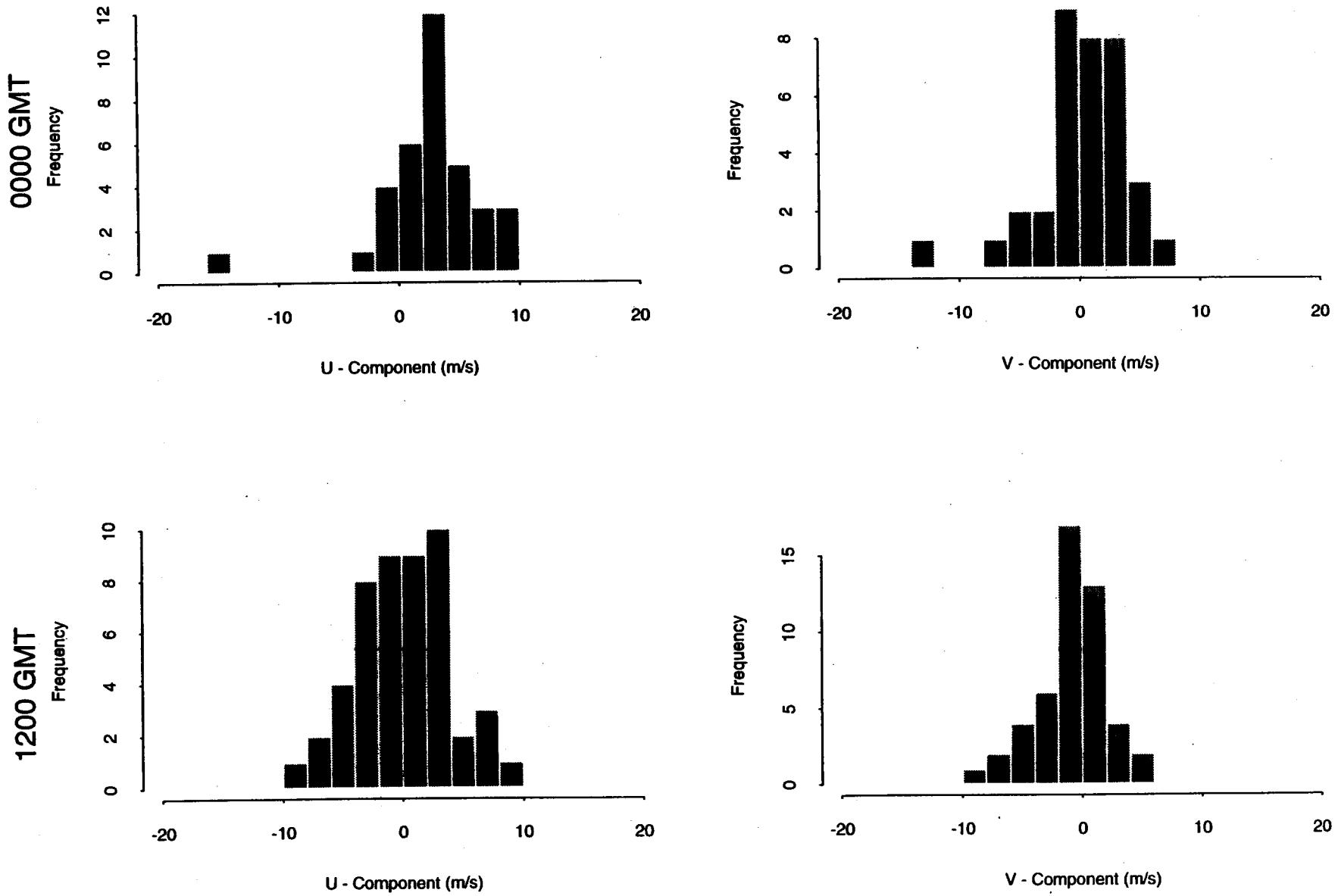






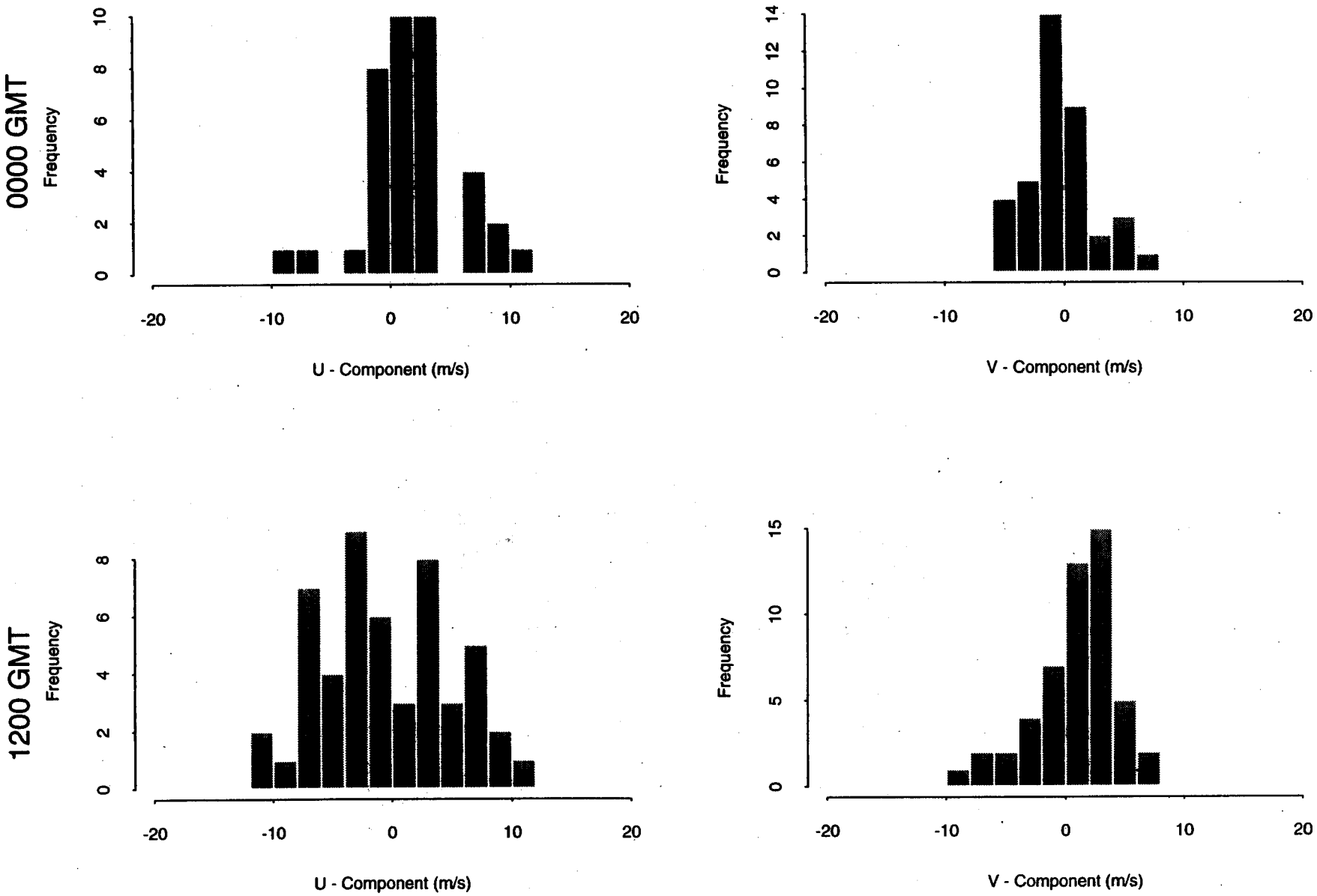
Frequency Distribution of Differences

MOJL (Radar Wind Profiler) - EDWR (Radiosonde), 1000M



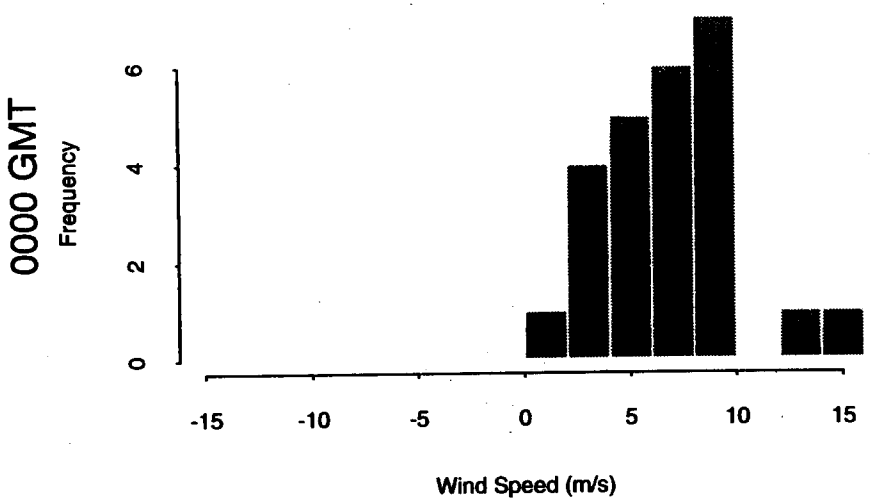
Frequency Distribution of Differences

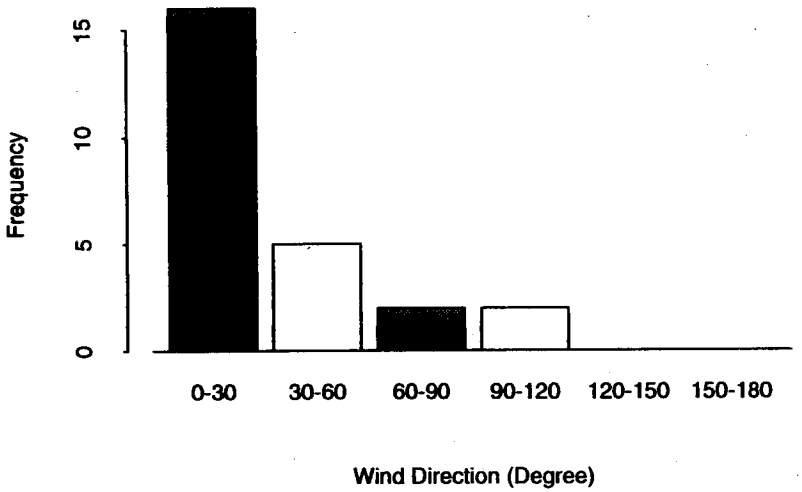
MOJL (Radar Wind Profiler) - EDWR (Radiosonde), 2000M

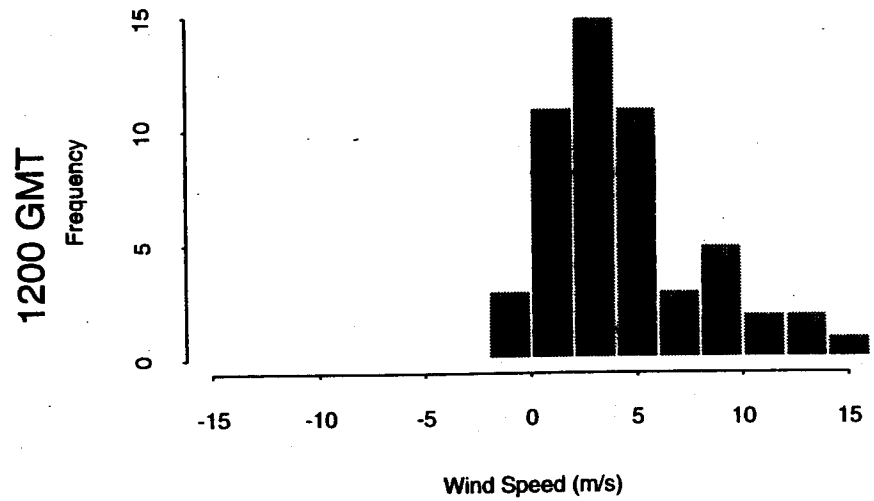


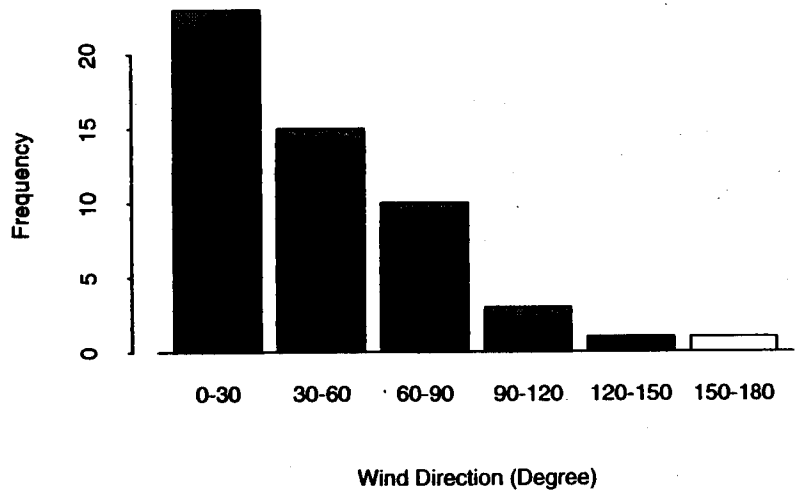
Frequency Distribution of Differences

MOJL (Radar Wind Profiler) - EDWR (Radiosonde), 300M



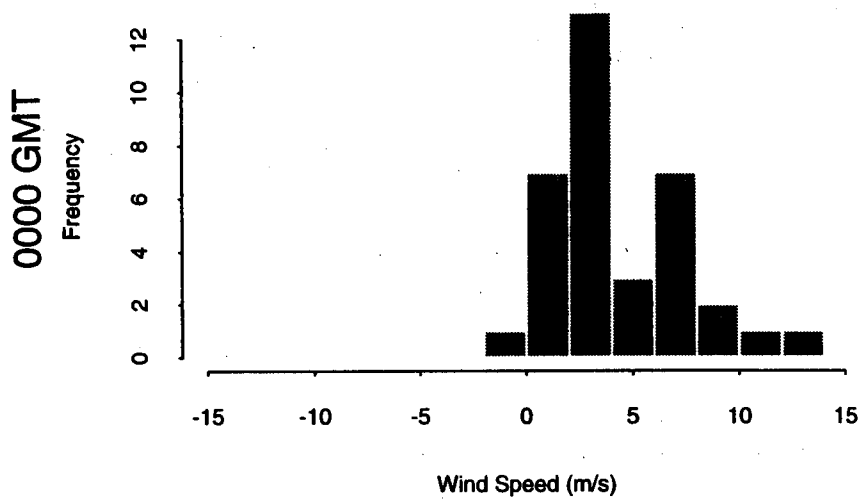


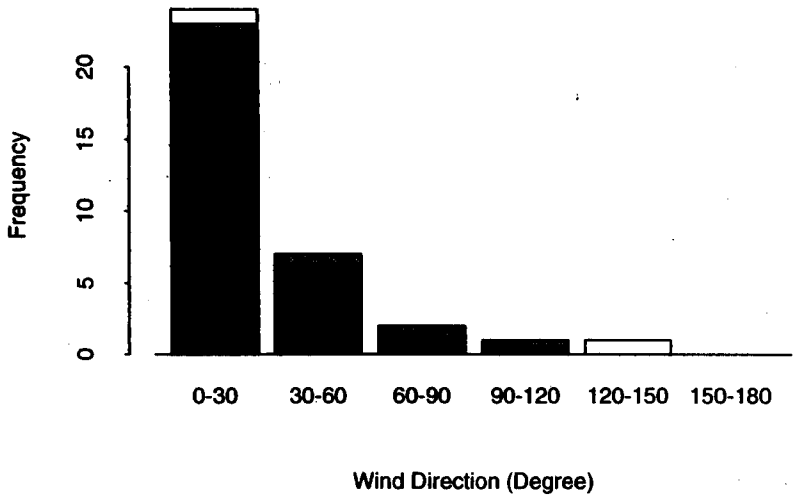


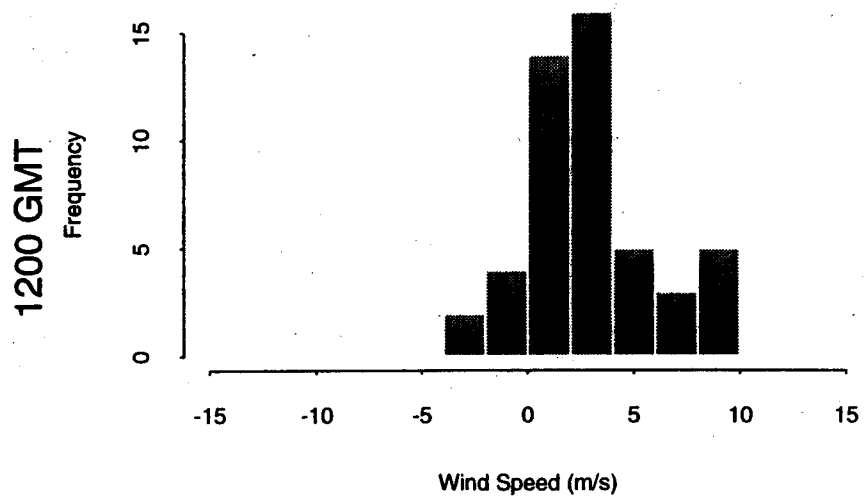


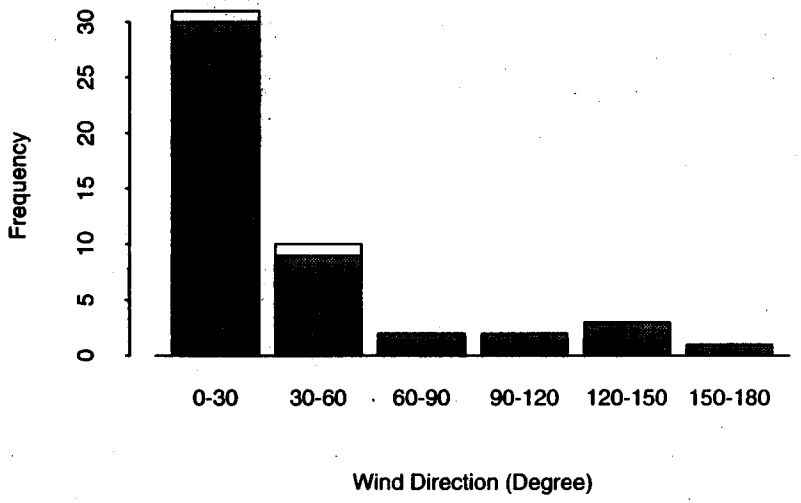
Frequency Distribution of Differences

MOJL (Radar Wind Profiler) - EDWR (Radiosonde), 1000M



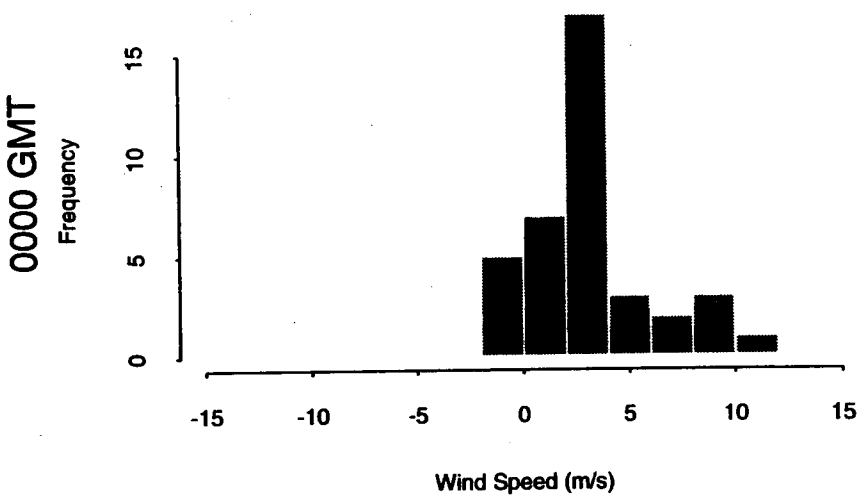


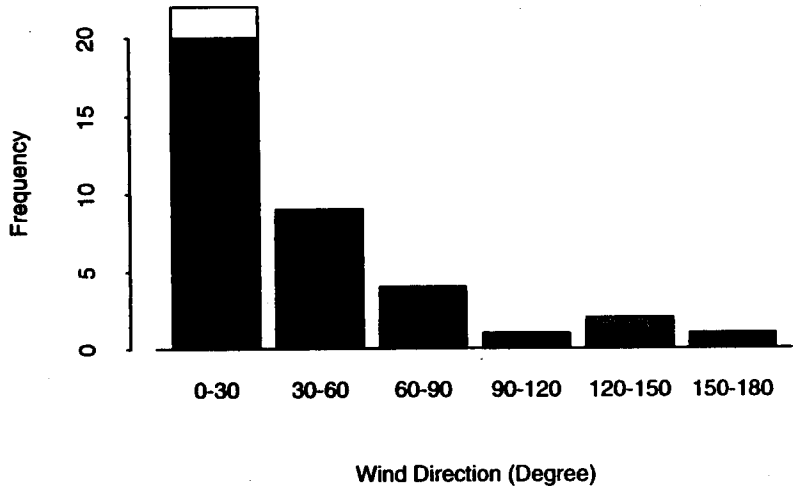


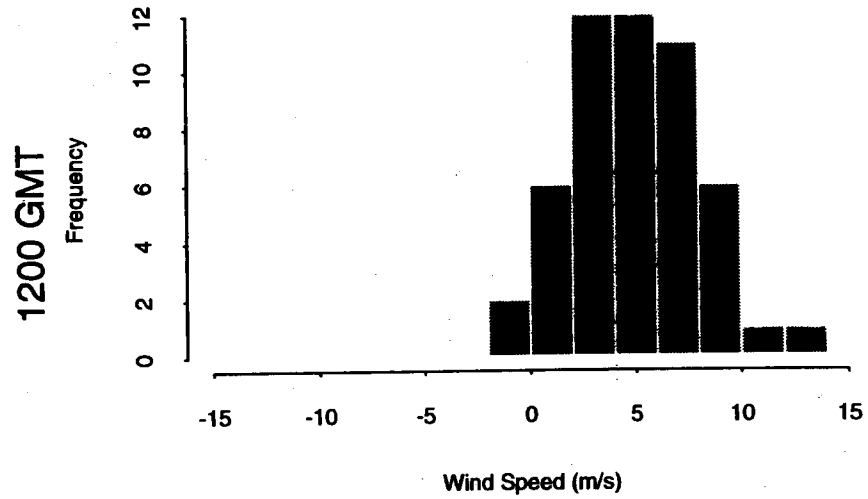


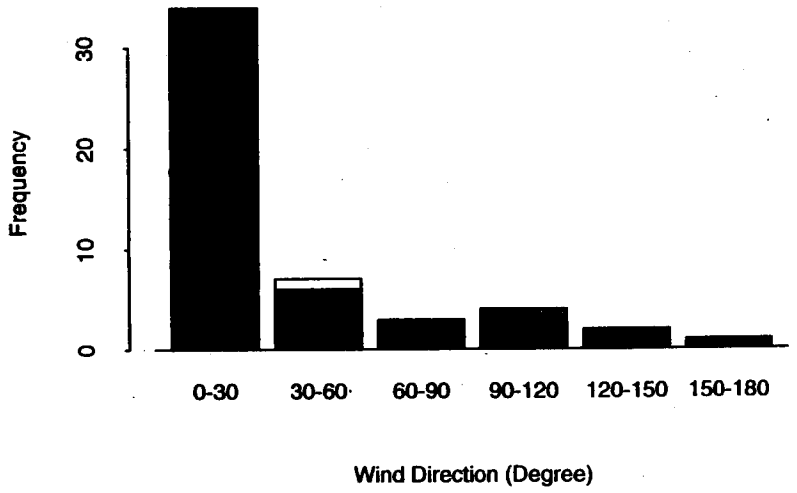
Frequency Distribution of Differences

MOJL (Radar Wind Profiler) - EDWR (Radiosonde), 2000M





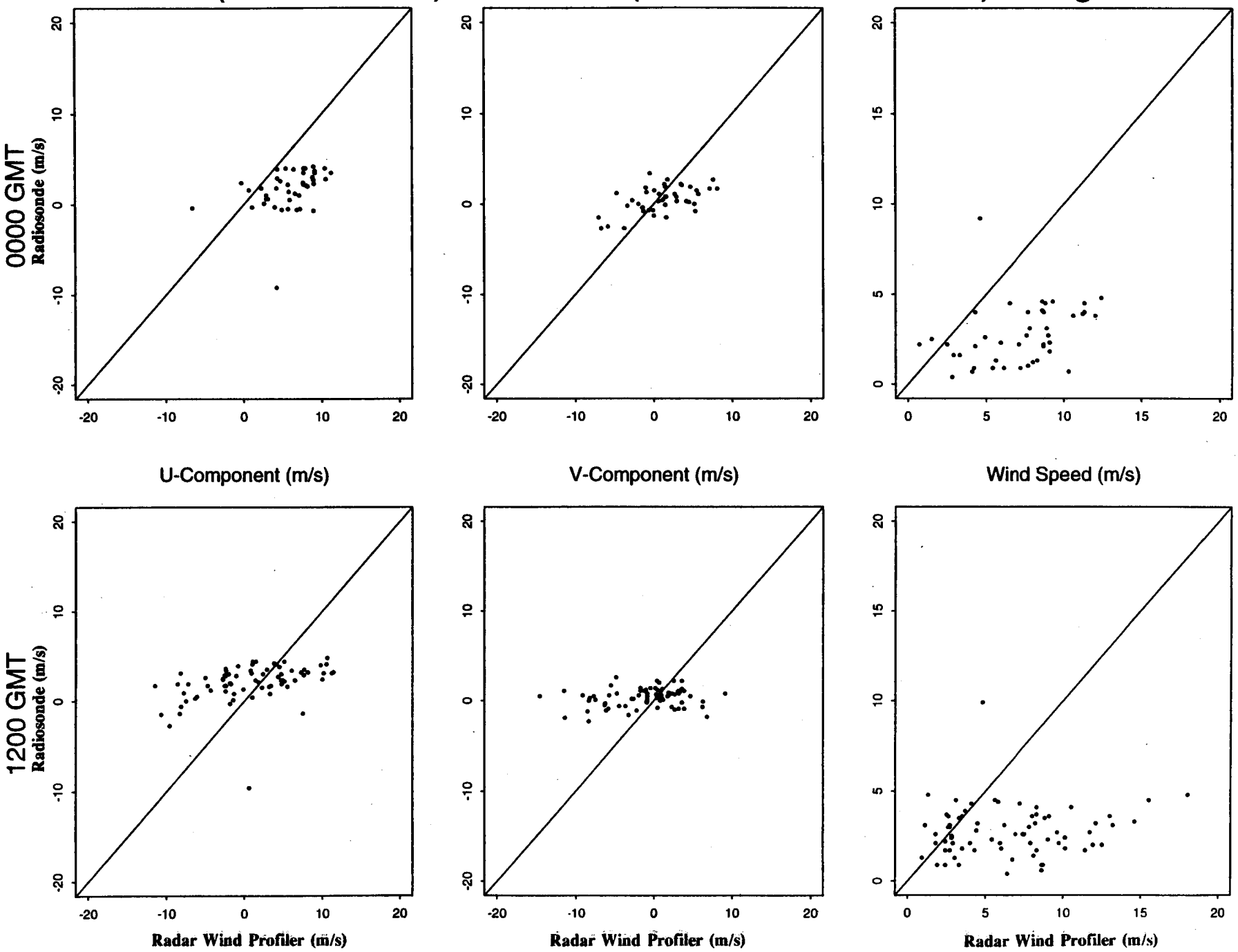




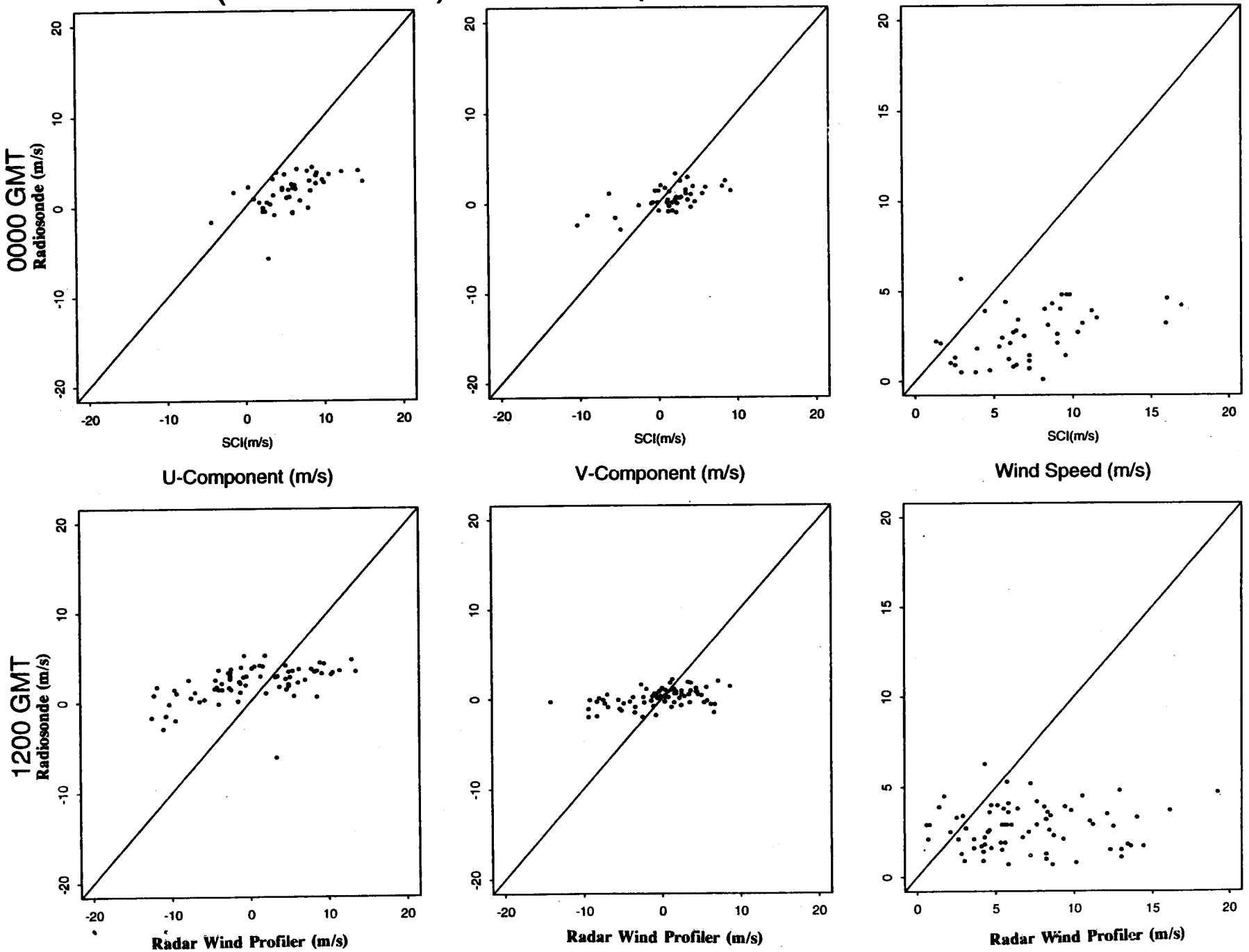
Appendix A3

SCATTER PLOTS OF U AND V WIND COMPONENTS AND WIND SPEEDS AND HISTOGRAMS OF DIFFERENCES BETWEEN U AND V WIND COMPONENT, WIND SPEED, AND WIND DIRECTION DATA FOR UNEDITED RADAR WIND PROFILER (RWP) WIND DATA FOR THE MOJAVE (MOJ) PROFILER SITE WITH THE EDWARDS RADIOSONDE DATA

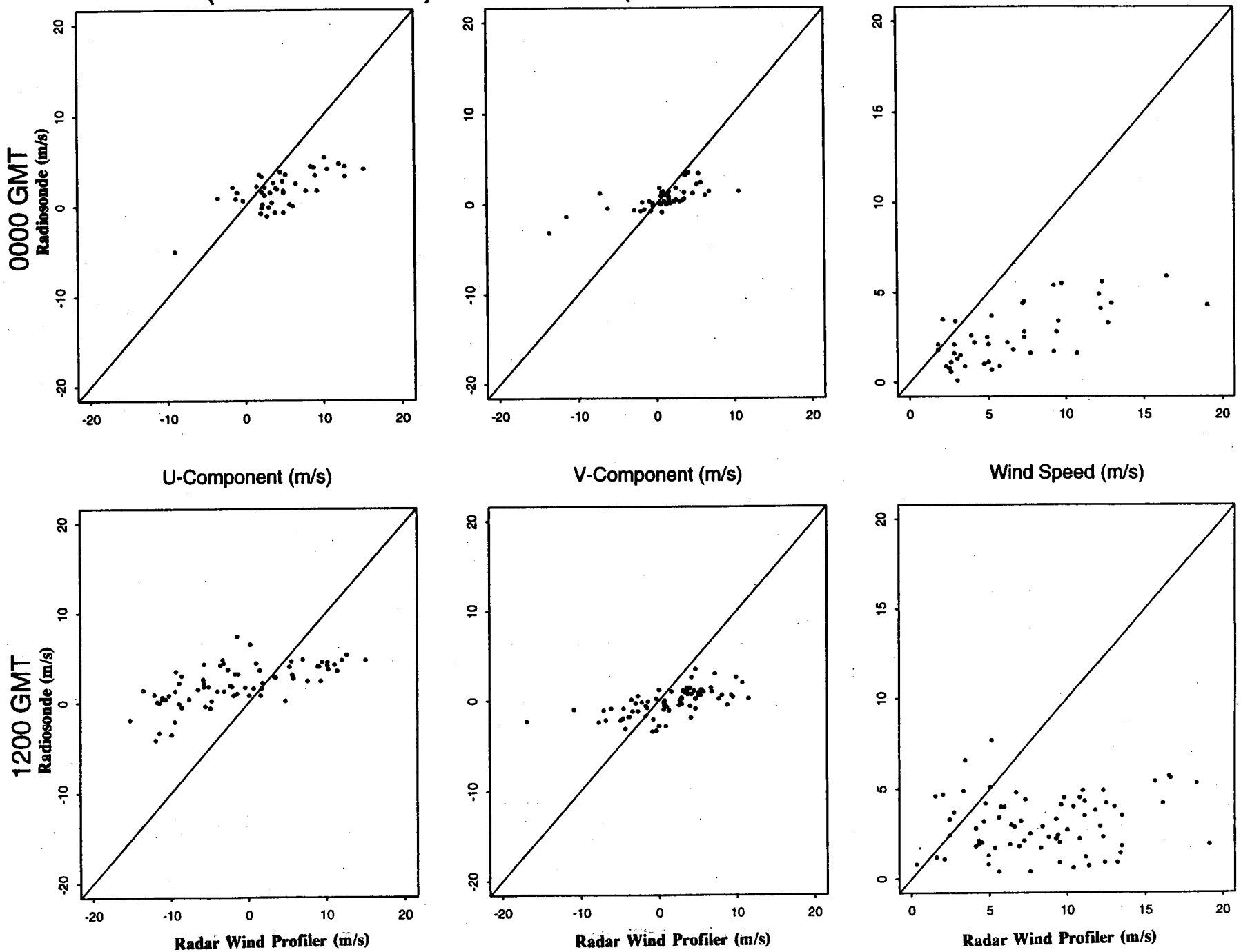
EDWR (Radiosonde) vs MOJR (Radar Wind Profiler), Height=100M



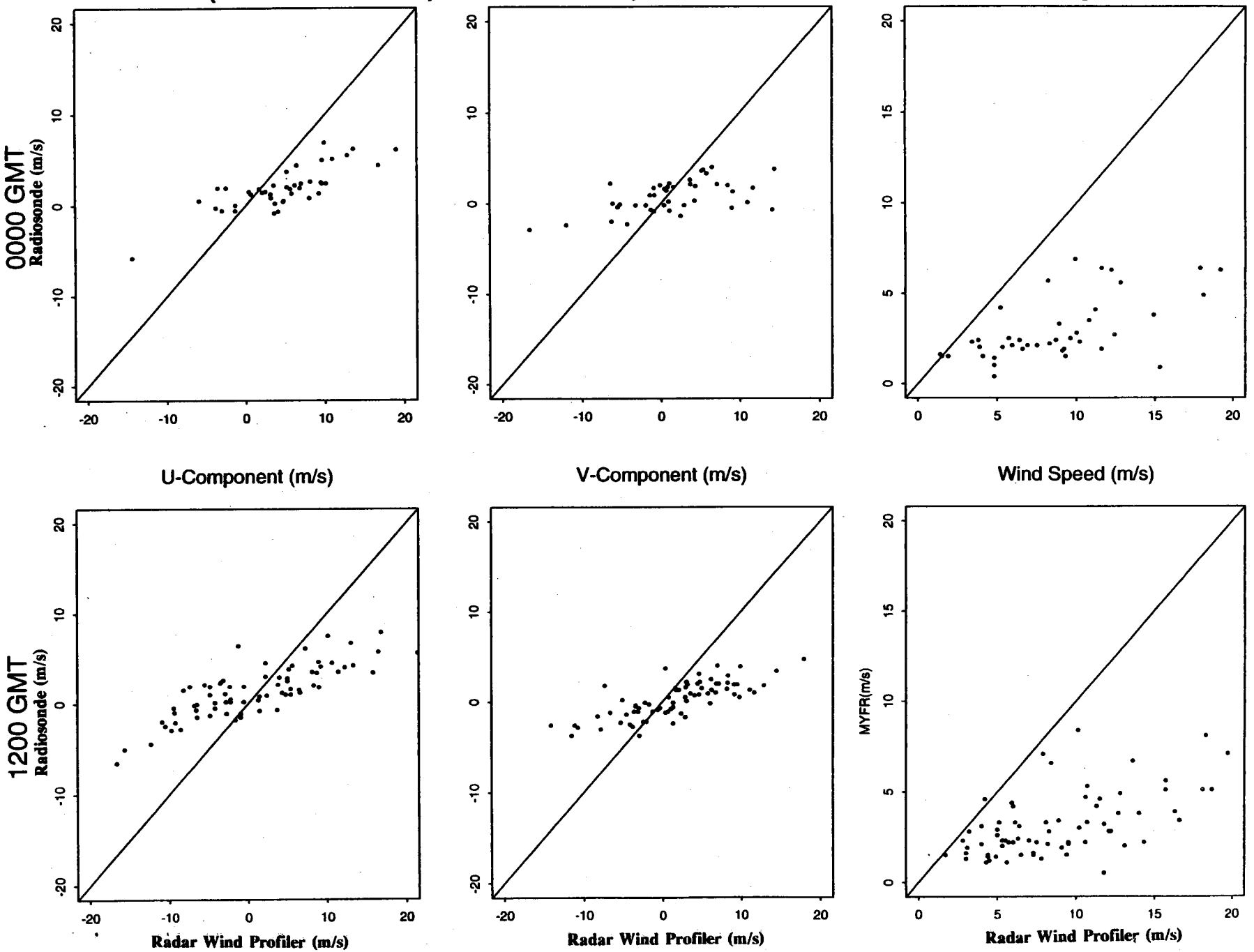
EDWR (Radiosonde) vs MOJR (Radar Wind Profiler), Height=300M



EDWR (Radiosonde) vs MOJR (Radar Wind Profiler), Height=1000M

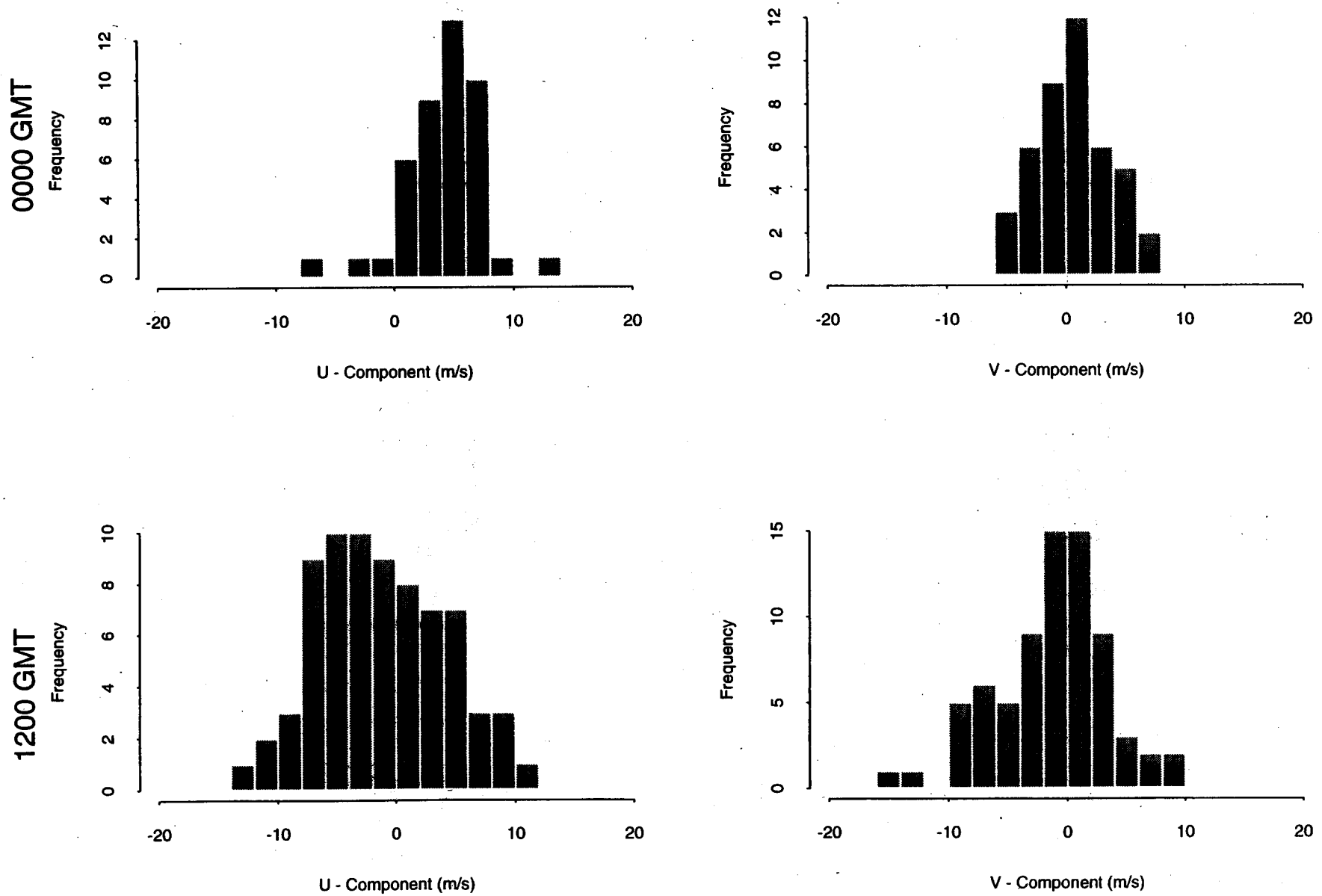


EDWR (Radiosonde) vs MOJR (Radar Wind Profiler), Height=2000M



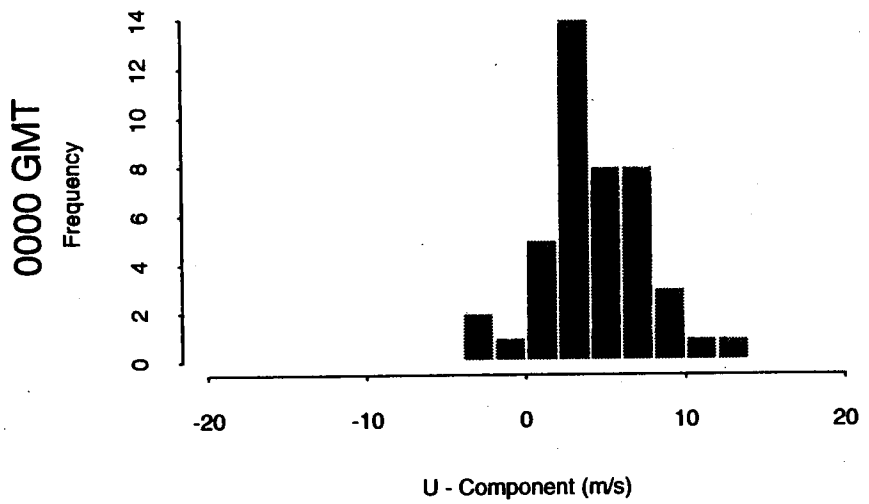
Frequency Distribution of Differences

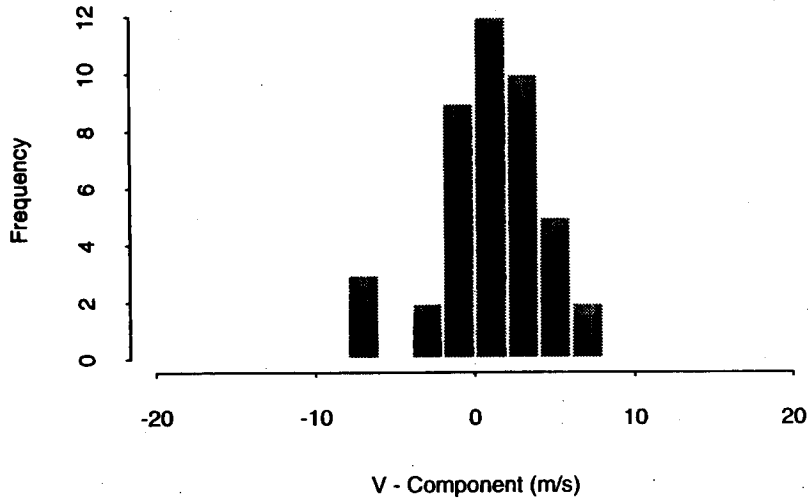
MOJR (Radar Wind Profiler) - EDWR (Radiosonde), 100M

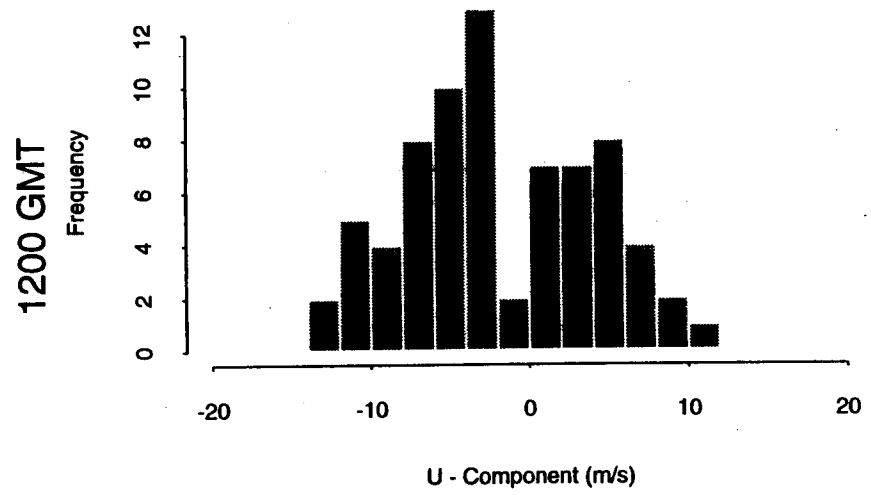


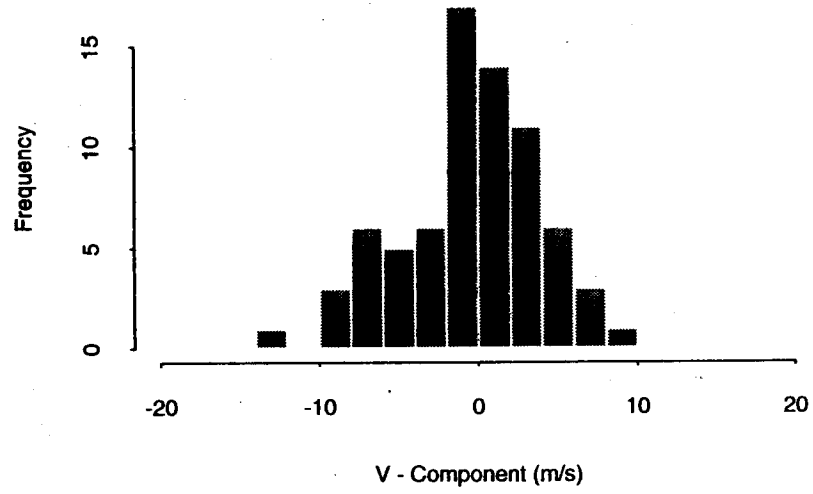
Frequency Distribution of Differences

MOJR (Radar Wind Profiler) - EDWR (Radiosonde), 300M



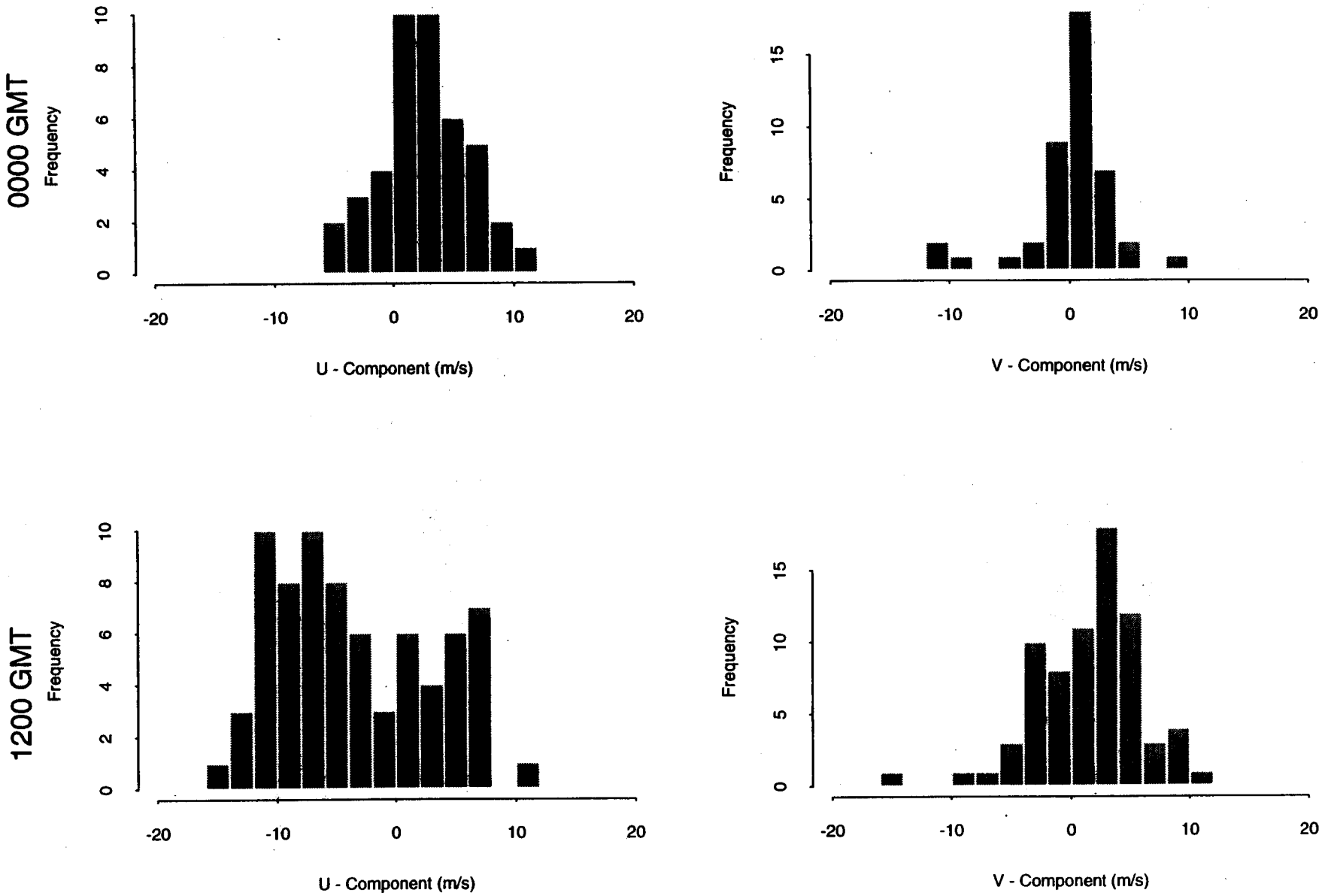






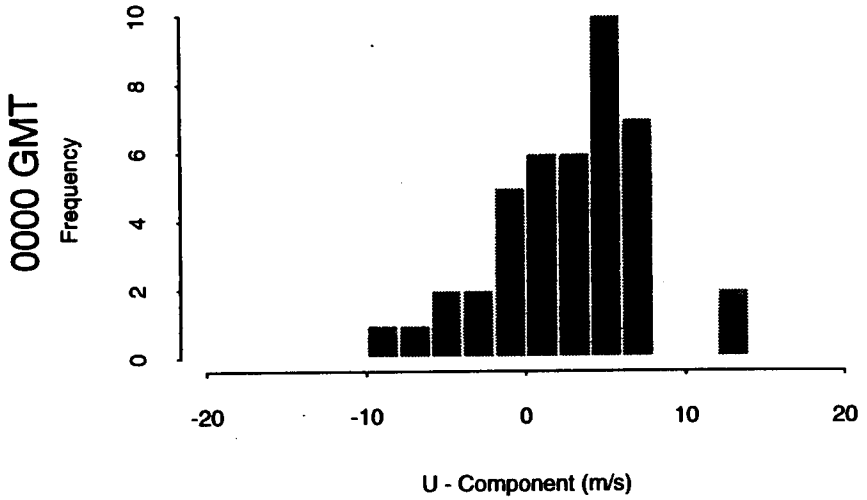
Frequency Distribution of Differences

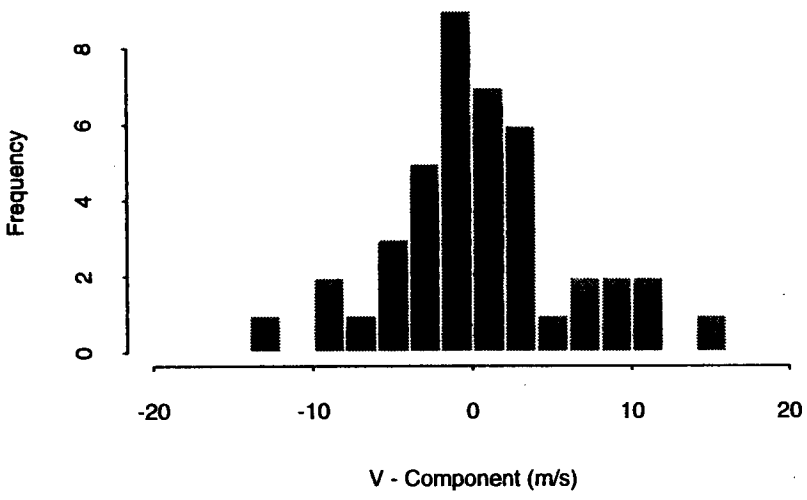
MOJR (Radar Wind Profiler) - EDWR (Radiosonde), 1000M

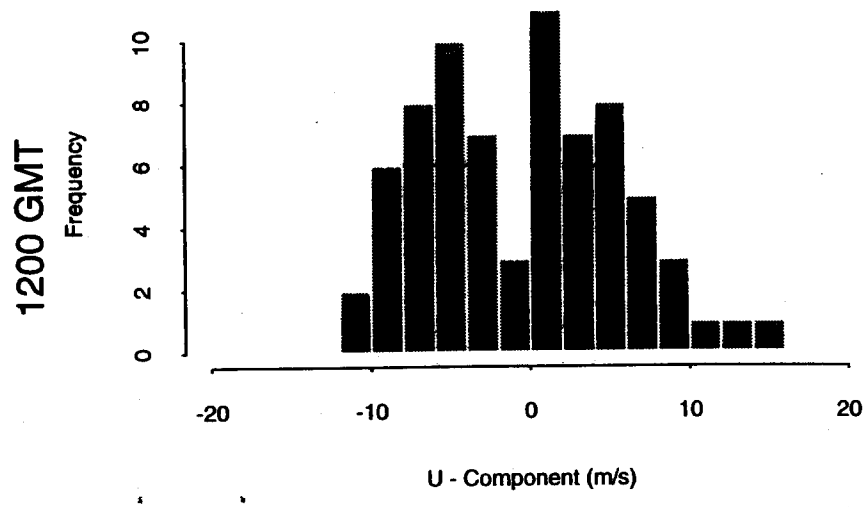


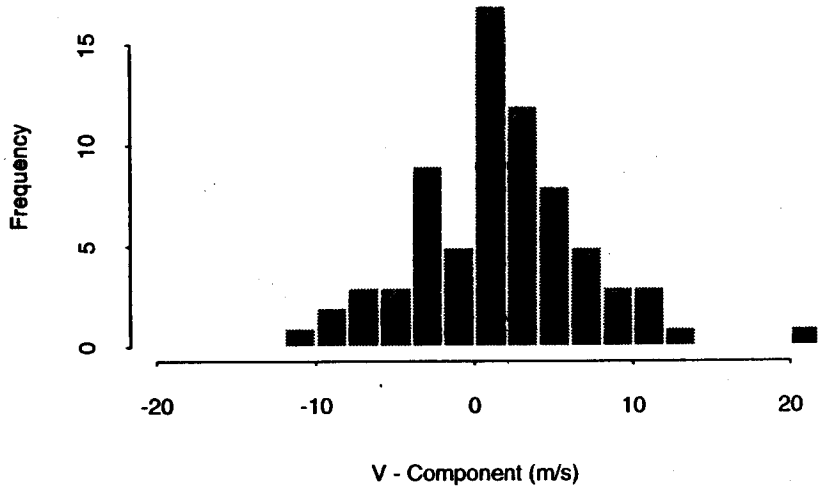
Frequency Distribution of Differences

MOJR (Radar Wind Profiler) - EDWR (Radiosonde), 2000M



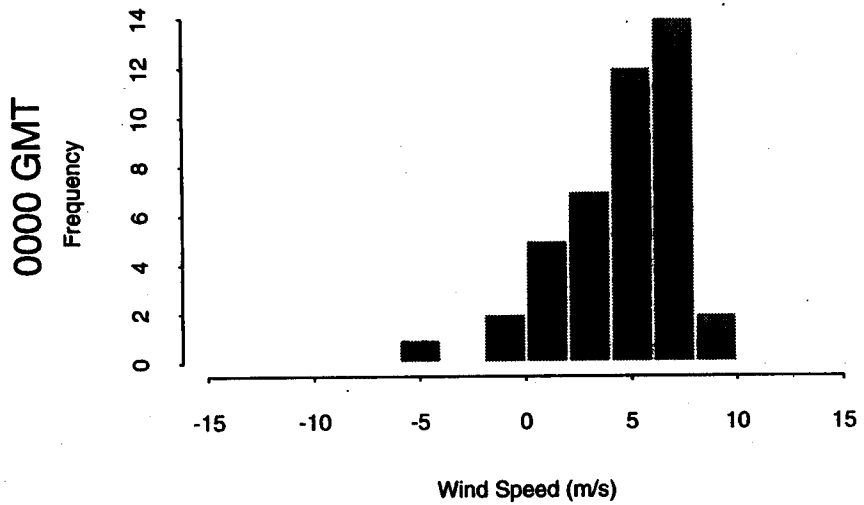


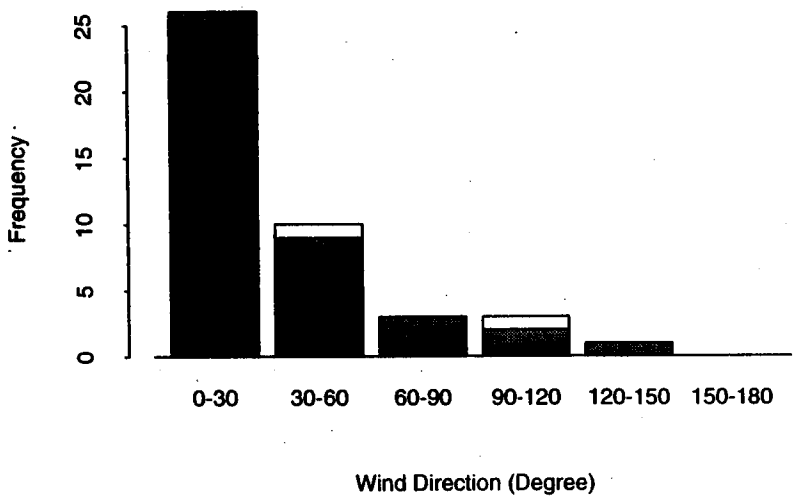


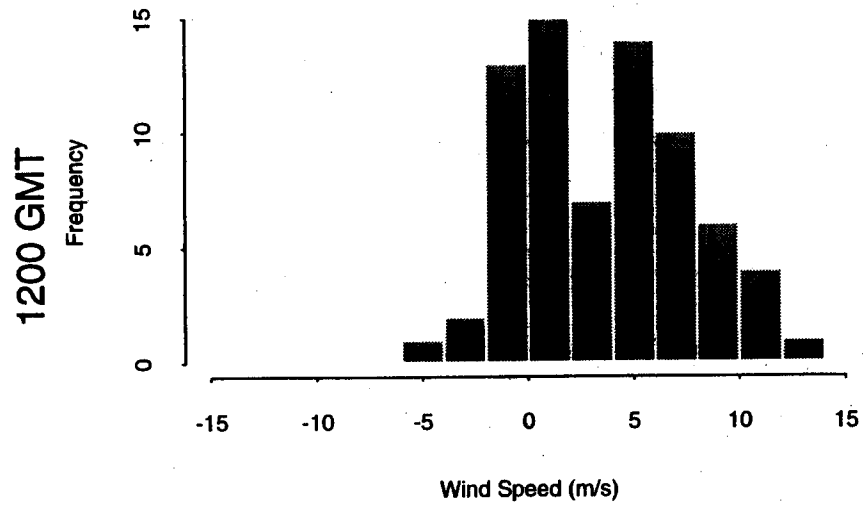


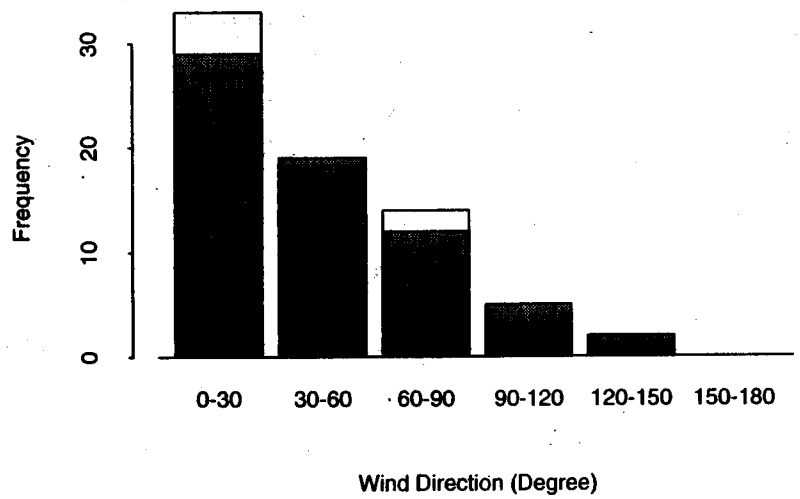
Frequency Distribution of Differences

MOJR (Radar Wind Profiler) - EDWR (Radiosonde), 100M



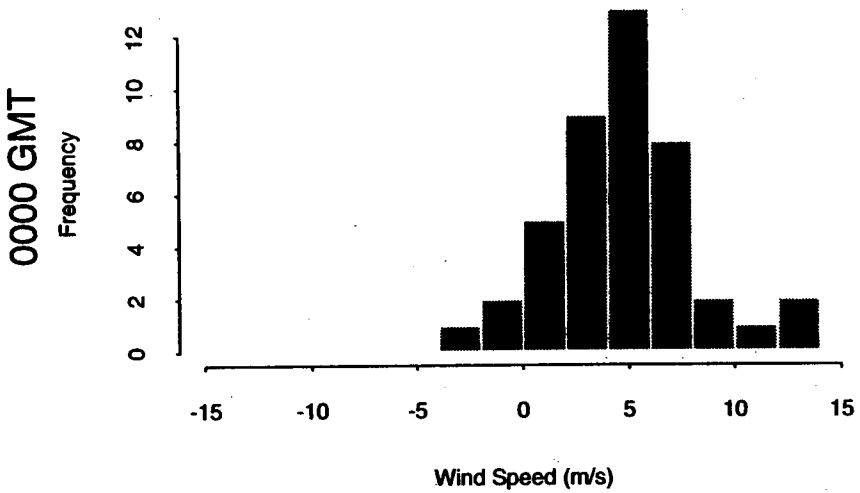


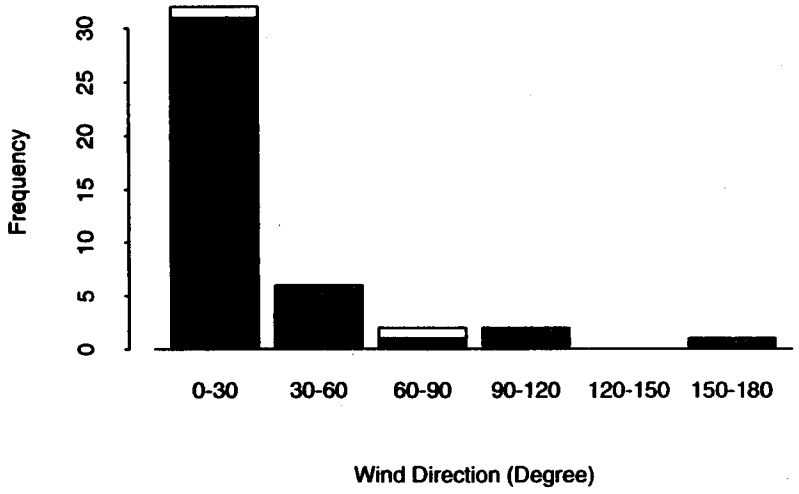


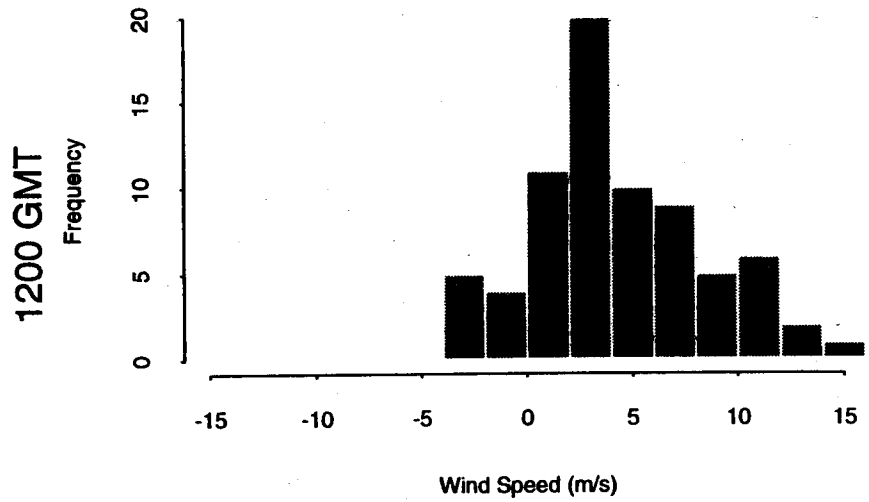


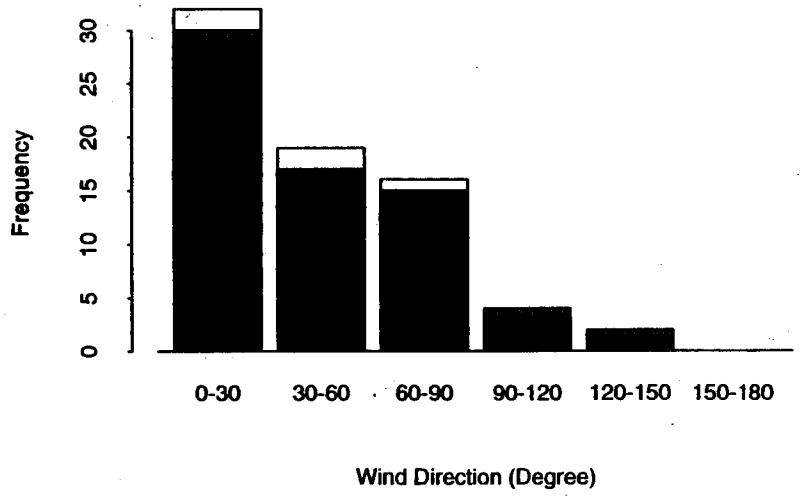
Frequency Distribution of Differences

MOJR (Radar Wind Profiler) - EDWR (Radiosonde), 300M



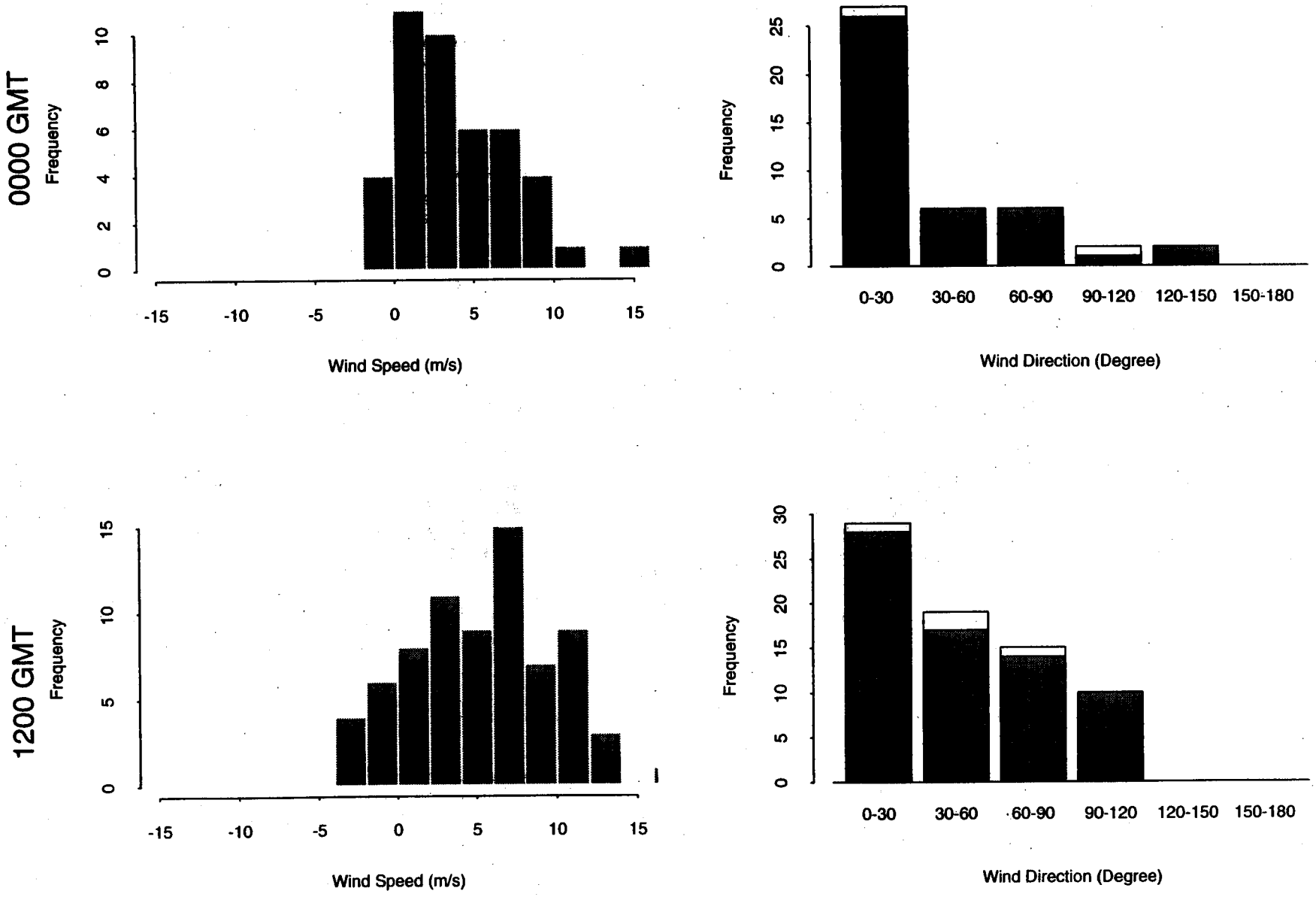






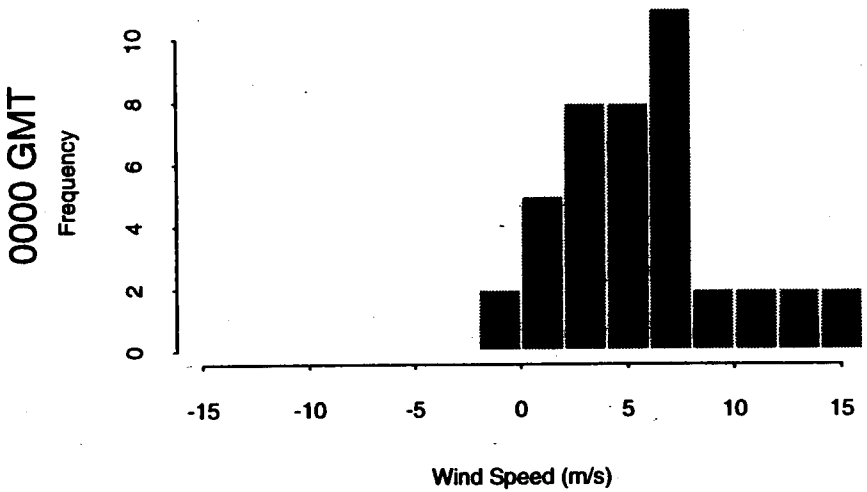
Frequency Distribution of Differences

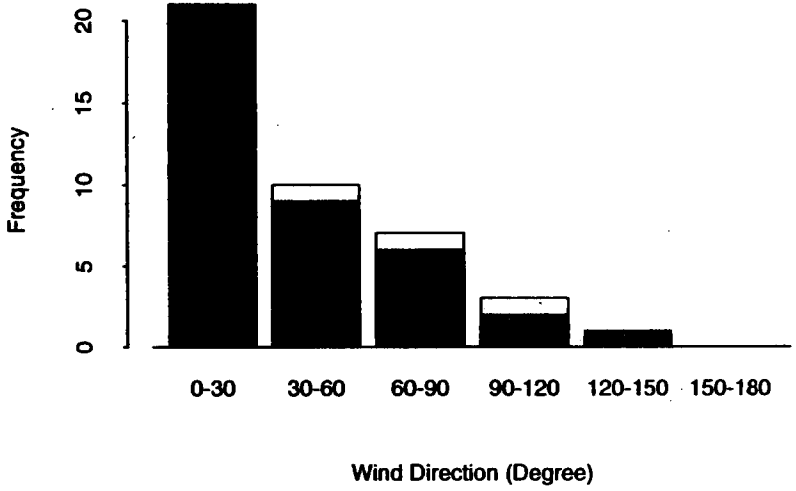
MOJR (Radar Wind Profiler) - EDWR (Radiosonde), 1000M

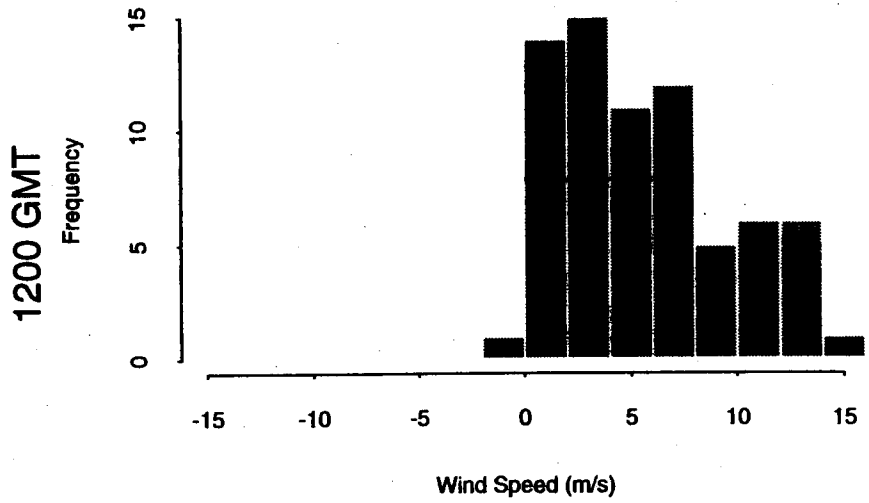


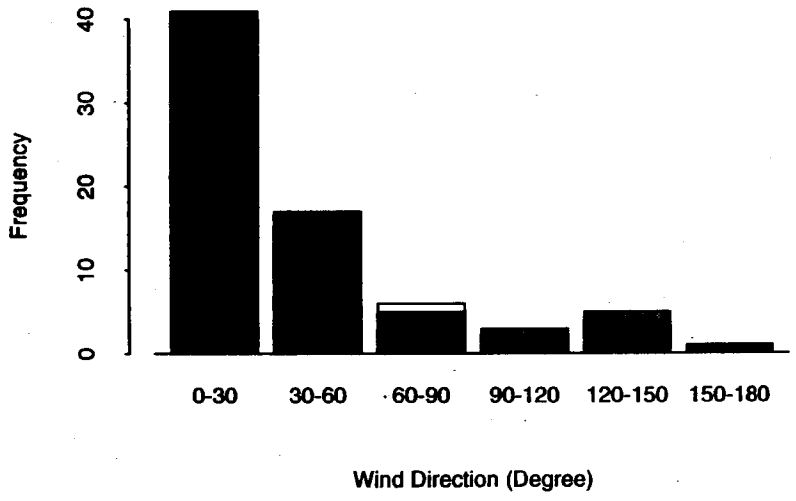
Frequency Distribution of Differences

MOJR (Radar Wind Profiler) - EDWR (Radiosonde), 2000M





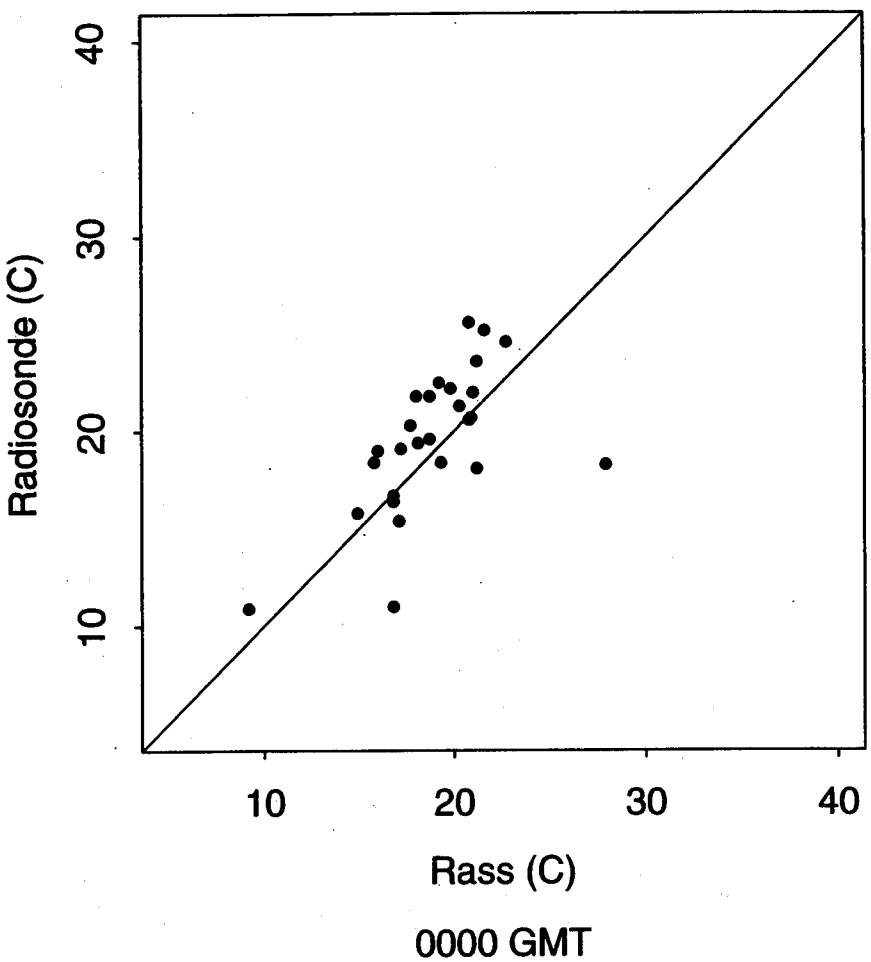


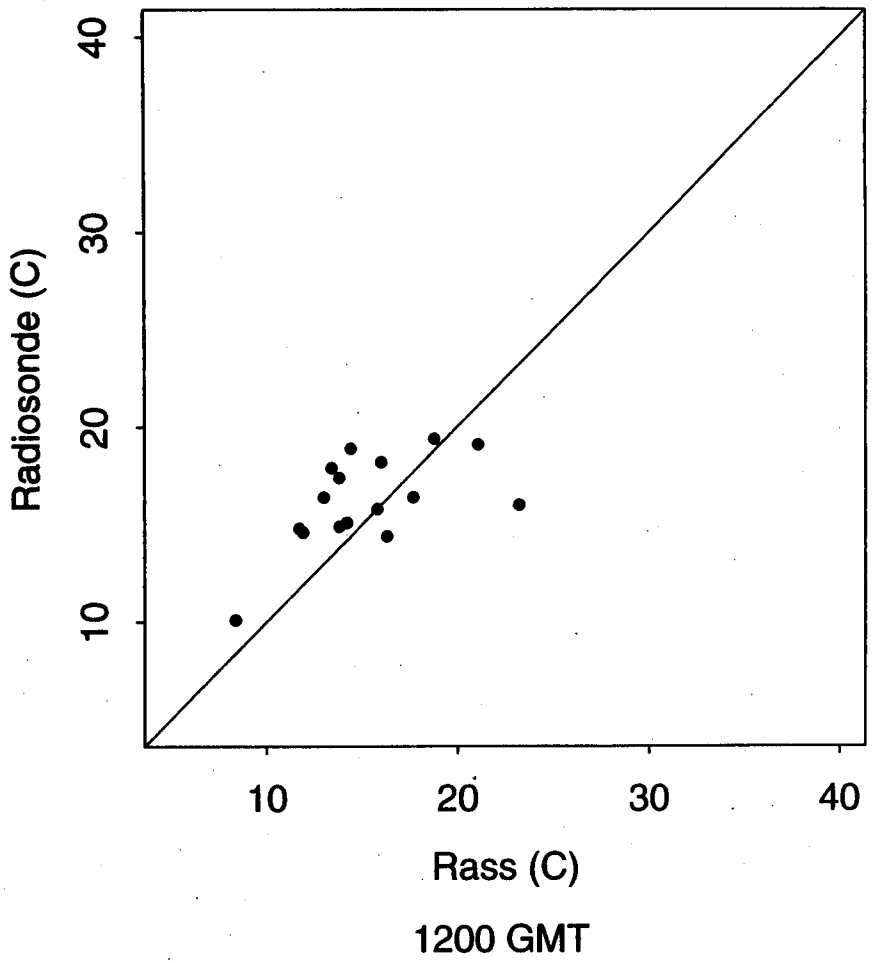


Appendix A4

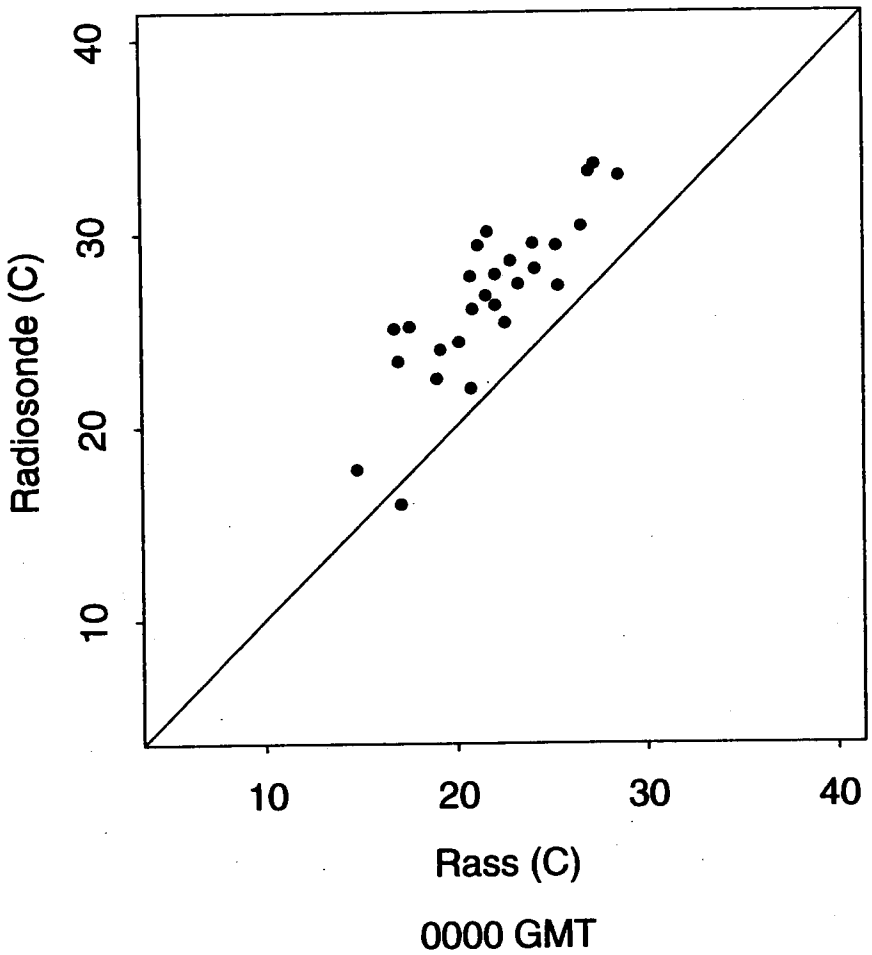
SCATTER PLOTS OF VIRTUAL TEMPERATURE FOR RASS AND RADIOSONDE SITE PAIRS AND HISTOGRAMS OF THE DIFFERENCES FOR MONITORING SITES LOCATED IN THE SOUTHEAST DESERT AIR BASIN (SEDAB)

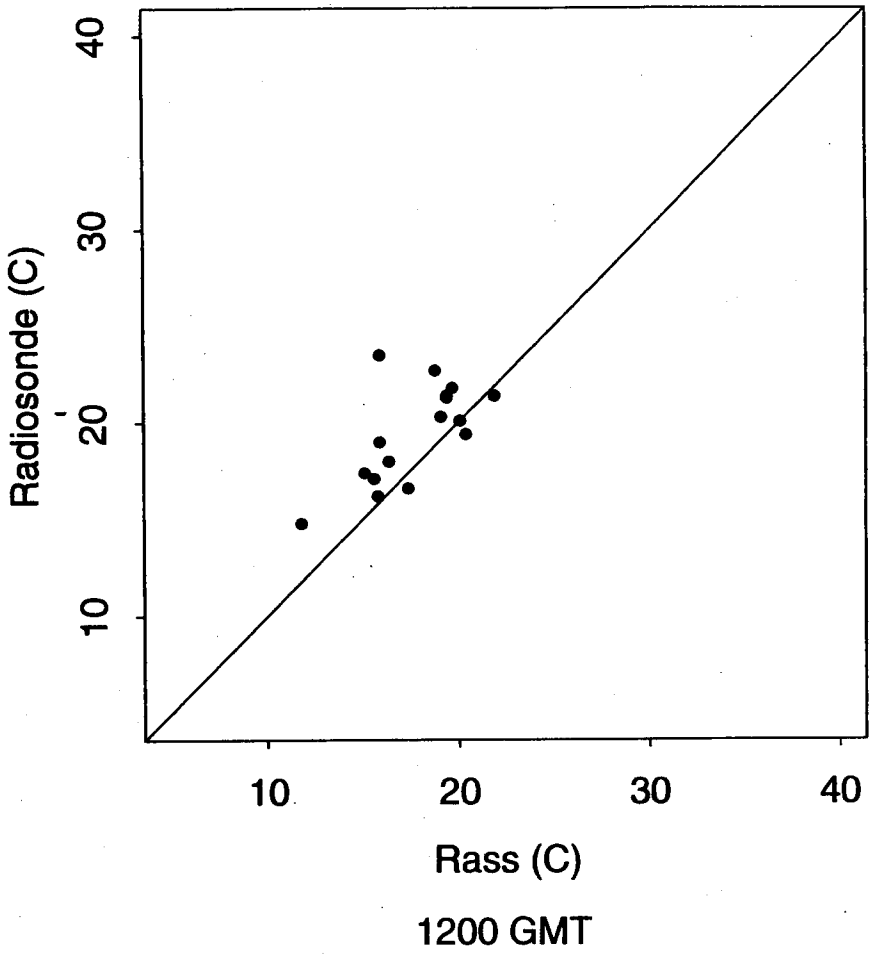
EDWR (Radiosonde) vs HES (RASS), Height=1000M





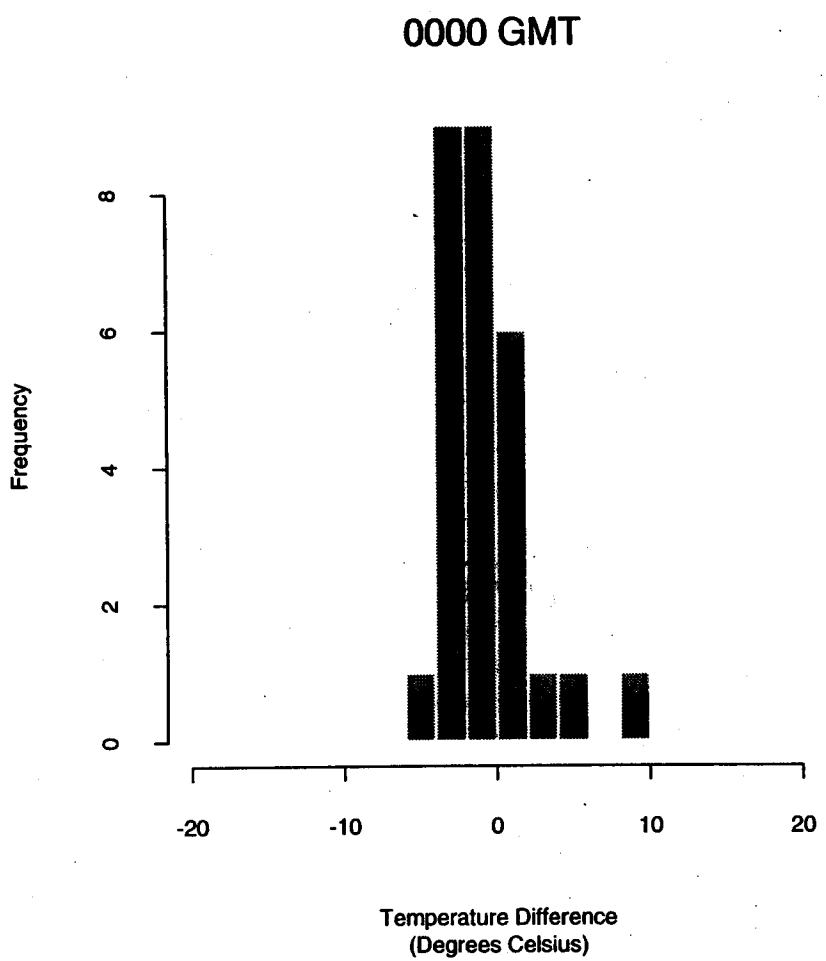
EDWR (Radiosonde) vs HES (RASS), Height=300 M

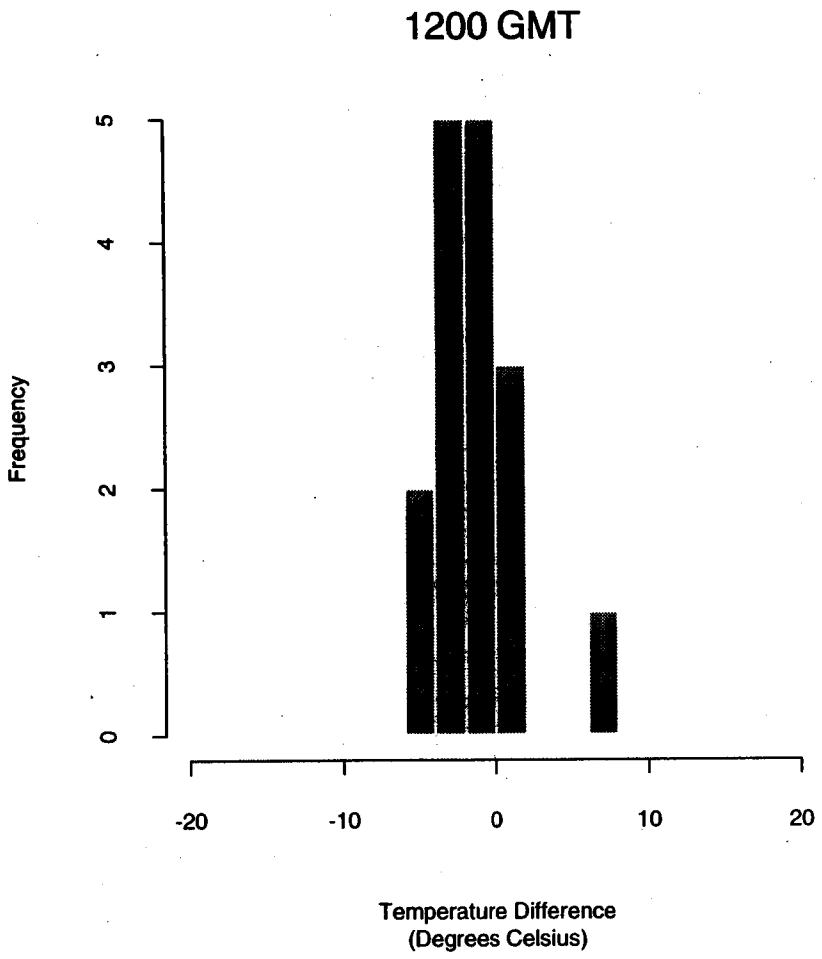




Frequency Distribution of Differences

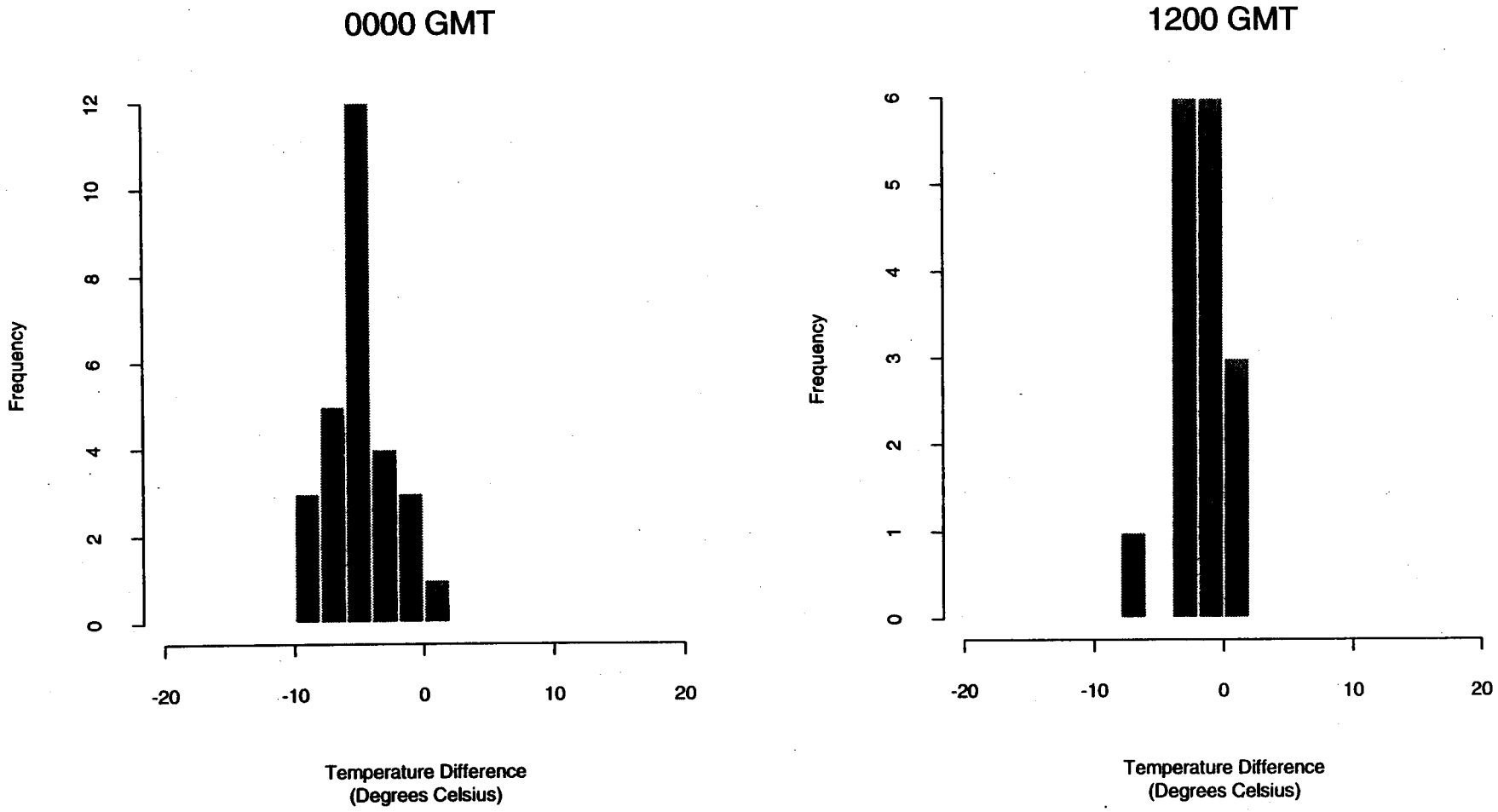
HES(RASS) - EDWR(Radiosonde), 1000M





Frequency Distribution of Differences

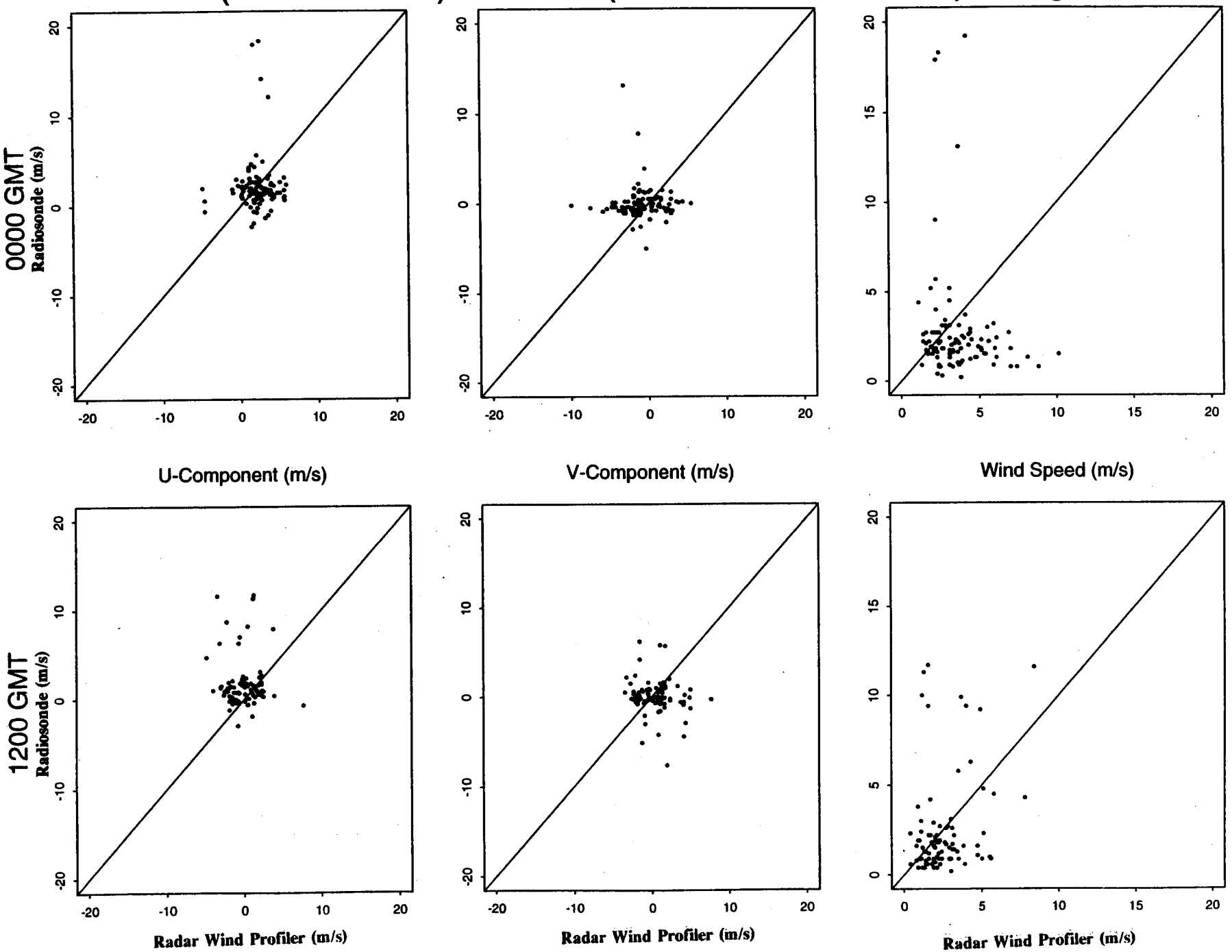
HES(RASS) - EDWR(Radiosonde), 300M



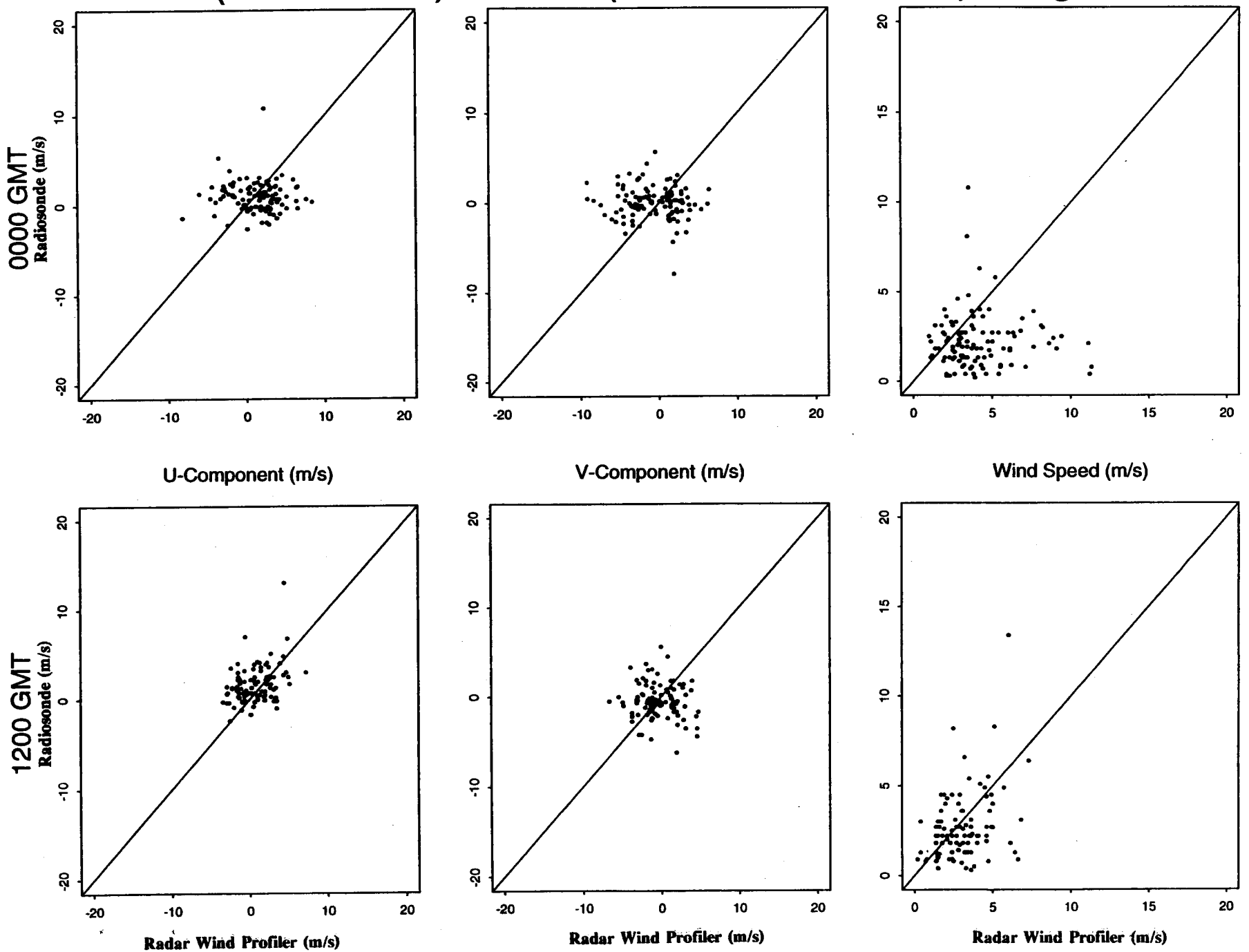
Appendix B1

SCATTER PLOTS OF U AND V WIND COMPONENTS AND WIND SPEEDS AND HISTOGRAMS OF DIFFERENCES BETWEEN U AND V WIND COMPONENT, WIND SPEED, AND WIND DIRECTION DATA FOR RADAR WIND PROFILER (RWP) AND RADIOSONDE SITE PAIRS LOCATED IN THE SAN DIEGO AIR BASIN (SDAB)

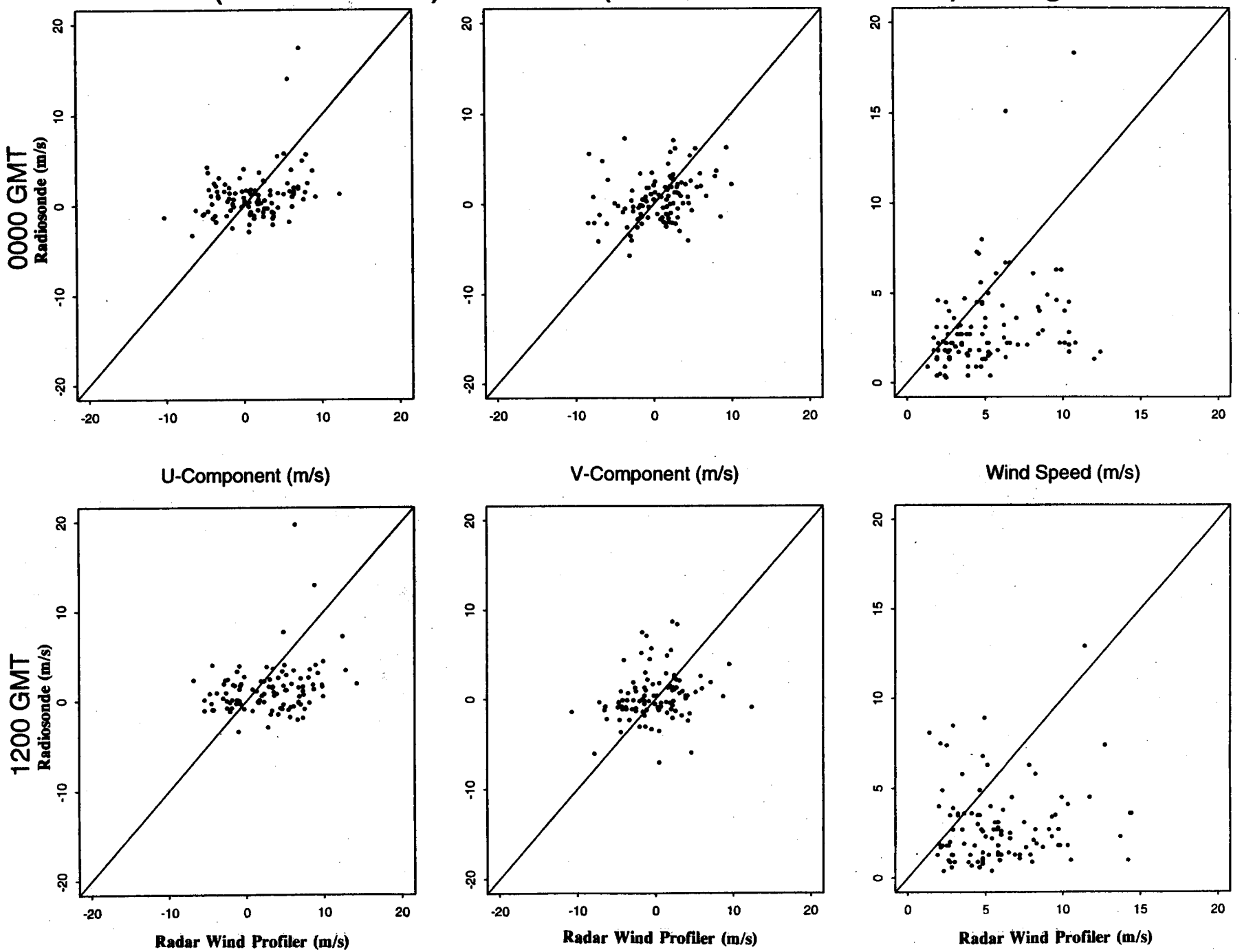
MYFR (Radiosonde) vs SDO (Radar Wind Profiler), Height=300M



MYFR (Radiosonde) vs SDO (Radar Wind Profiler), Height=1000M

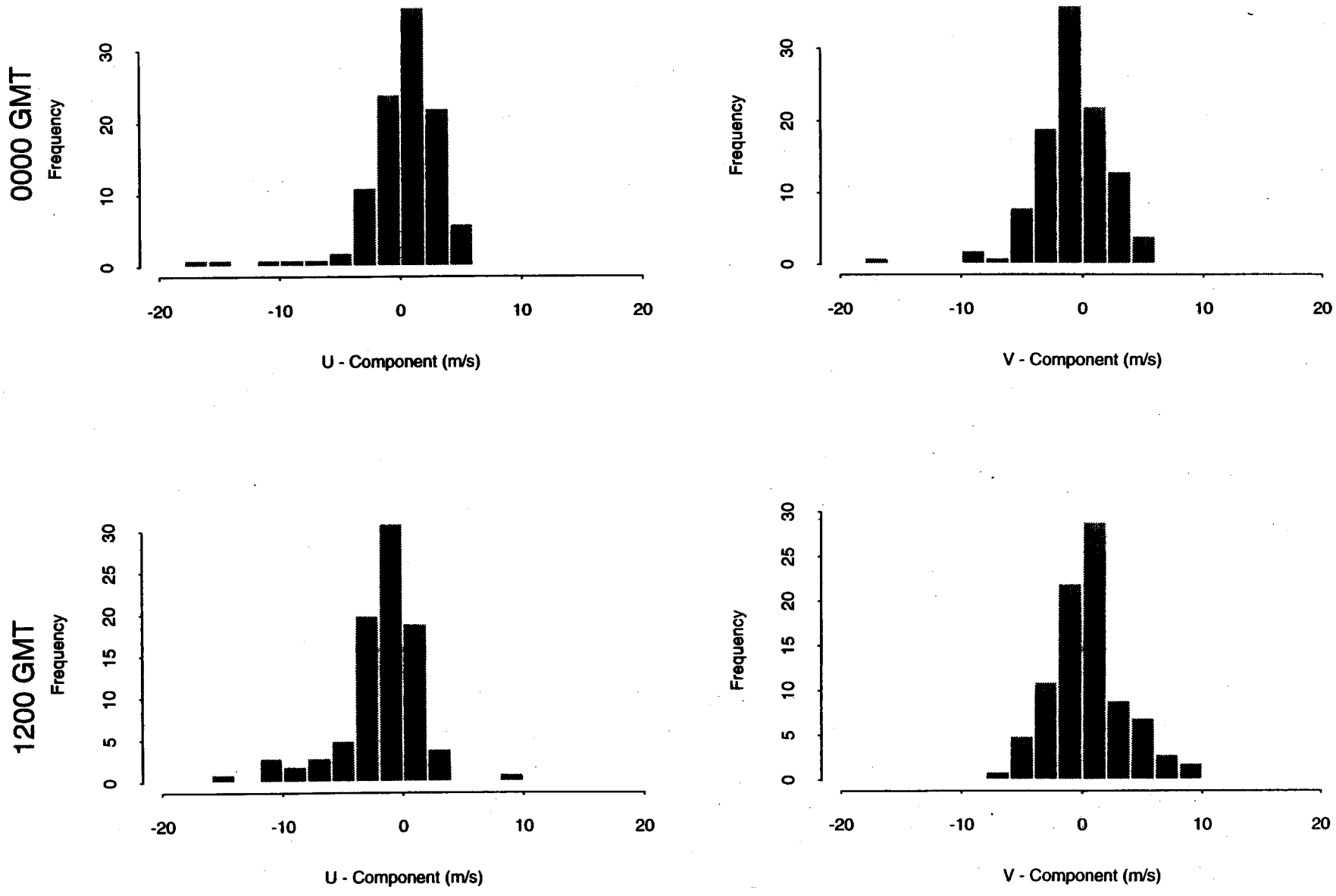


MYFR (Radiosonde) vs SDO (Radar Wind Profiler), Height=2000M



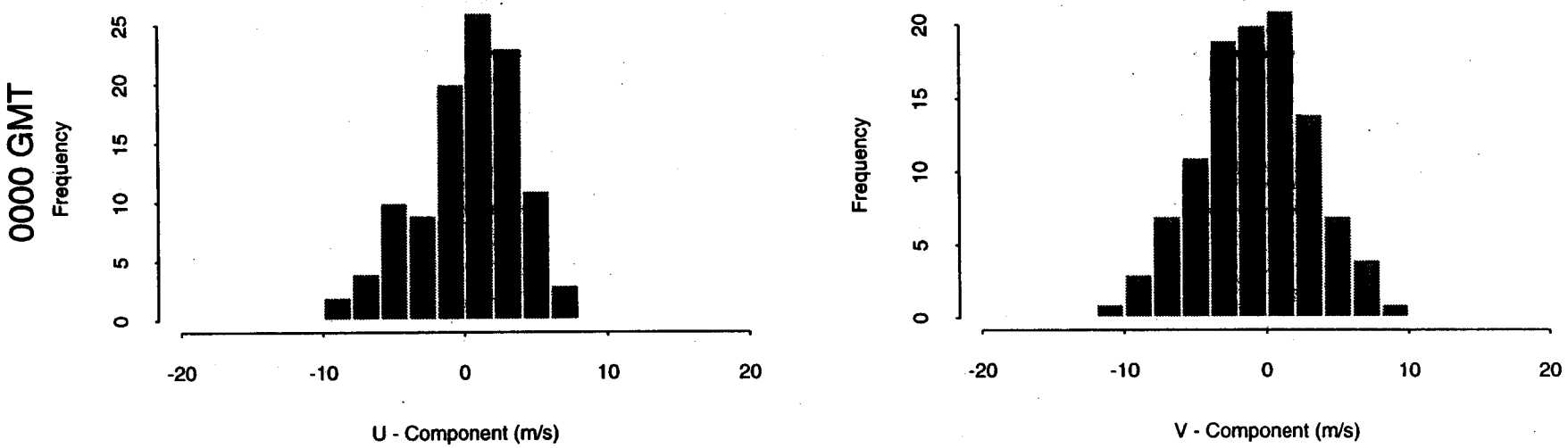
Frequency Distribution of Differences

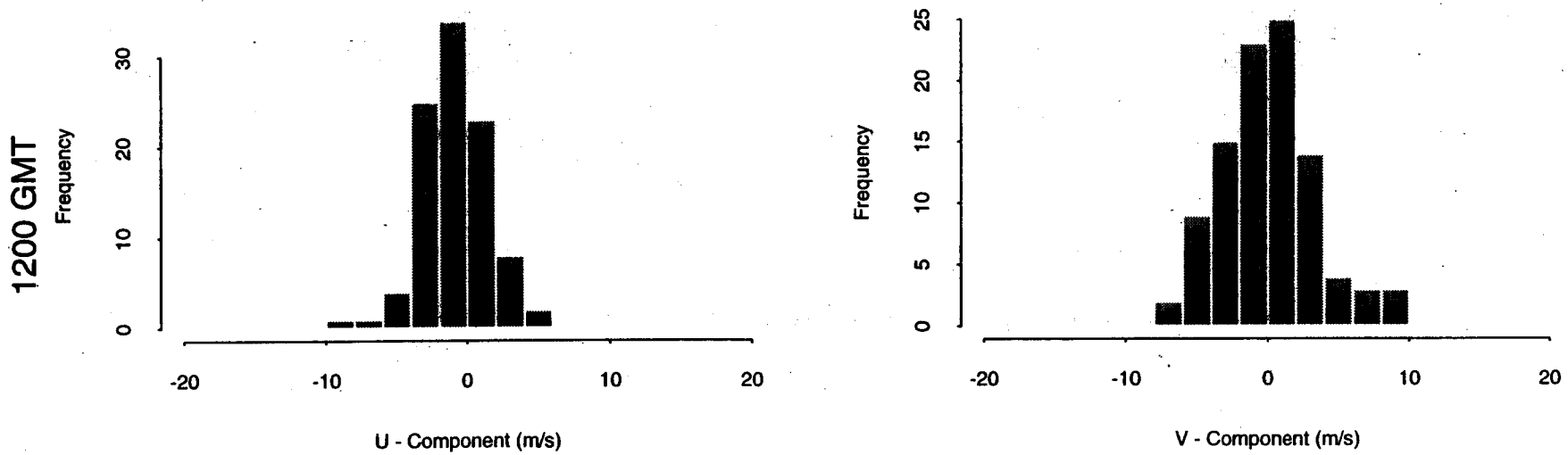
SDO (Radar Wind Profiler) - MYFR (Radiosonde), 300M



Frequency Distribution of Differences

SDO (Radar Wind Profiler) - MYFR (Radiosonde), 1000M

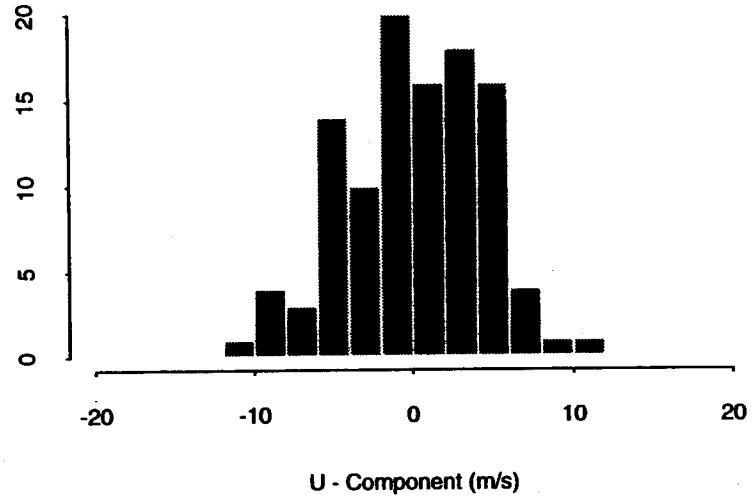


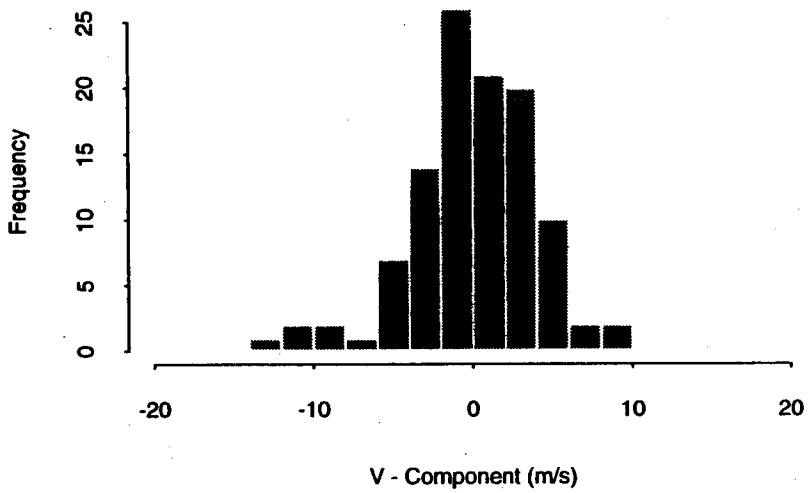


Frequency Distribution of Differences

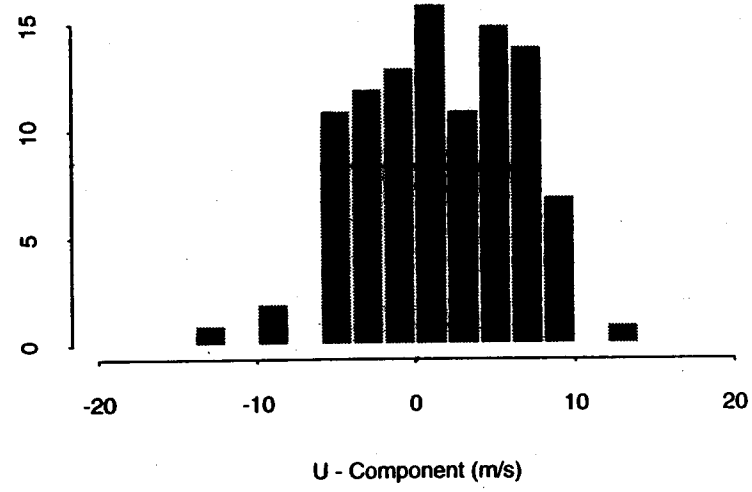
SDO (Radar Wind Profiler) - MYFR (Radiosonde), 2000M

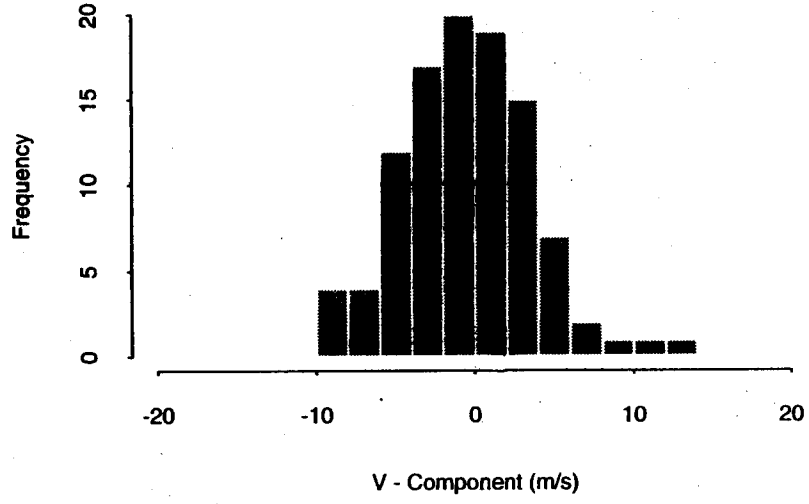
0000 GMT





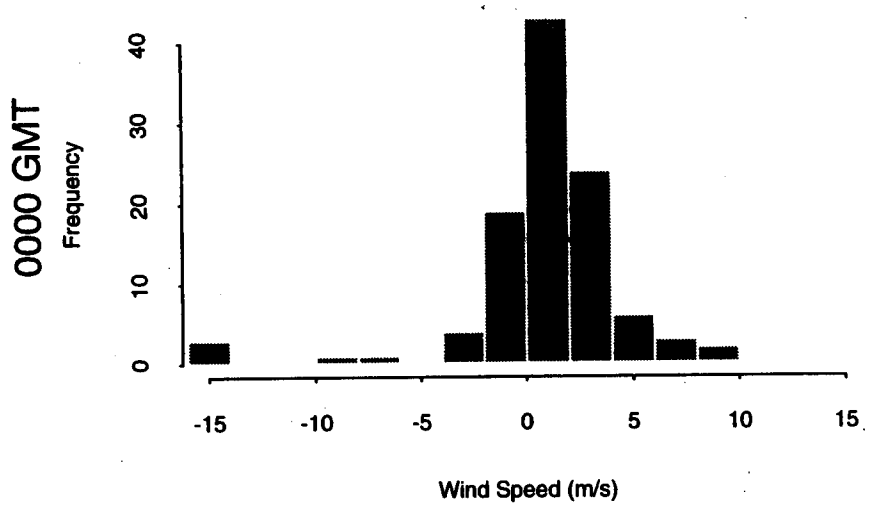
1200 GMT

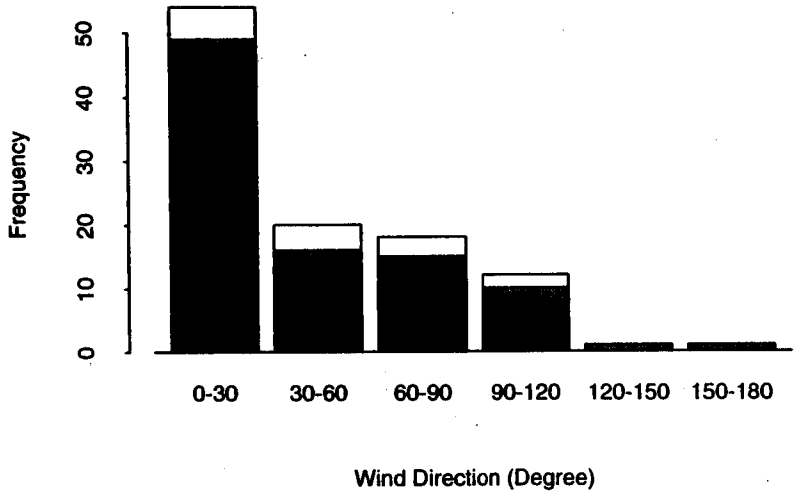


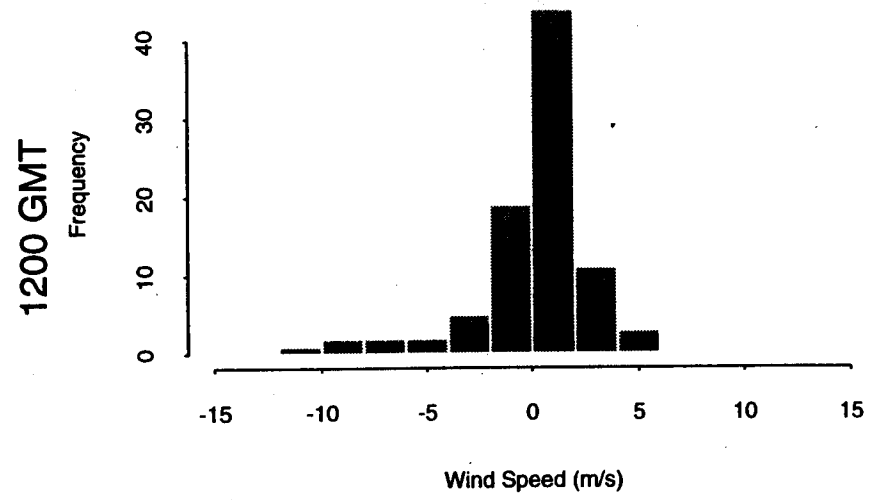


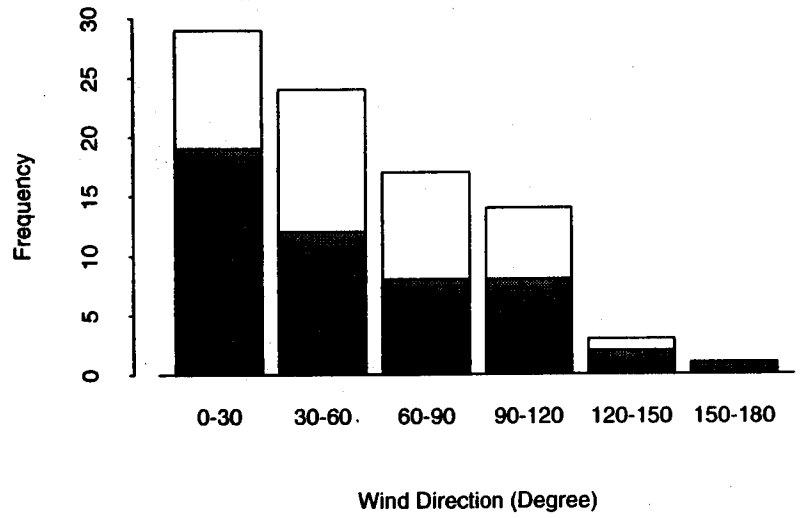
Frequency Distribution of Differences

SDO (Radar Wind Profiler) - MYFR (Radiosonde), 300M



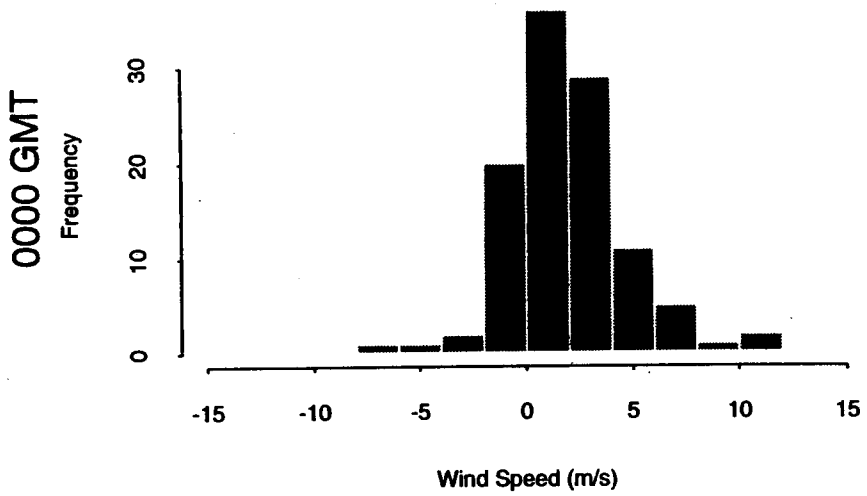


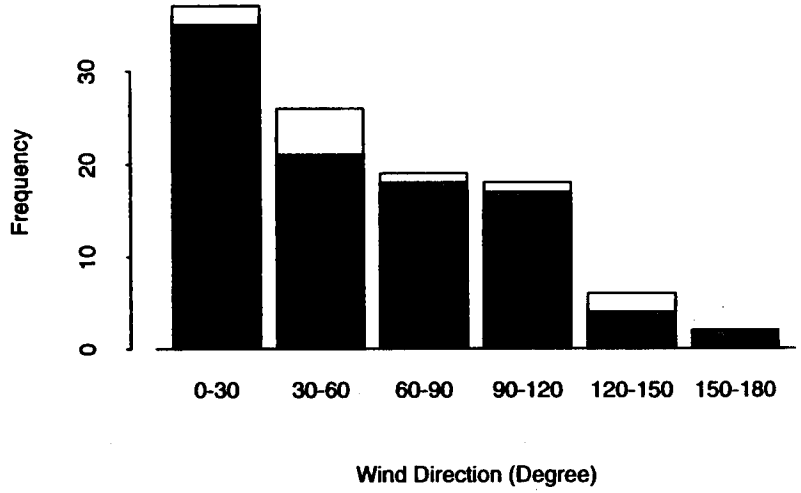


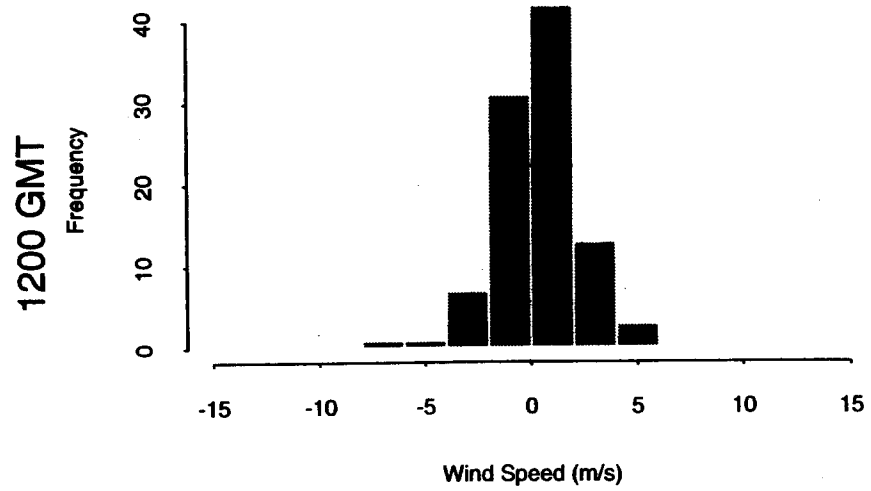


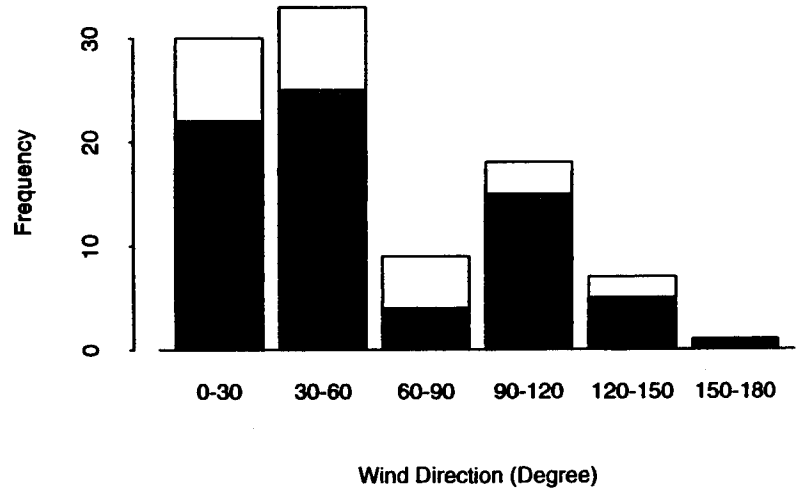
Frequency Distribution of Differences

SDO (Radar Wind Profiler) - MYFR (Radiosonde), 1000M



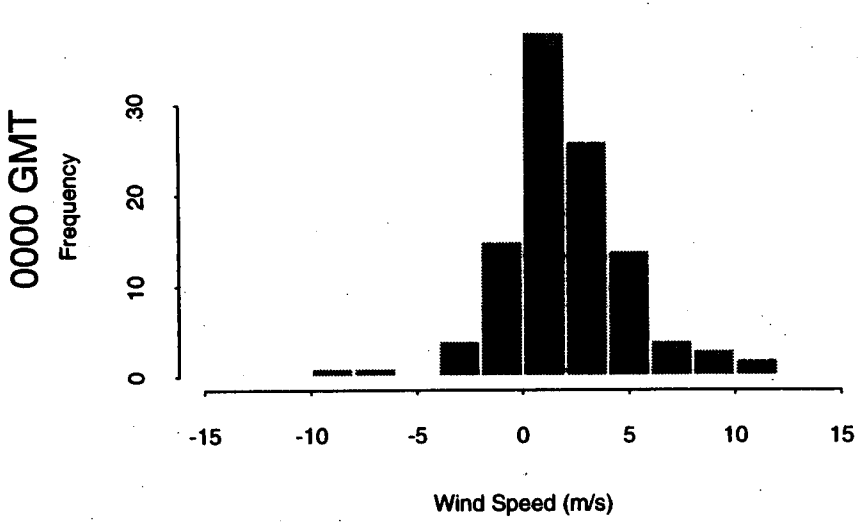


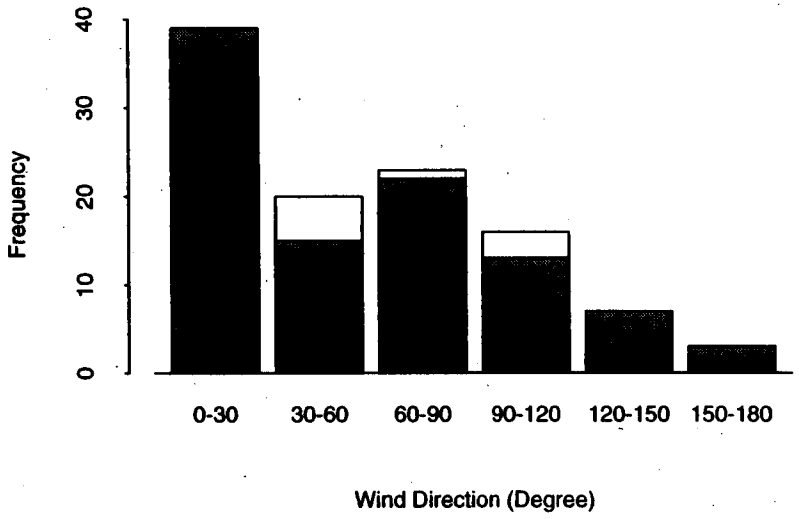


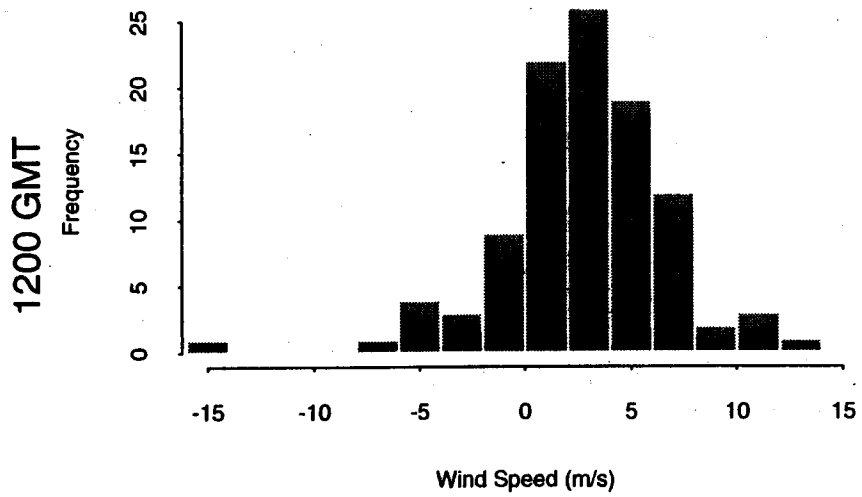


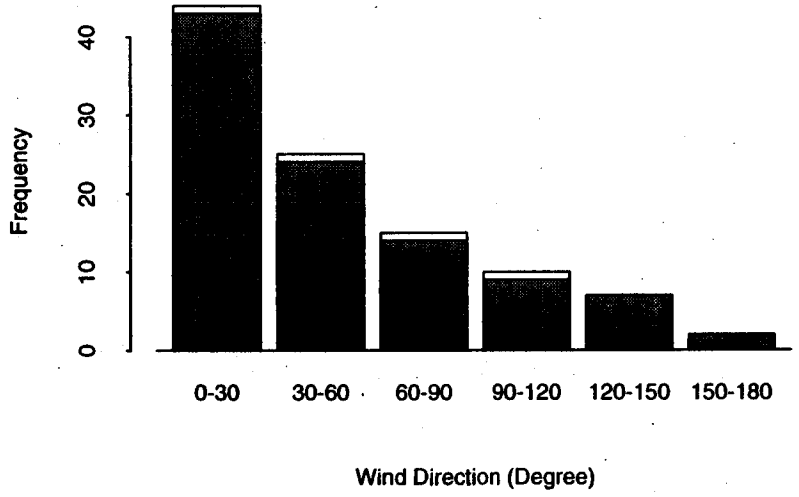
Frequency Distribution of Differences

SDO (Radar Wind Profiler) - MYFR (Radiosonde), 2000M

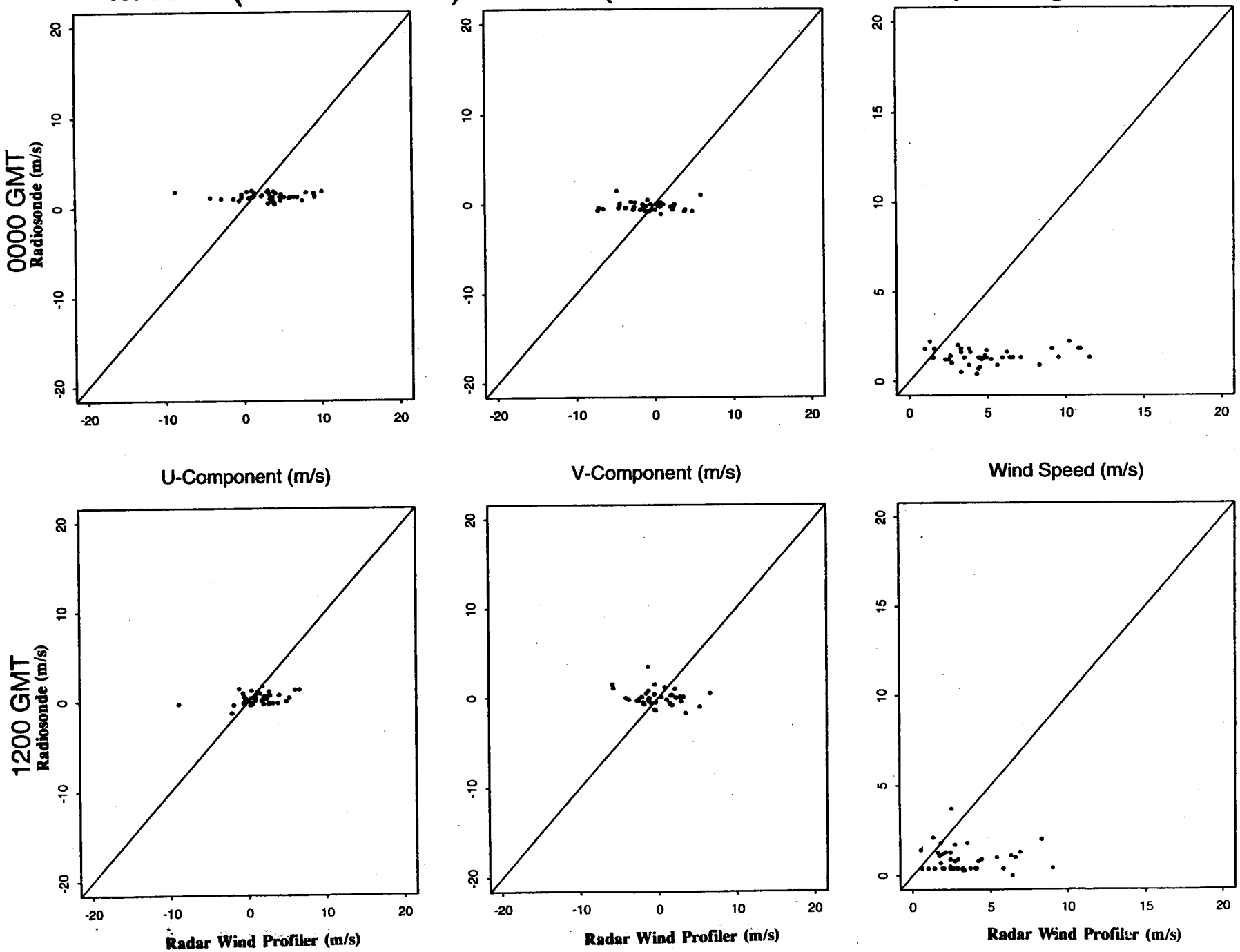




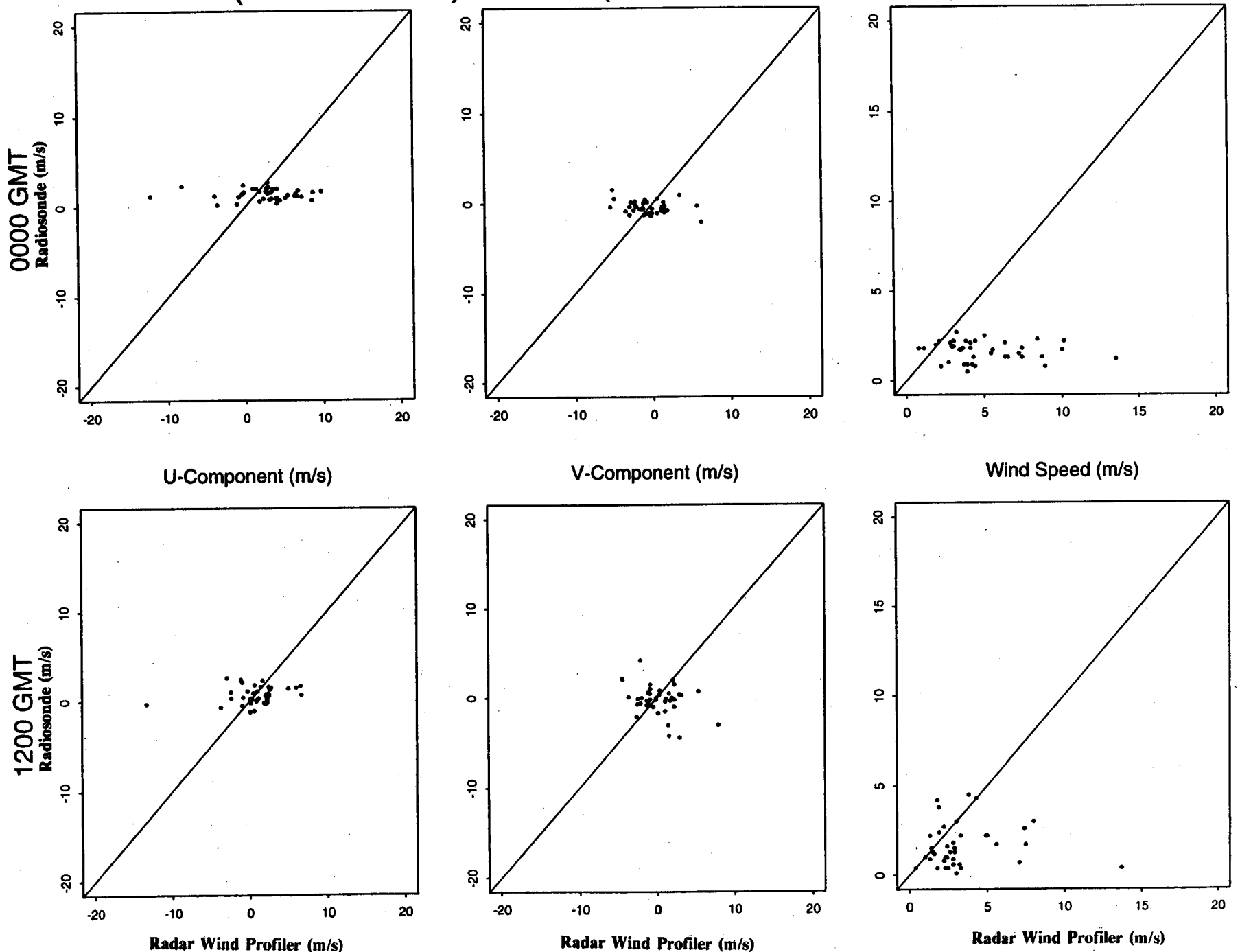




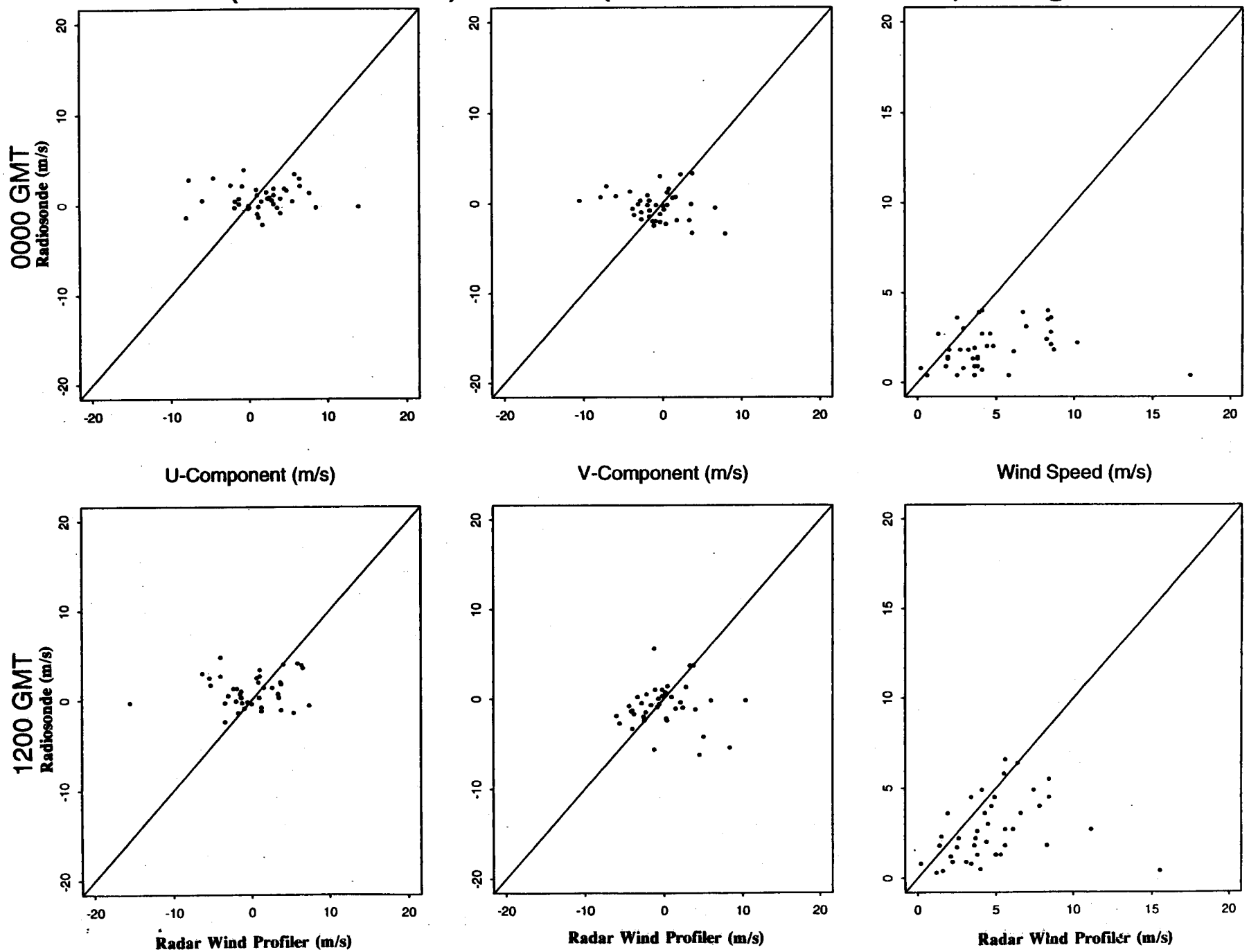
MYFR (Radiosonde) vs SCI (Radar Wind Profiler), Height=100M



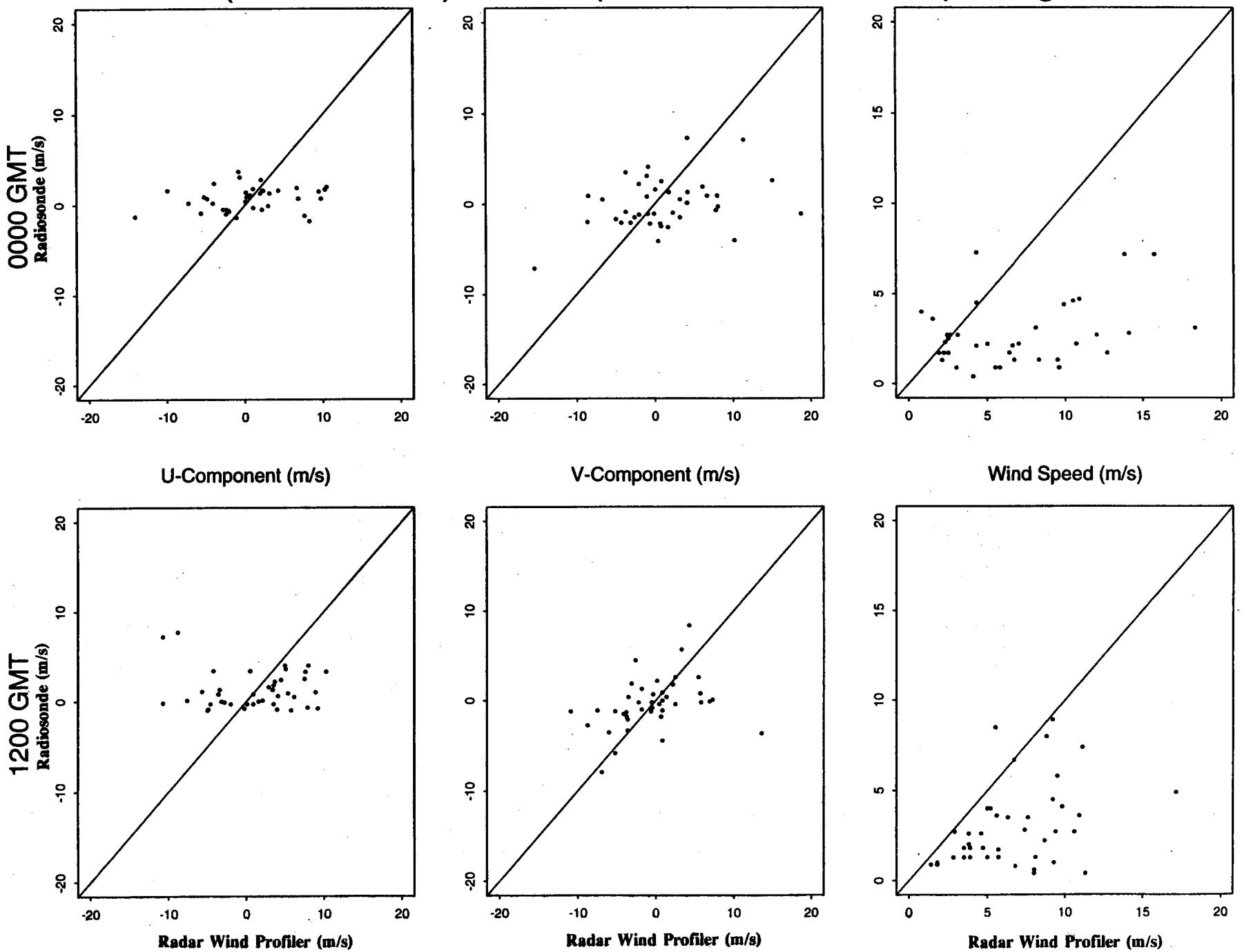
MYFR (Radiosonde) vs SCI (Radar Wind Profiler), Height=300M



MYFR (Radiosonde) vs SCI (Radar Wind Profiler), Height=1000M

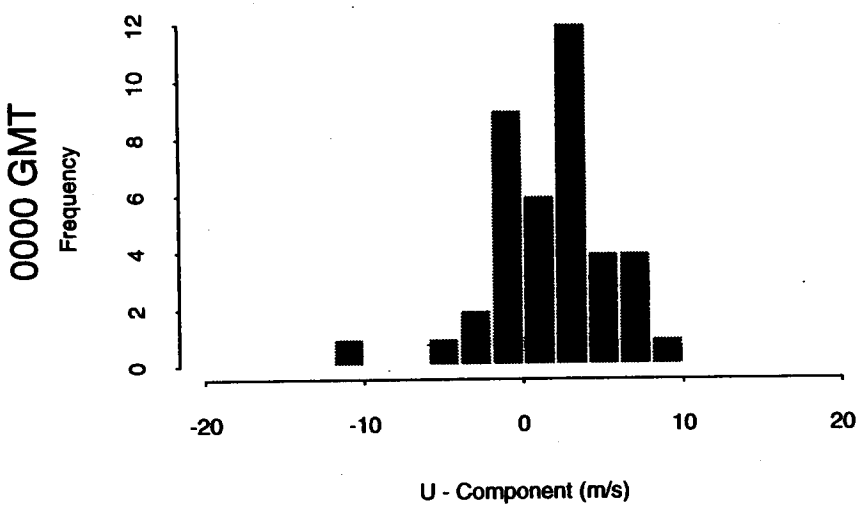


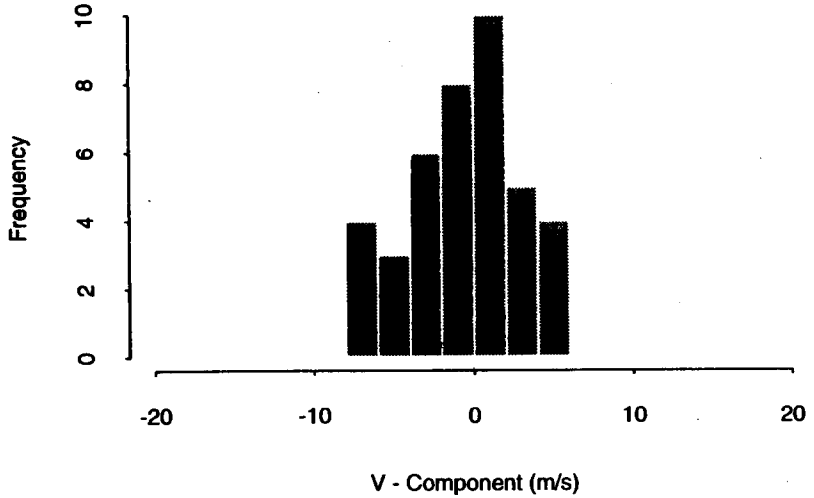
MYFR (Radiosonde) vs SCI (Radar Wind Profiler), Height=2000M

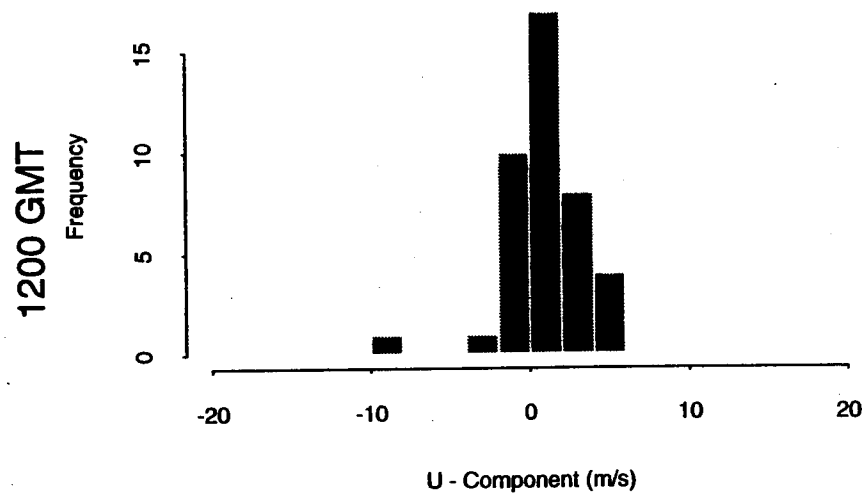


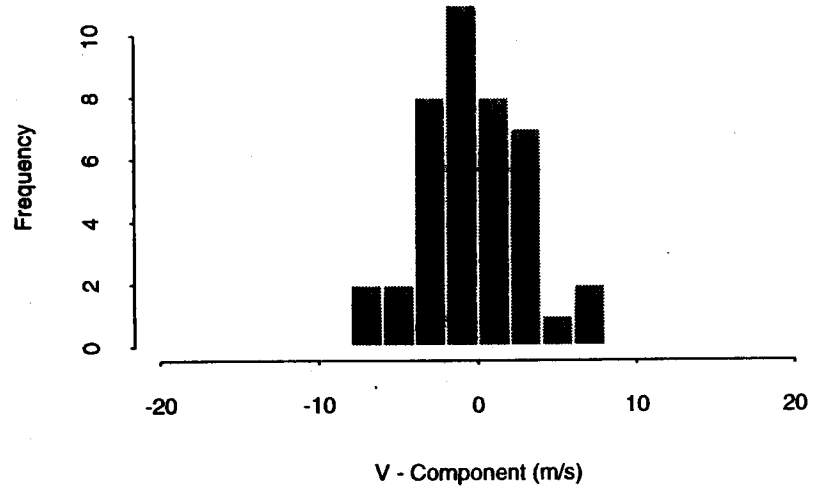
Frequency Distribution of Differences

SCI (Radar Wind Profiler) - MYFR (Radiosonde), 100M





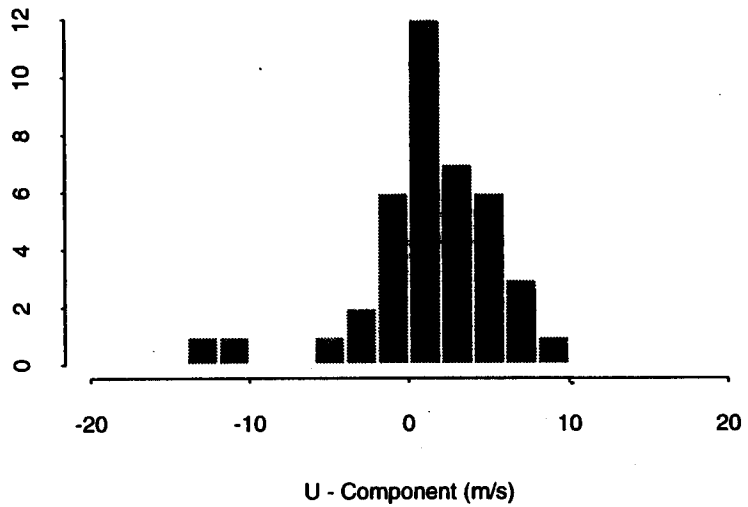


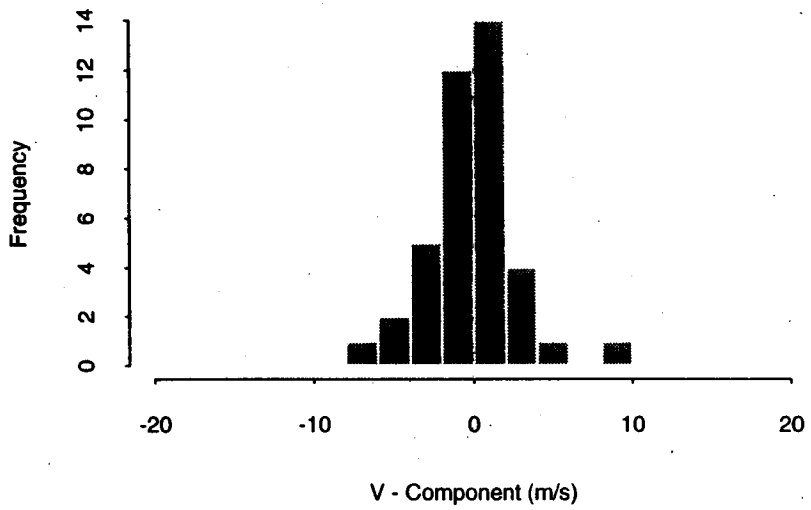


Frequency Distribution of Differences

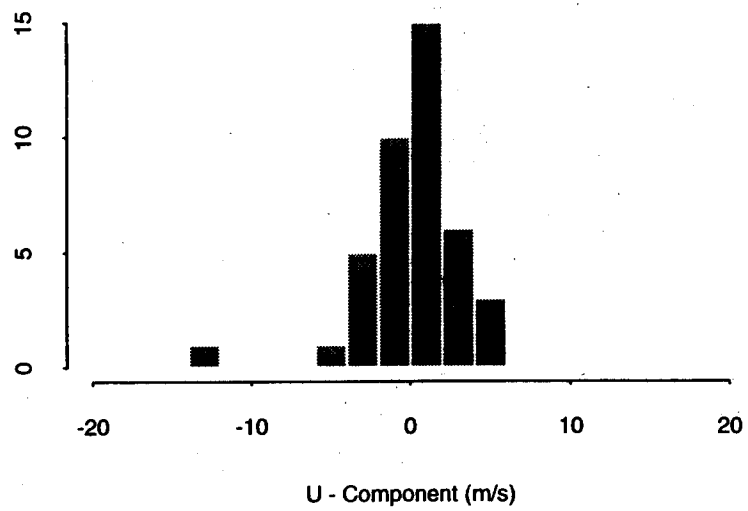
SCI (Radar Wind Profiler) - MYFR (Radiosonde), 300M

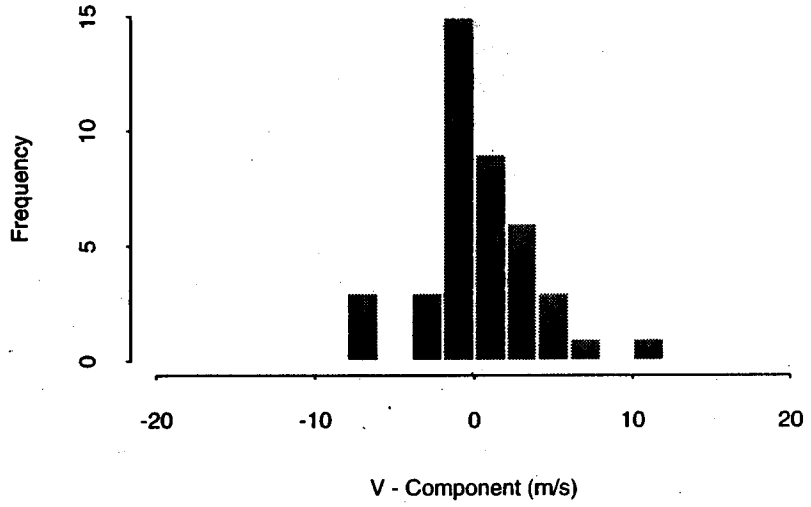
0000 GMT





1200 GMT

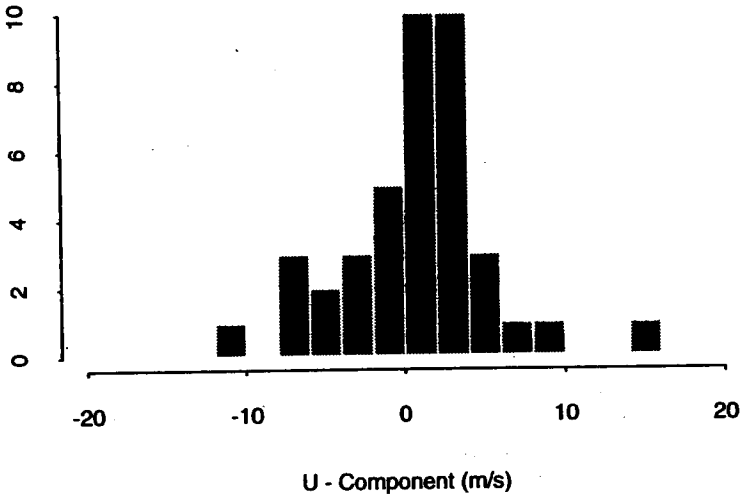


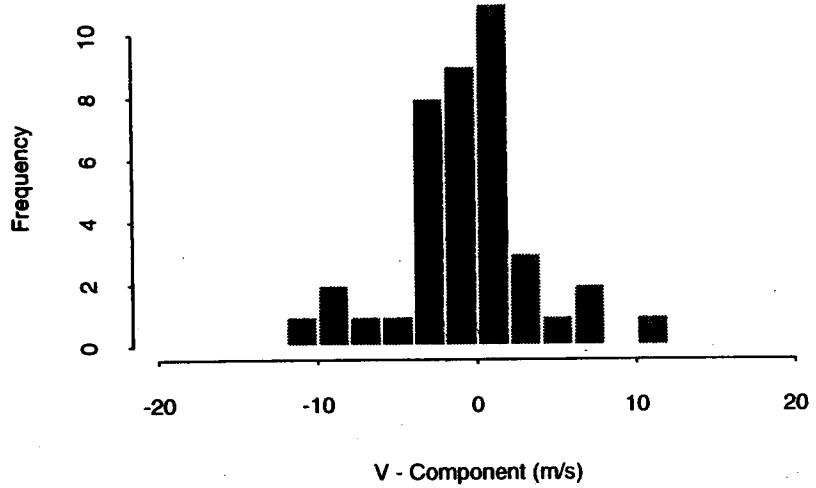


Frequency Distribution of Differences

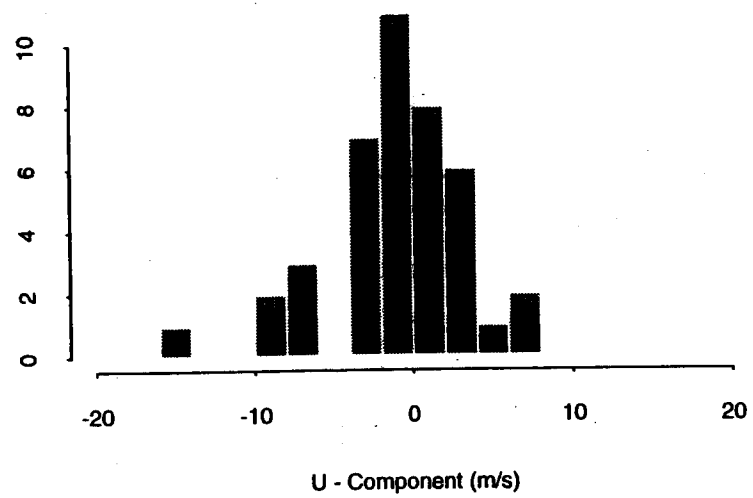
SCI (Radar Wind Profiler) - MYFR (Radiosonde), 1000M

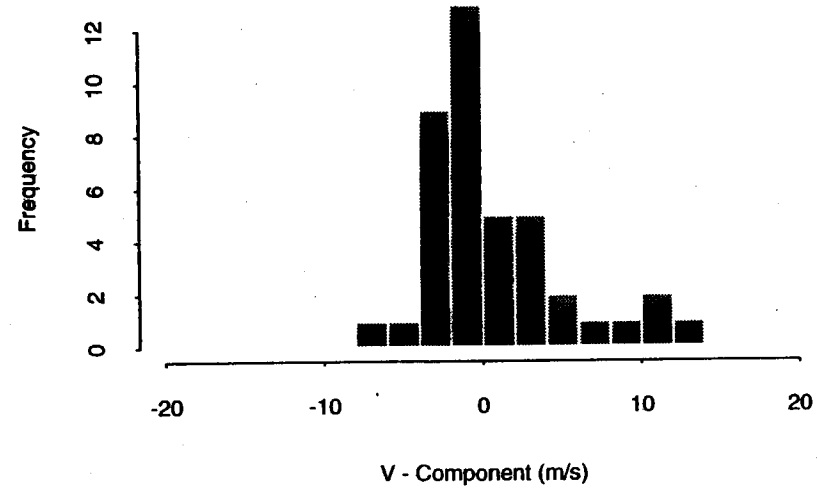
0000 GMT





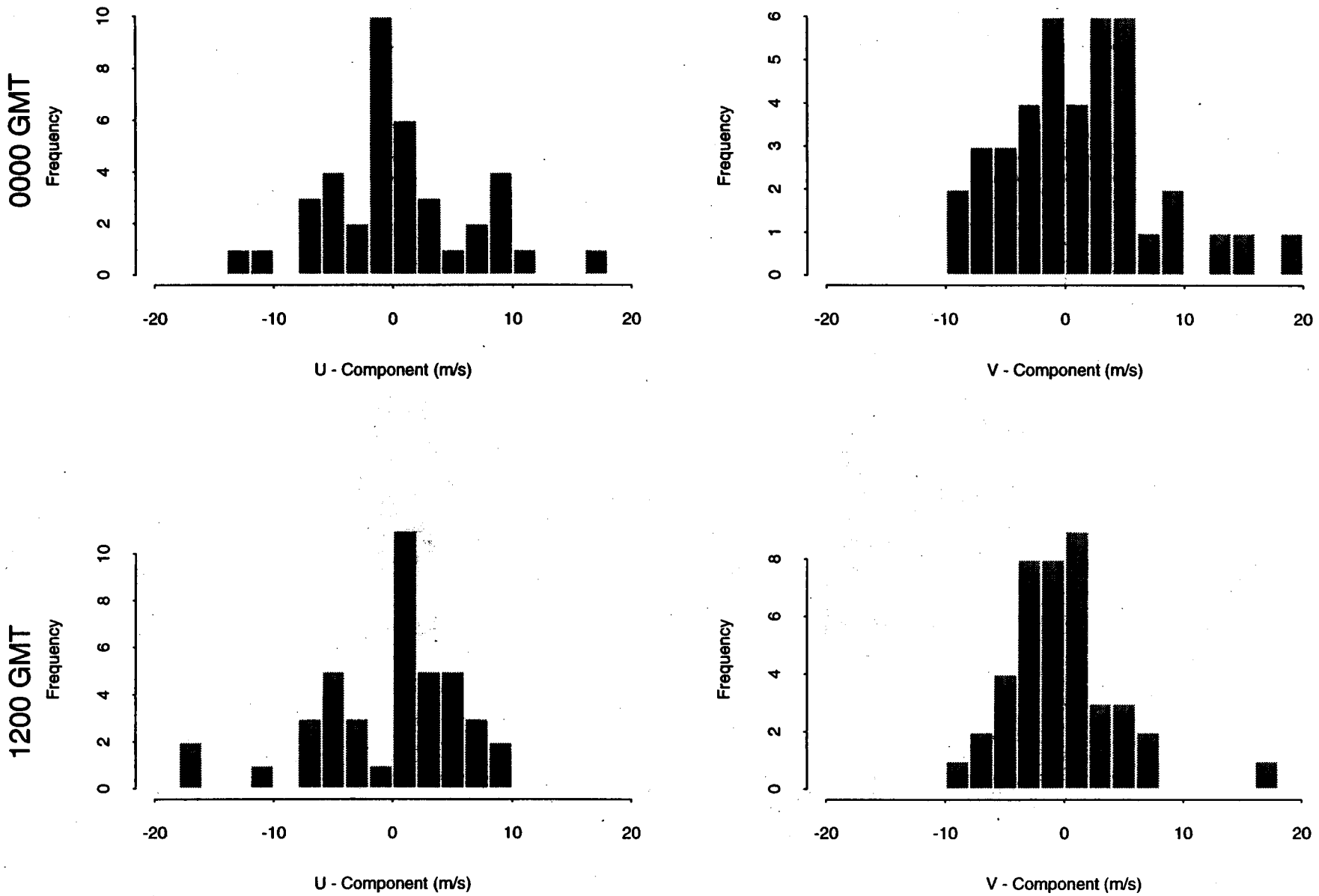
1200 GMT





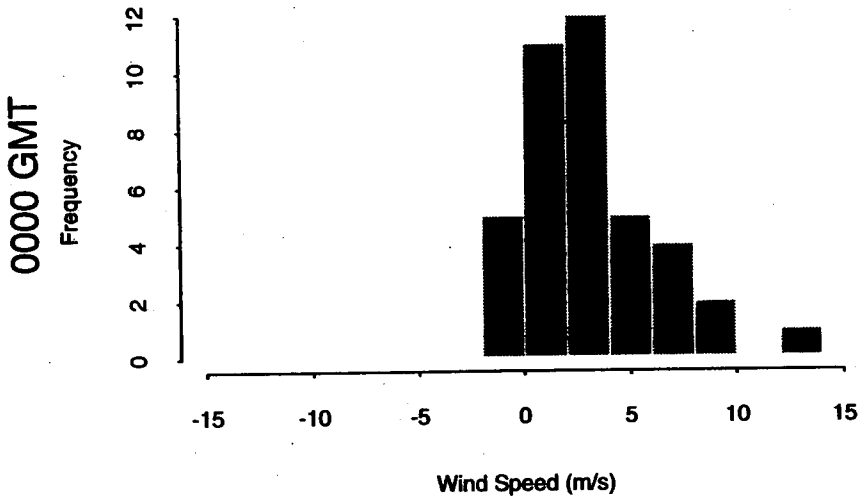
Frequency Distribution of Differences

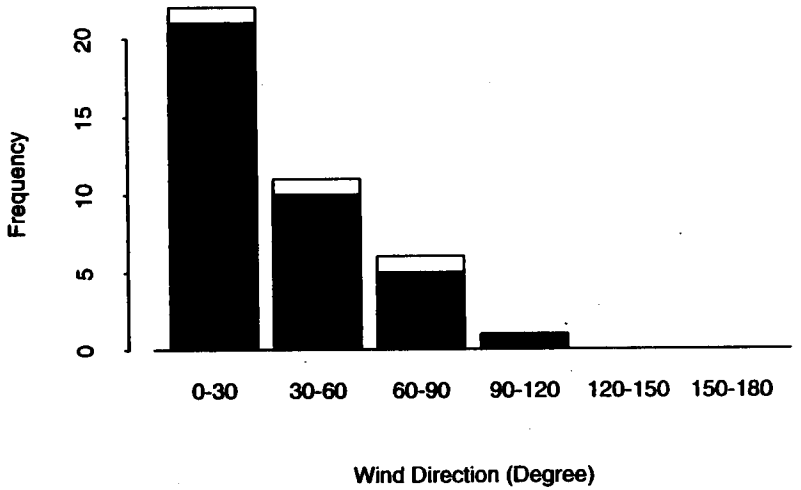
SCI (Radar Wind Profiler) - MYFR (Radiosonde), 2000M

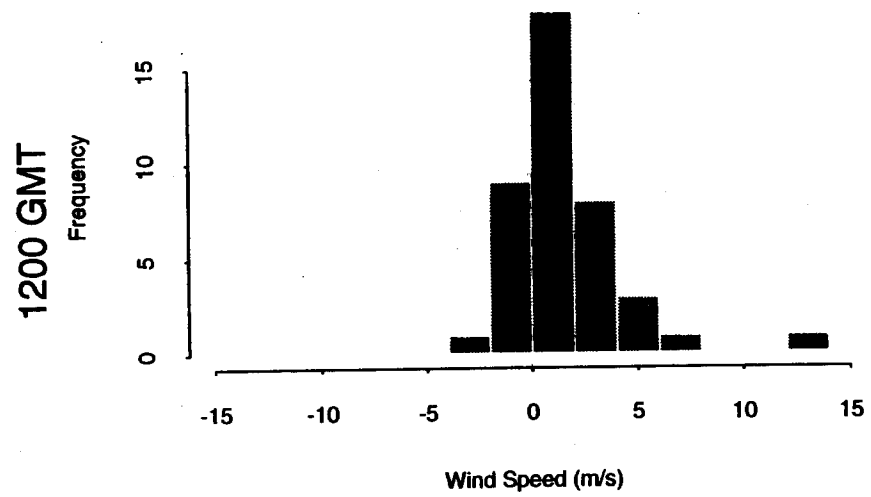


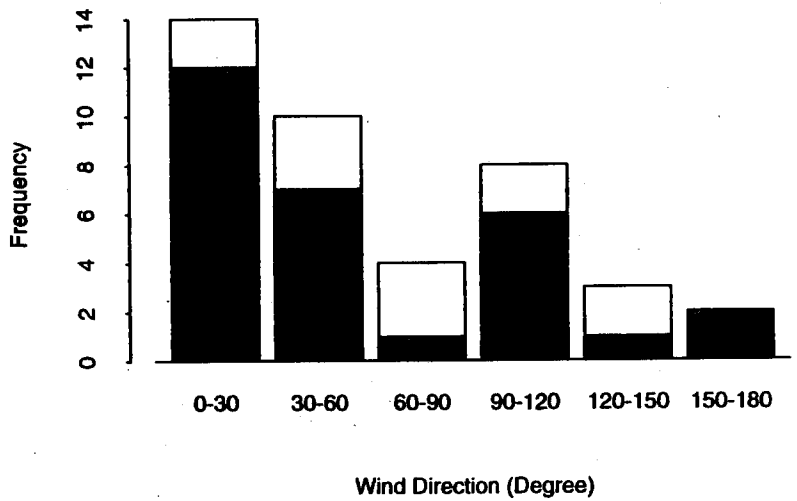
Frequency Distribution of Differences

SCI (Radar Wind Profiler) - MYFR (Radiosonde), 300M



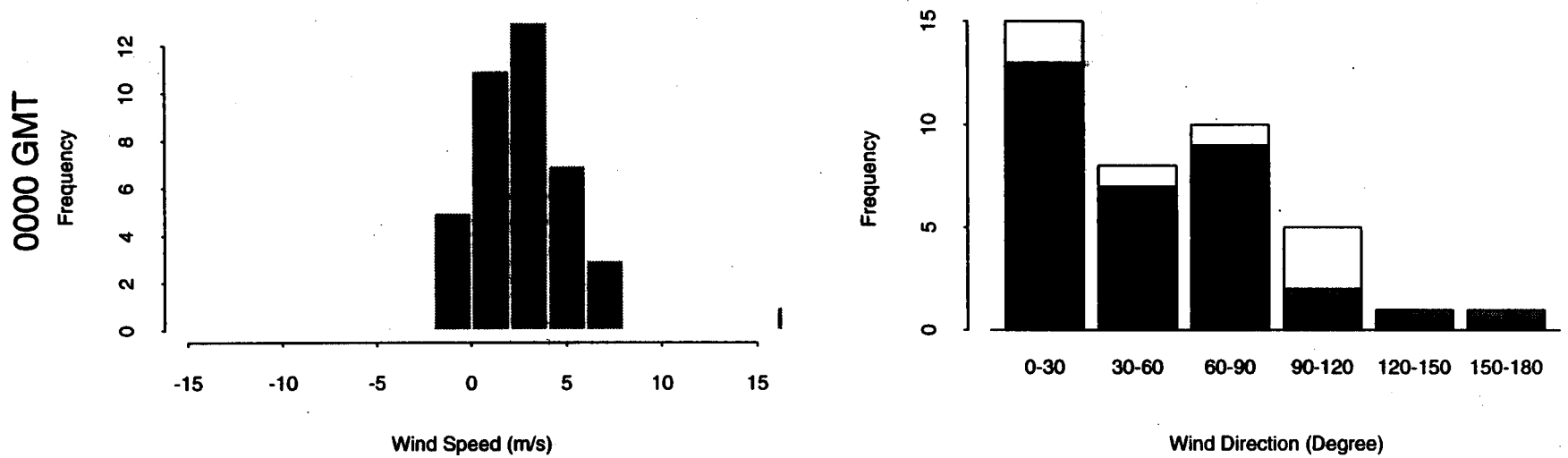


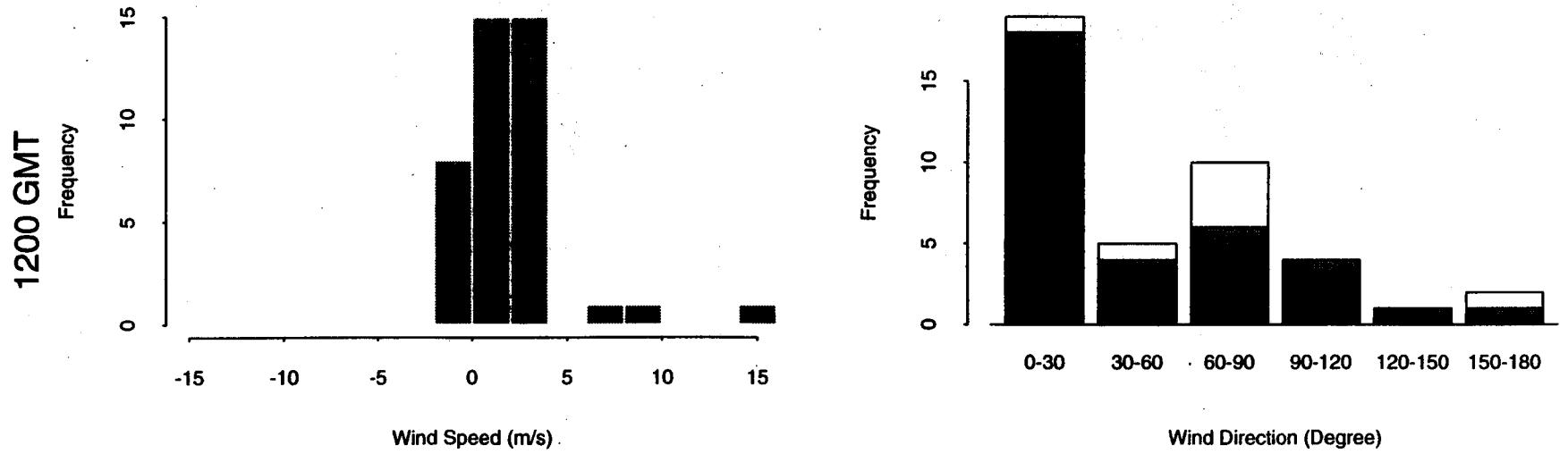




Frequency Distribution of Differences

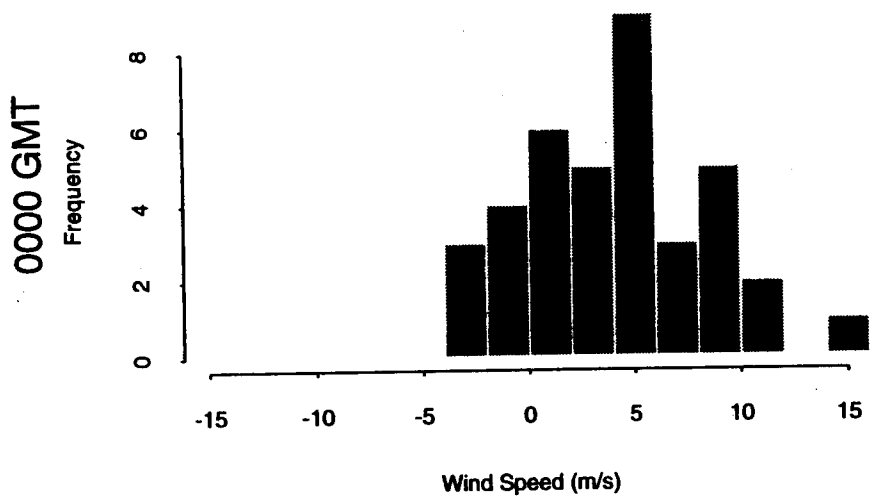
SCI (Radar Wind Profiler) - MYFR (Radiosonde), 1000M

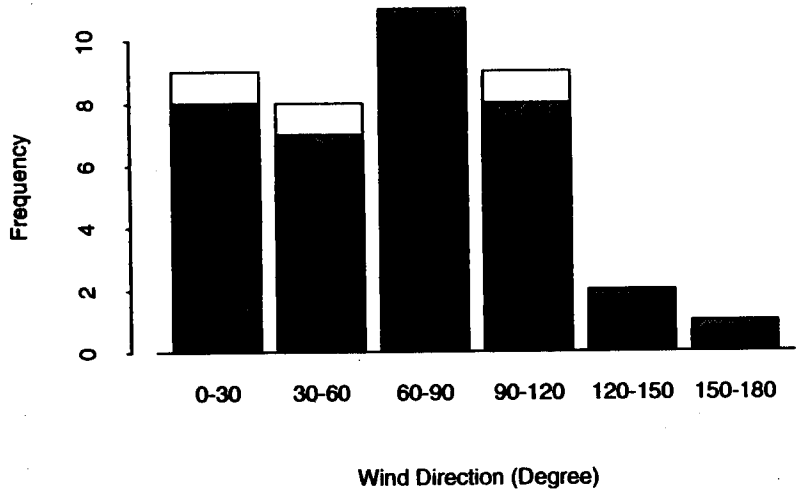


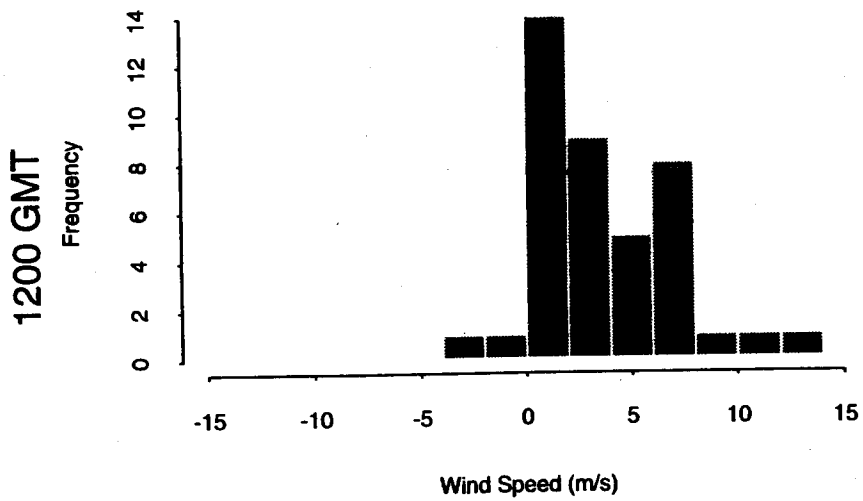


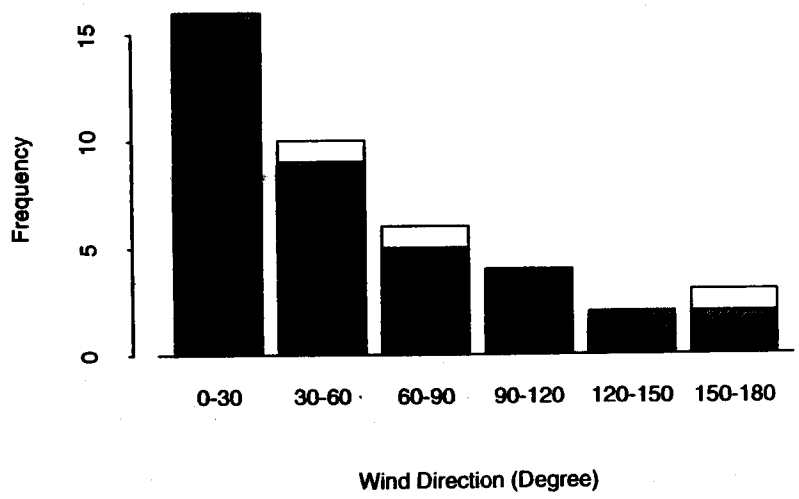
Frequency Distribution of Differences

SCI (Radar Wind Profiler) - MYFR (Radiosonde), 2000M

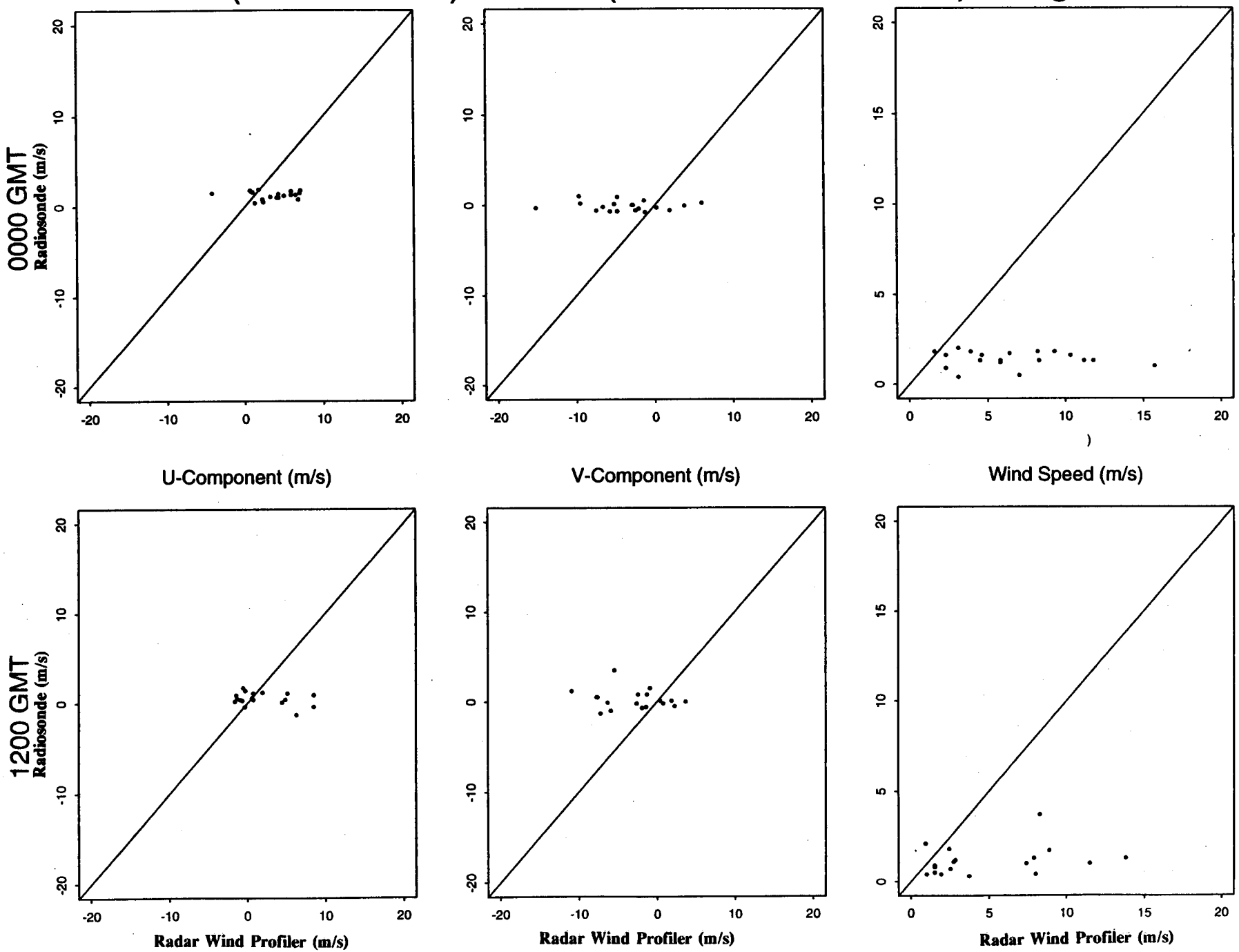




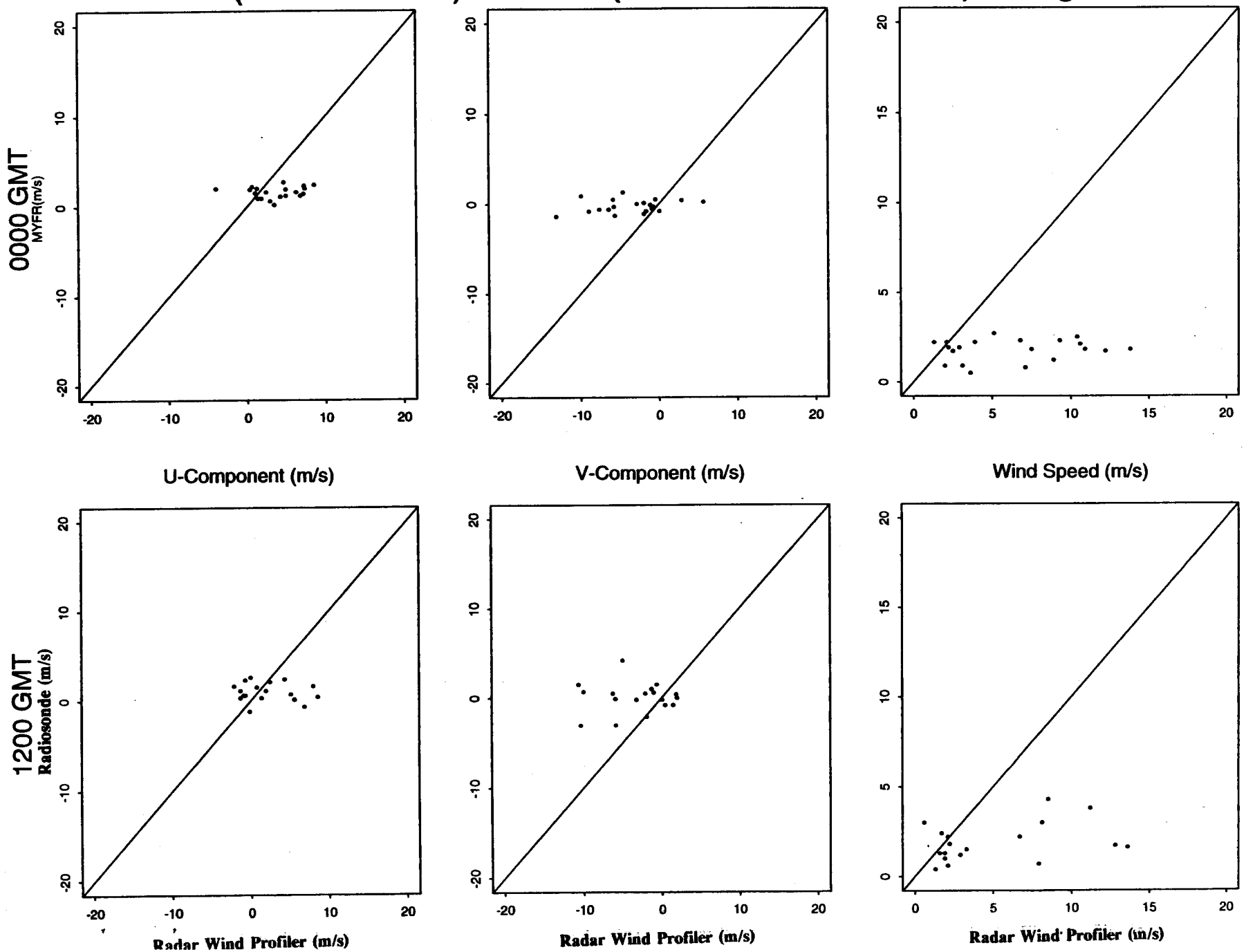




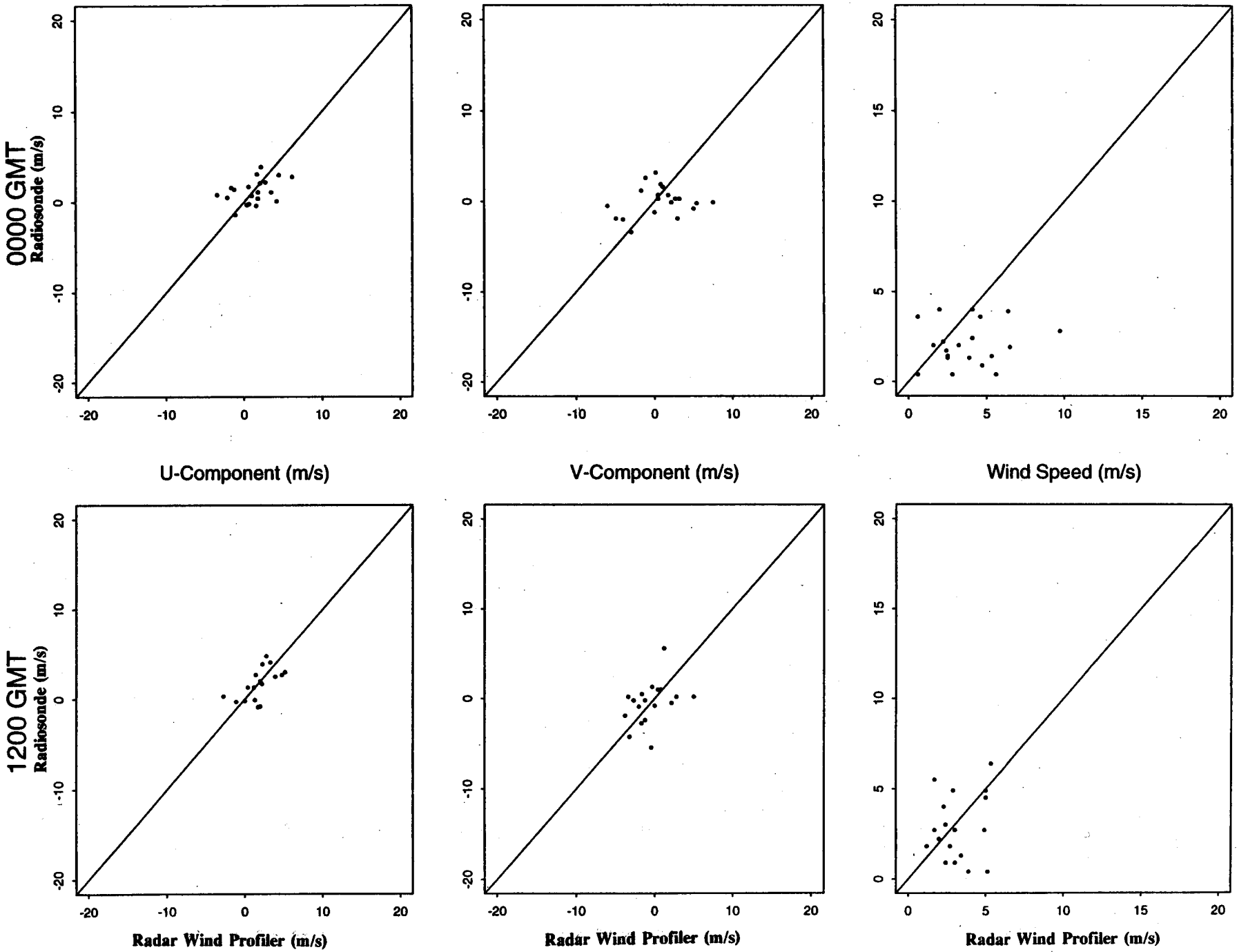
MYFR (Radiosonde) vs PTL (Radar Wind Profiler), Height=100M



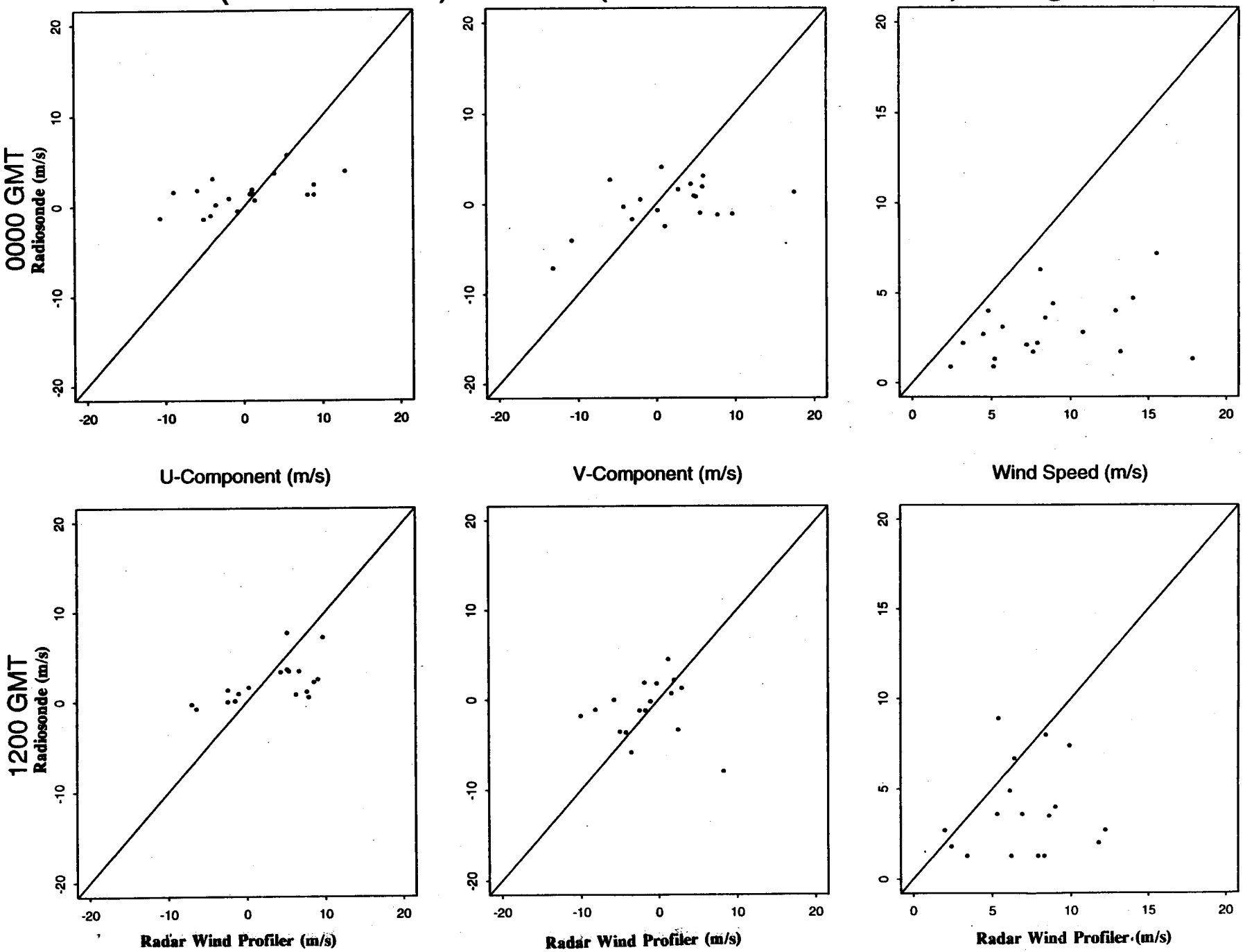
MYFR (Radiosonde) vs PTL (Radar Wind Profiler), Height=300M



MYFR (Radiosonde) vs PTL (Radar Wind Profiler), Height=1000M

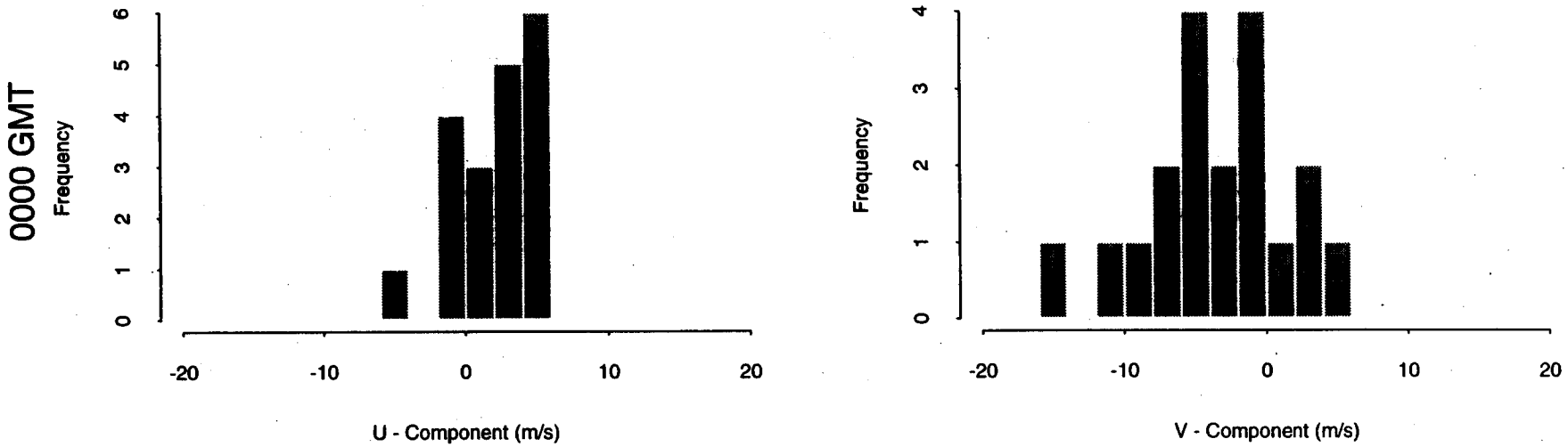


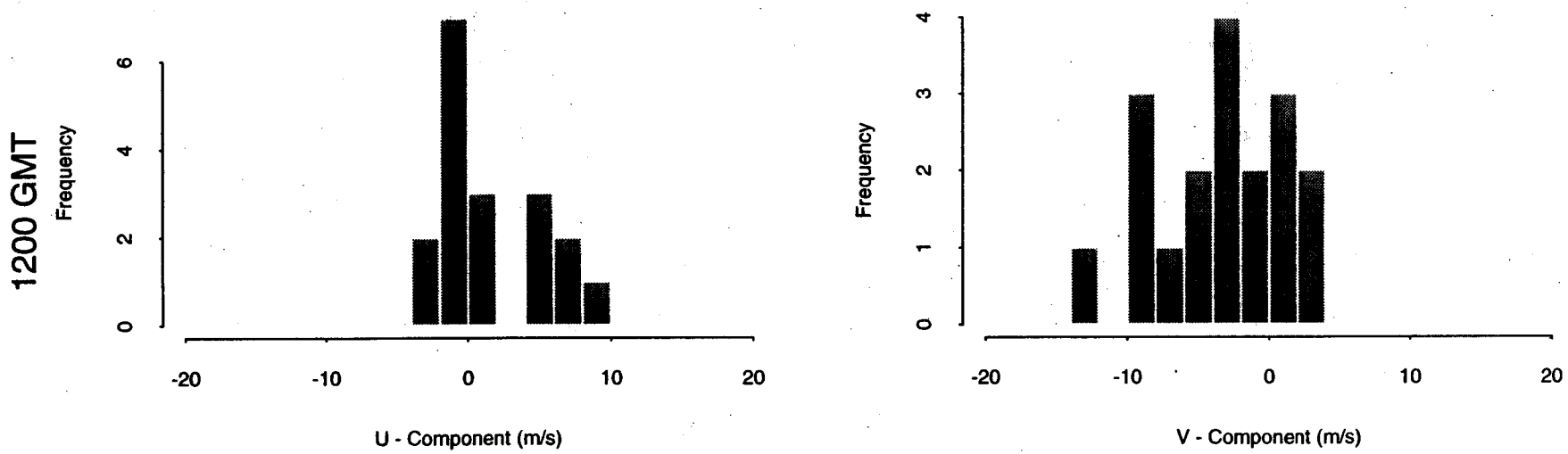
MYFR (Radiosonde) vs PTL (Radar Wind Profiler), Height=2000M



Frequency Distribution of Differences

PTL (Radar Wind Profiler) - MYFR (Radiosonde), 100M

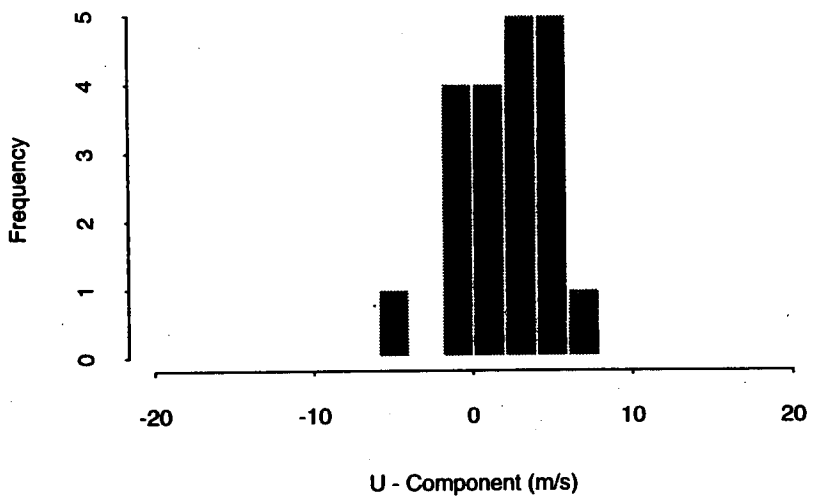


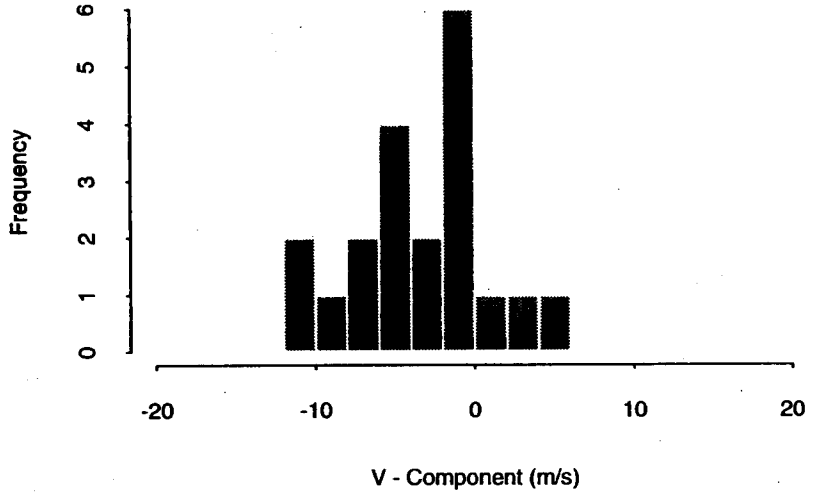


Frequency Distribution of Differences

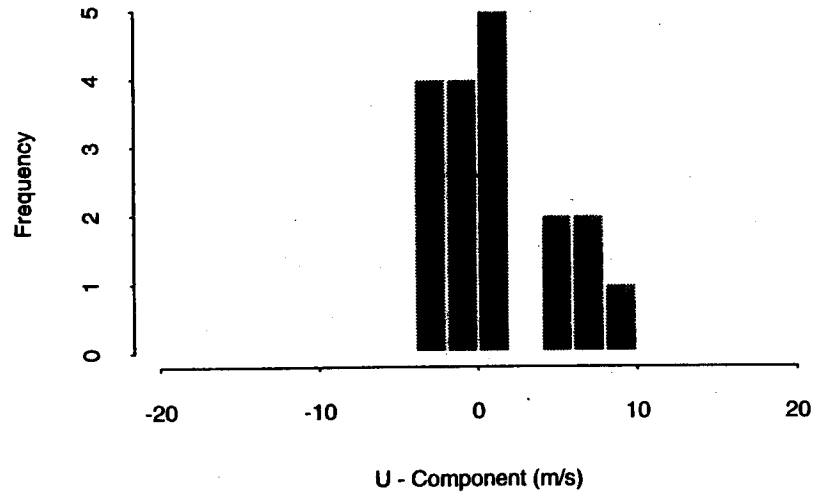
PTL (Radar Wind Profiler) - MYFR (Radiosonde), 300M

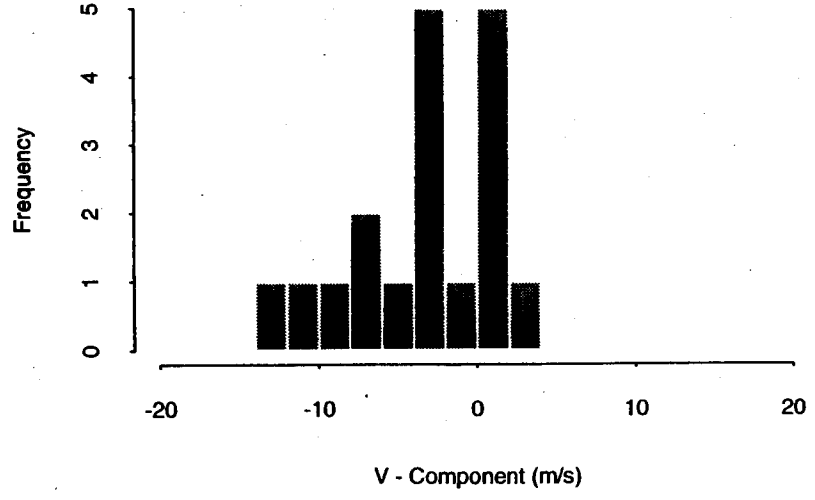
0000 GMT





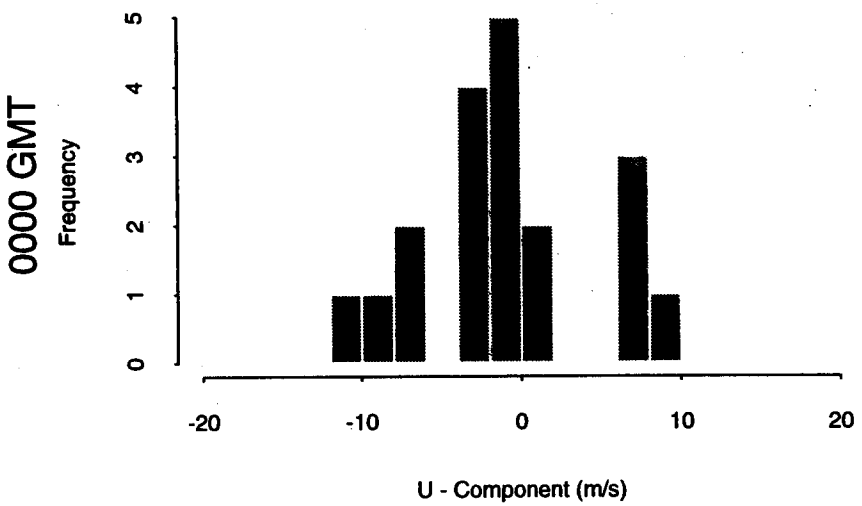
1200 GMT

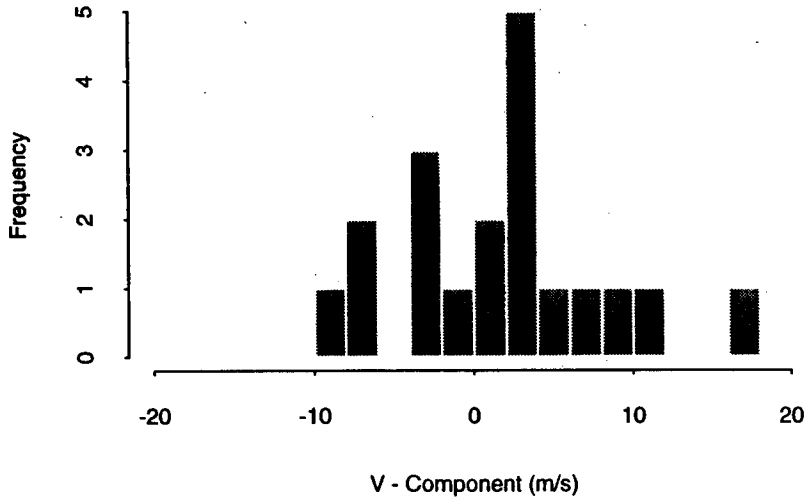


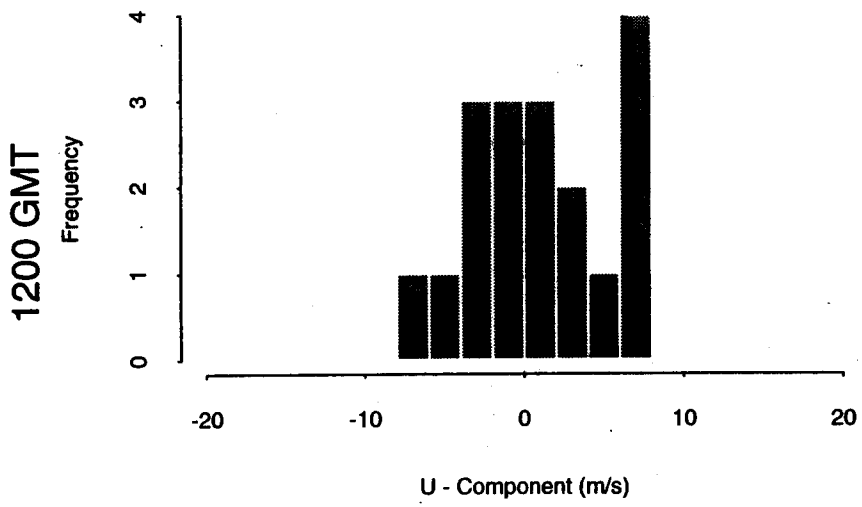


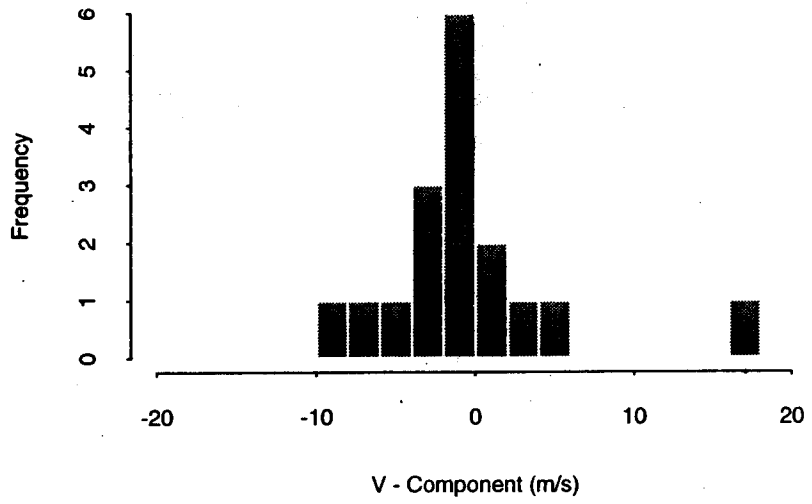
Frequency Distribution of Differences

PTL (Radar Wind Profiler) - MYFR (Radiosonde), 2000M



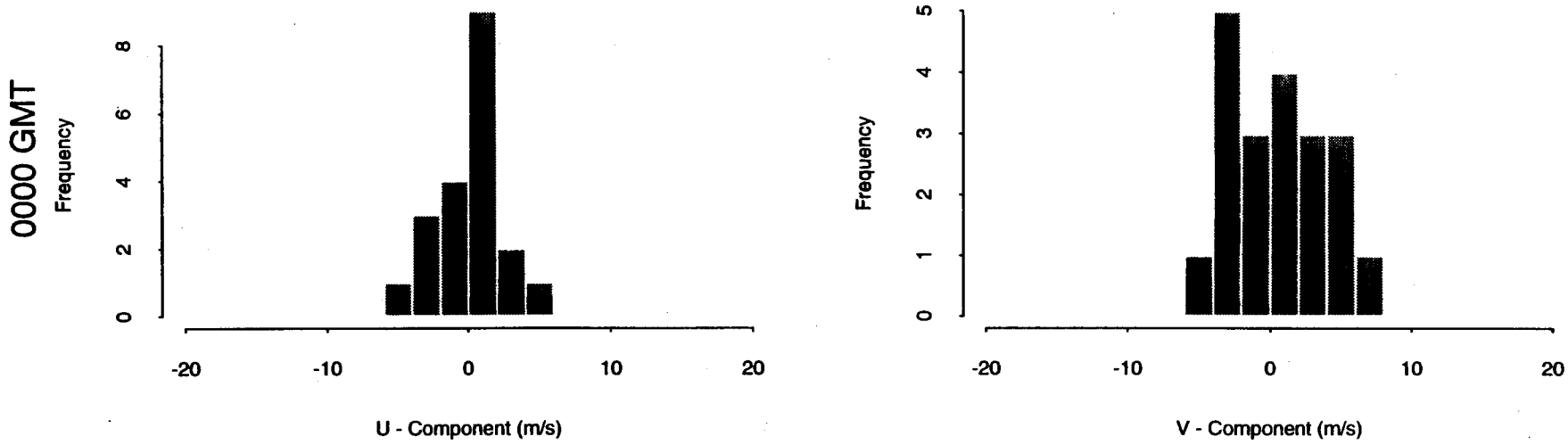


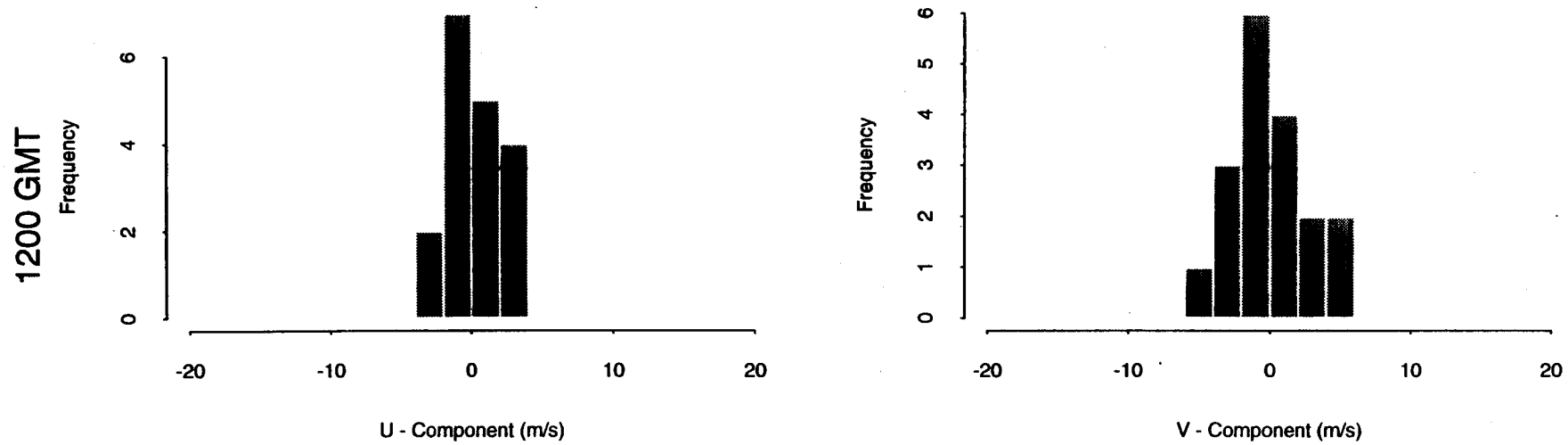




Frequency Distribution of Differences

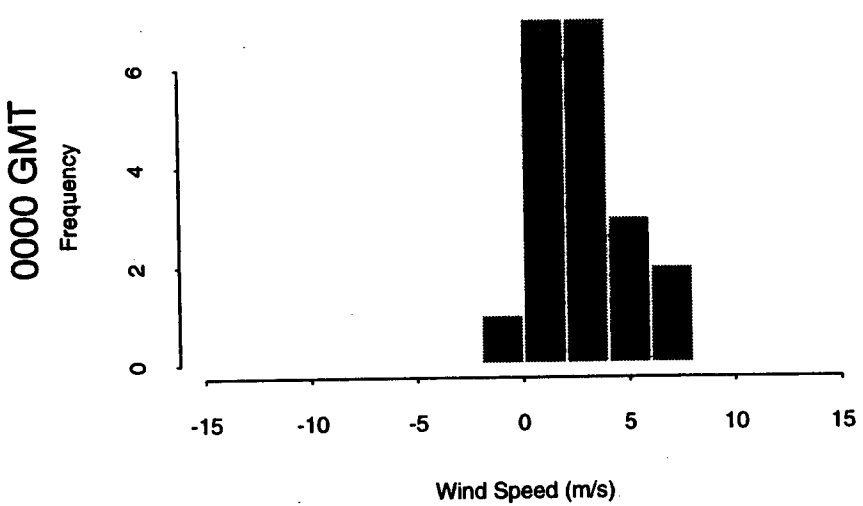
PTL (Radar Wind Profiler) - MYFR (Radiosonde), 1000M

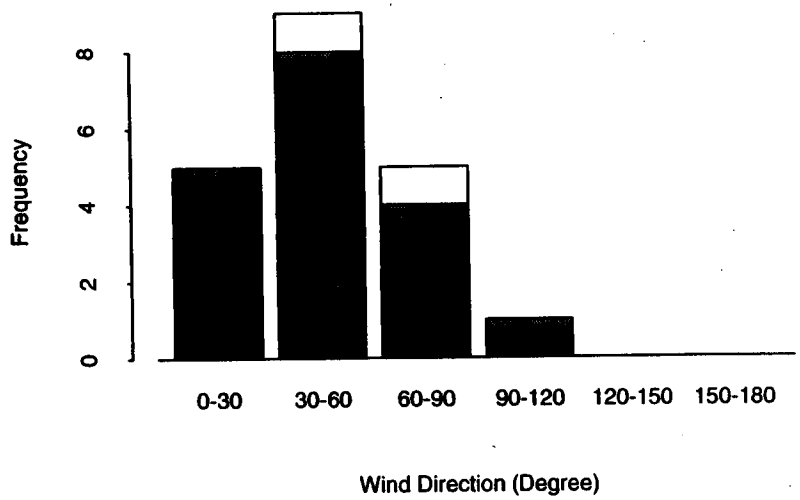


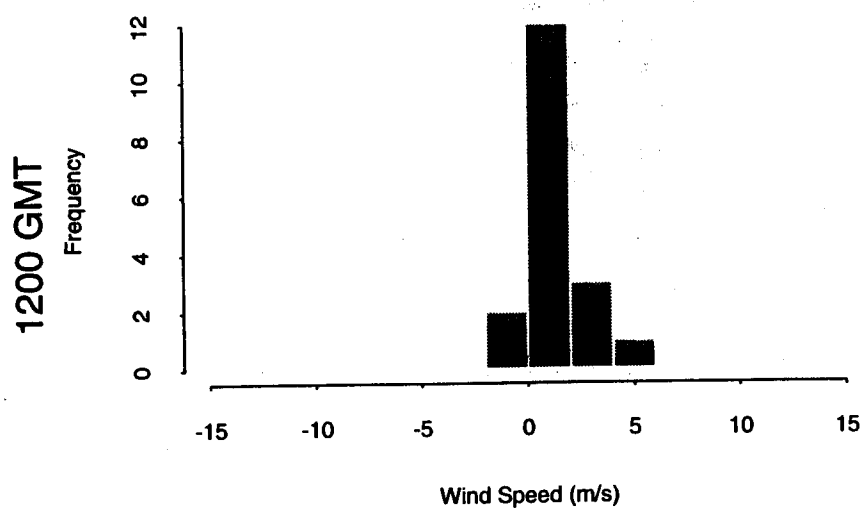


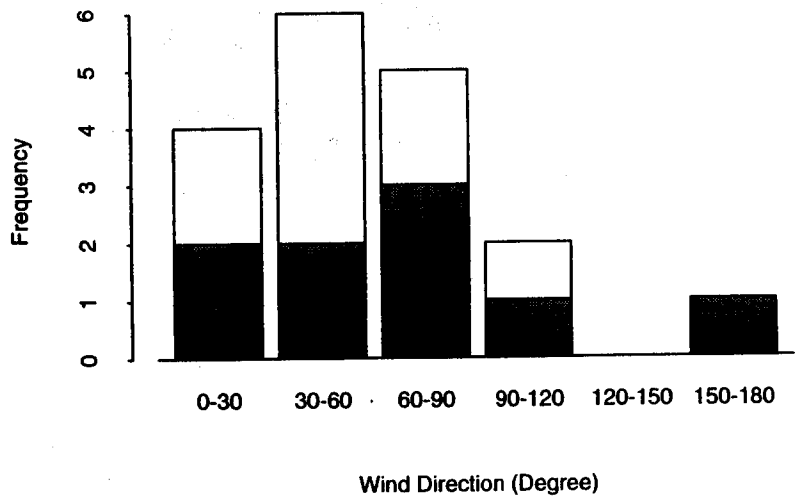
Frequency Distribution of Differences

PTL (Radar Wind Profiler) - MYFR (Radiosonde), 300M



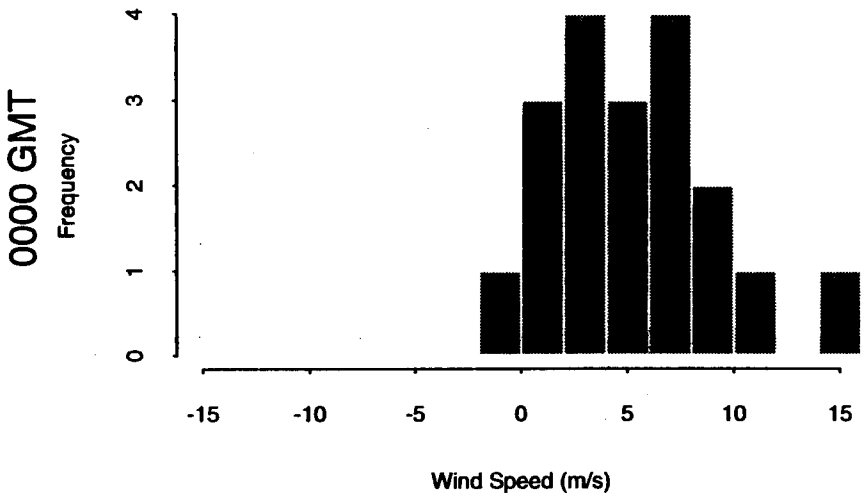


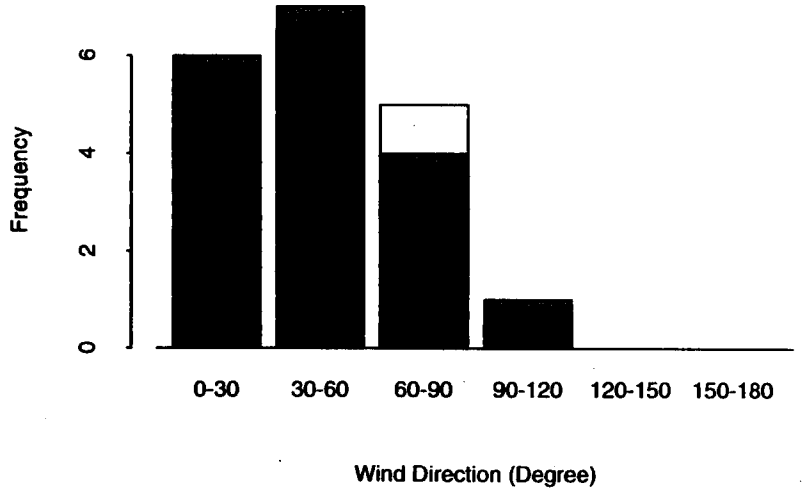


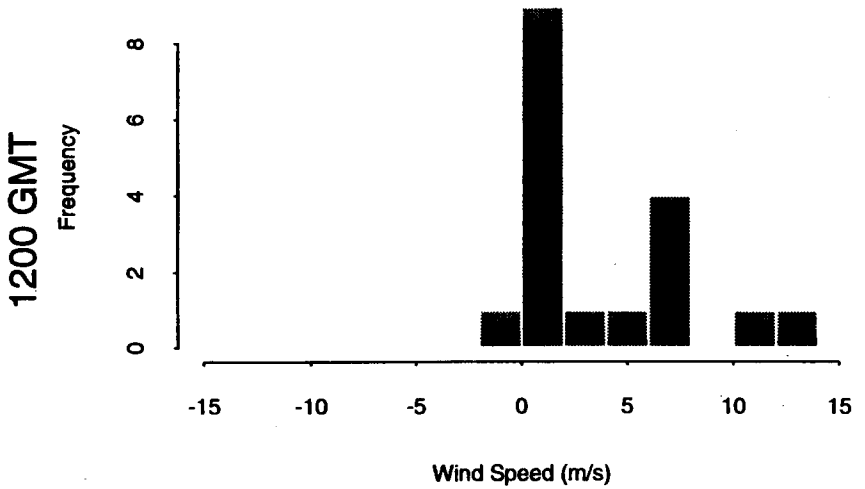


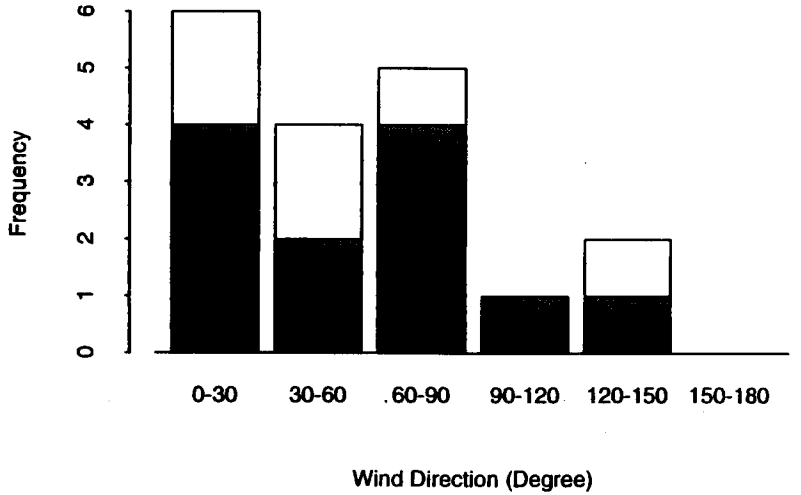
Frequency Distribution of Differences

PTL (Radar Wind Profiler) - MYFR (Radiosonde), 100M



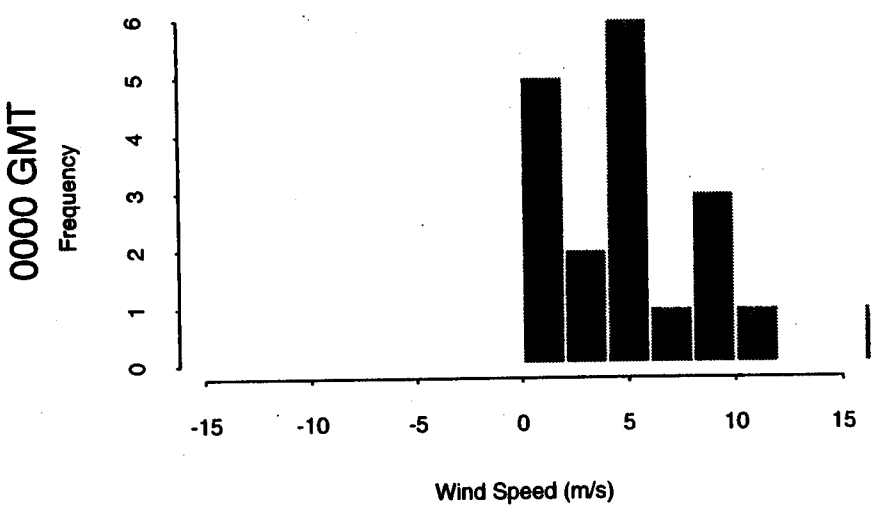


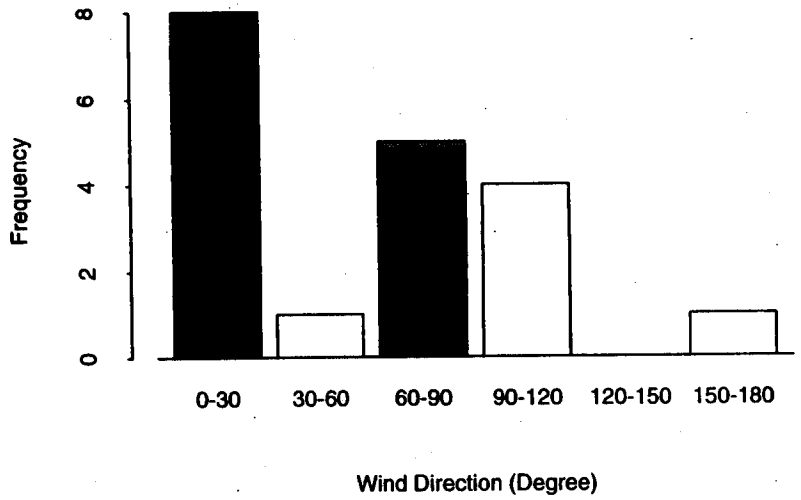


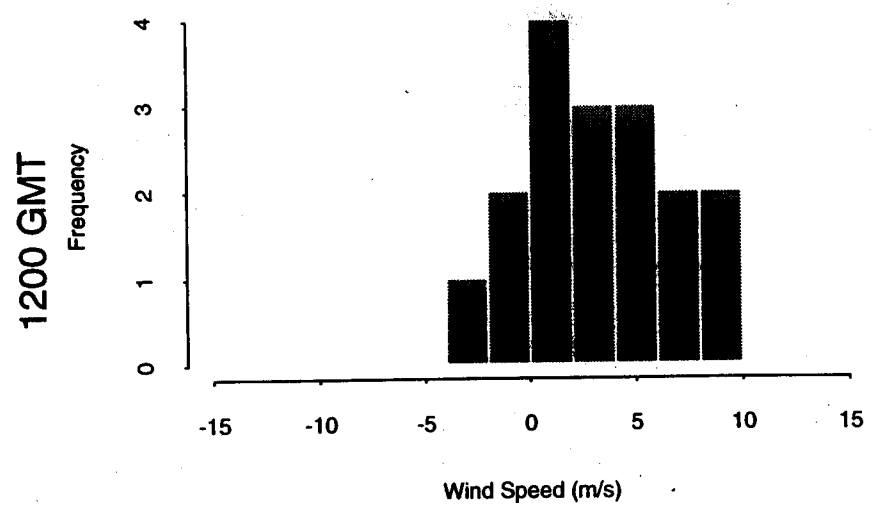


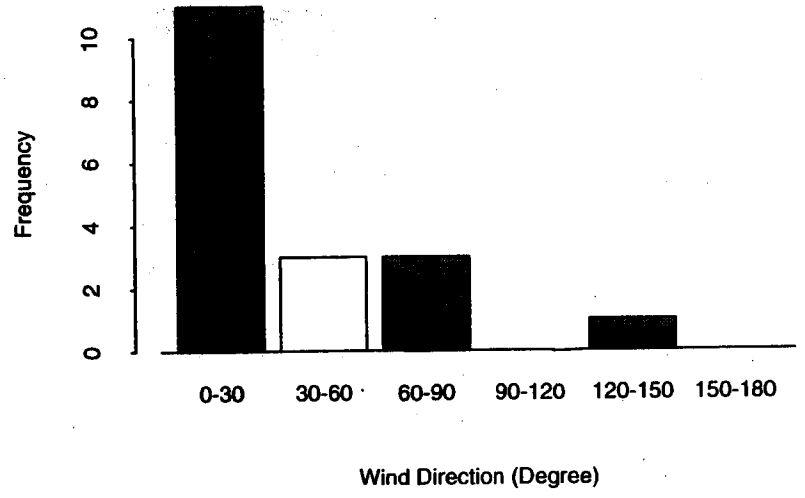
Frequency Distribution of Differences

PTL (Radar Wind Profiler) - MYFR (Radiosonde), 2000M



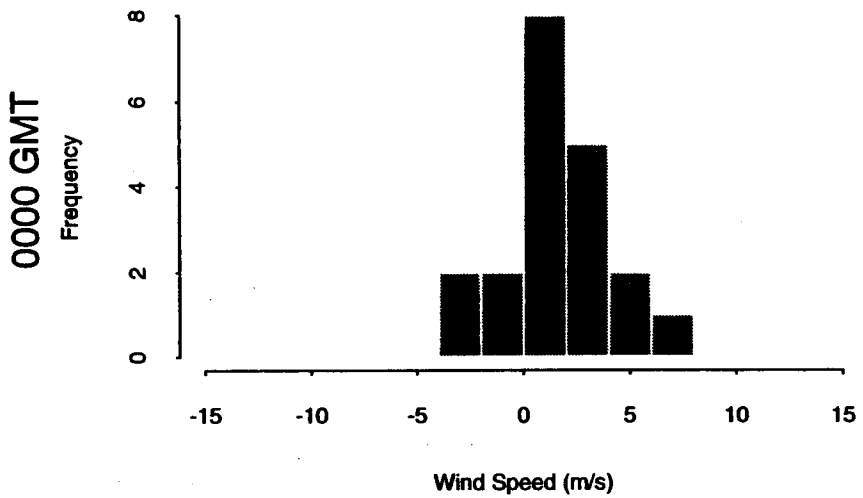


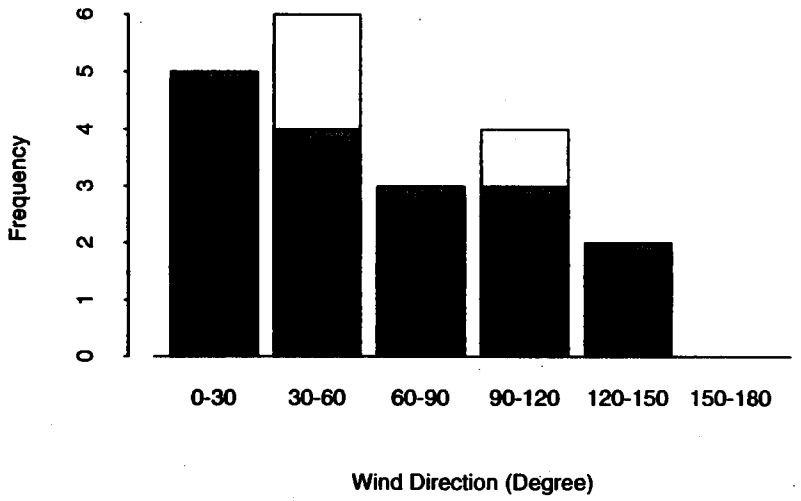


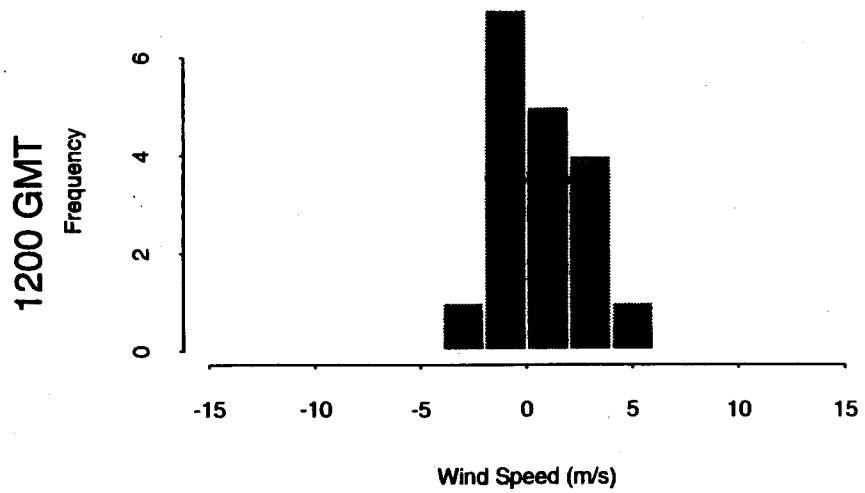


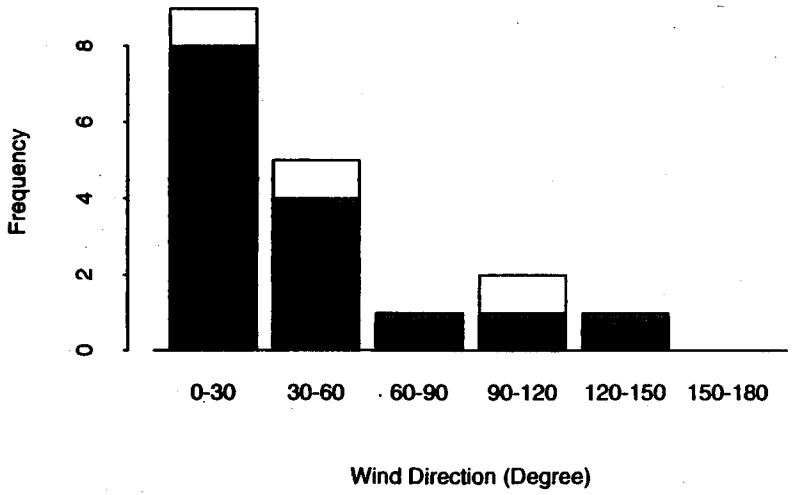
Frequency Distribution of Differences

PTL (Radar Wind Profiler) - MYFR (Radiosonde), 1000M

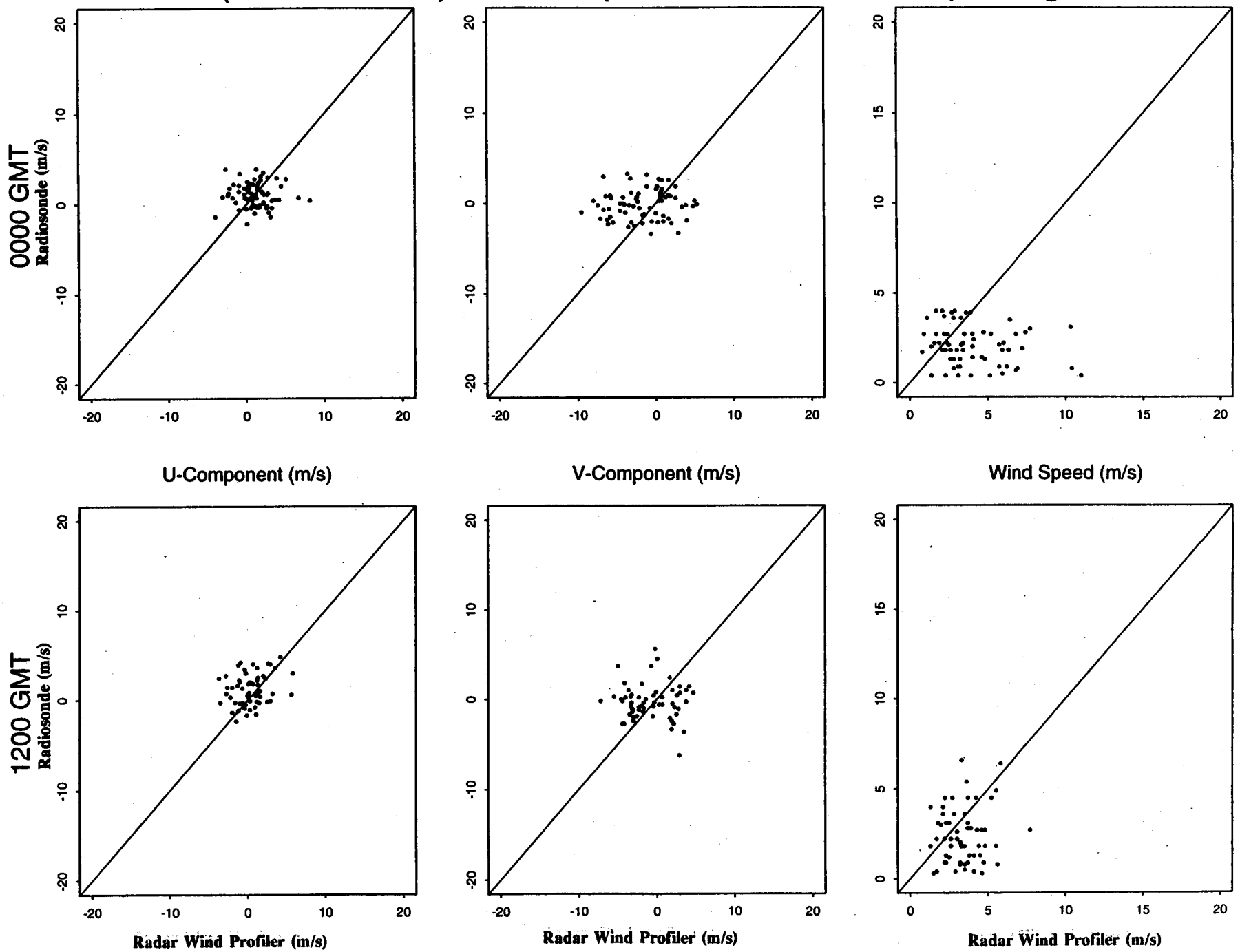




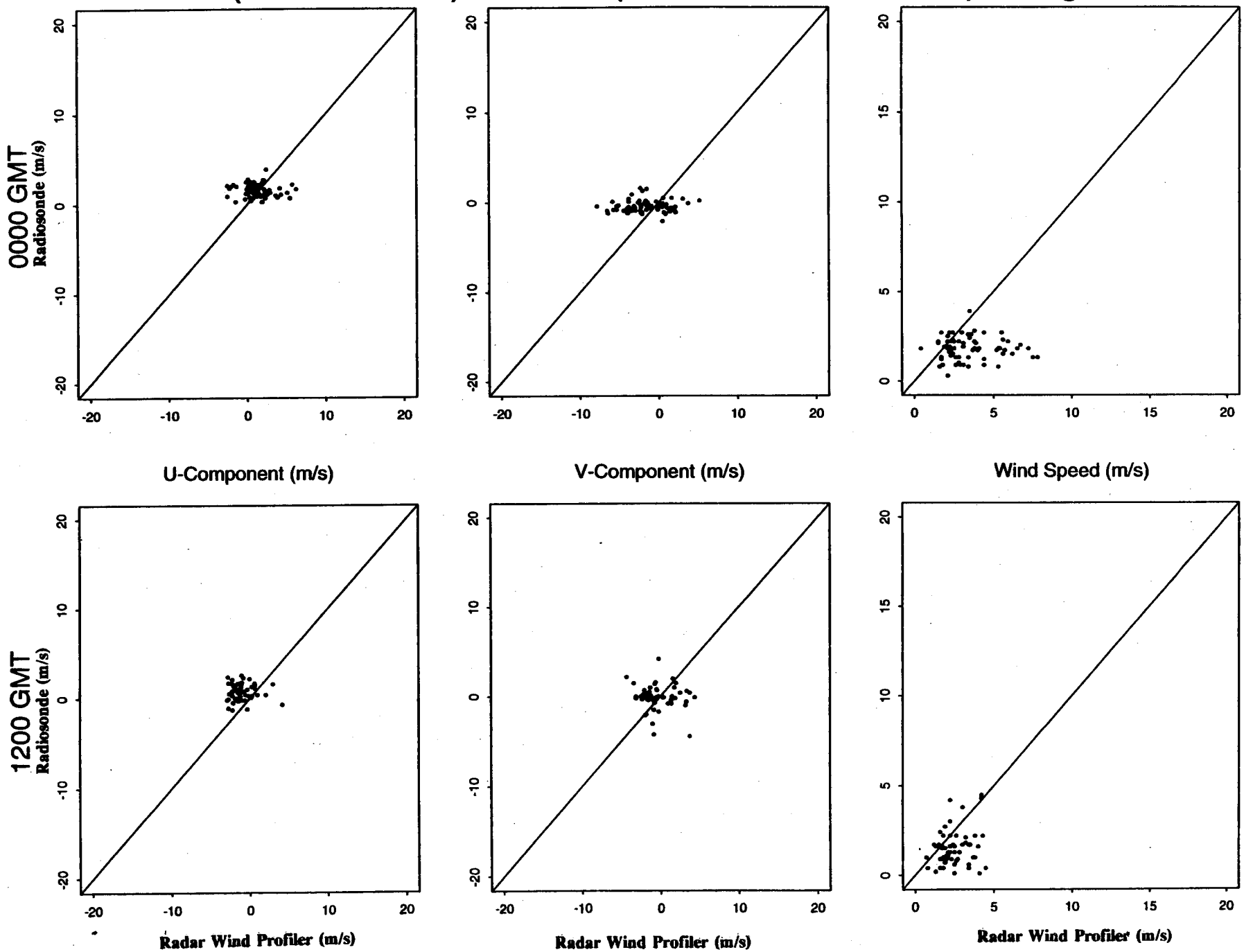




MYFR (Radiosonde) vs ELC (Radar Wind Profiler), Height=1000M

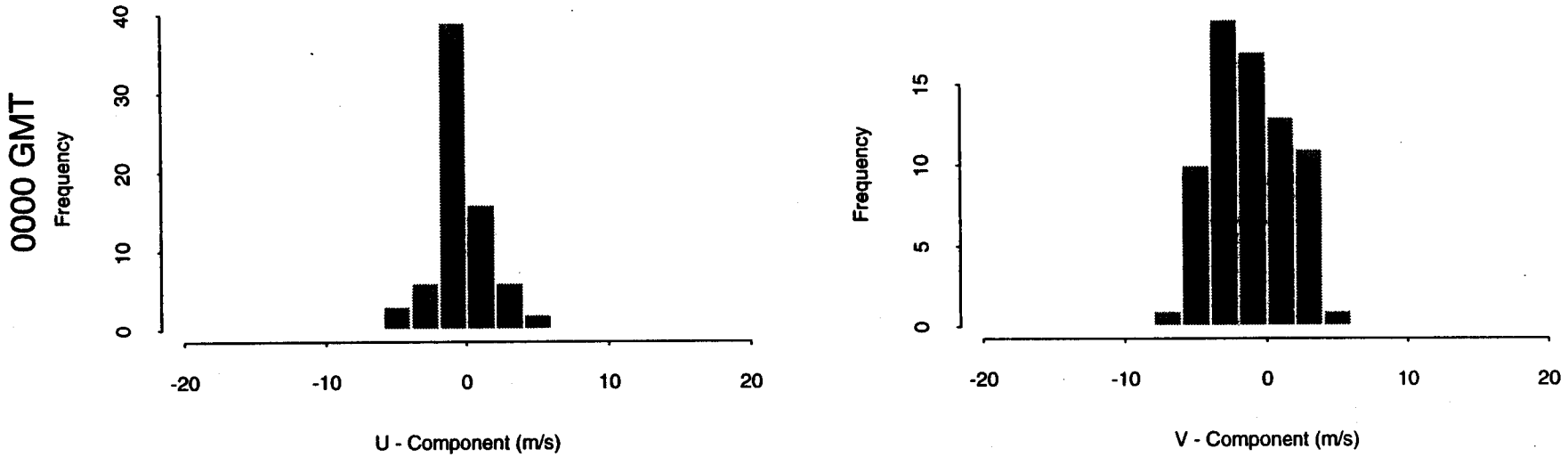


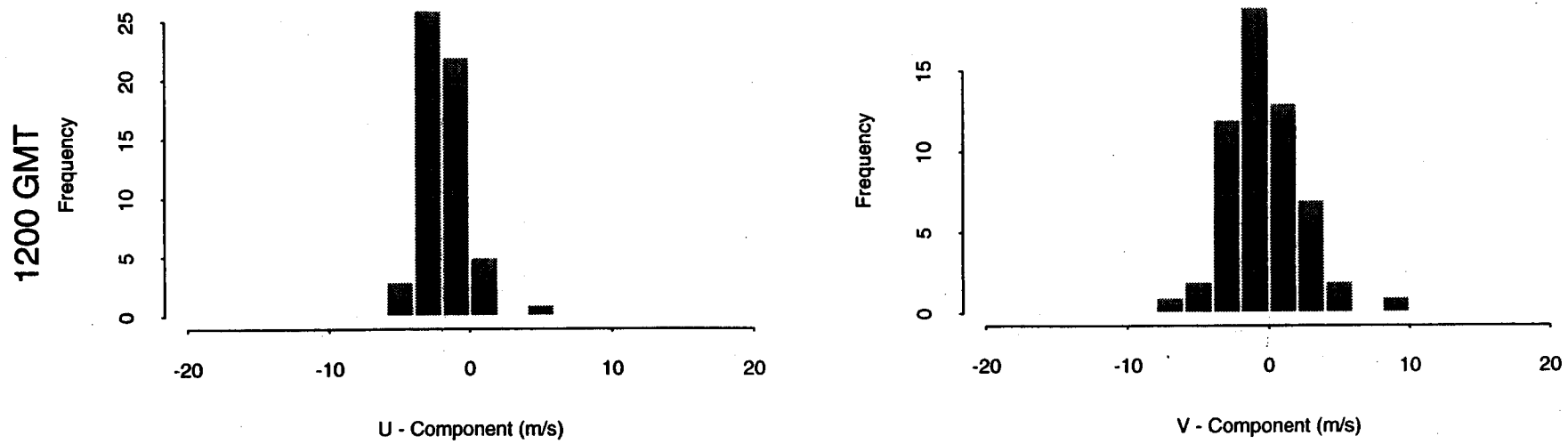
MYFR (Radiosonde) vs ELC (Radar Wind Profiler), Height=300M



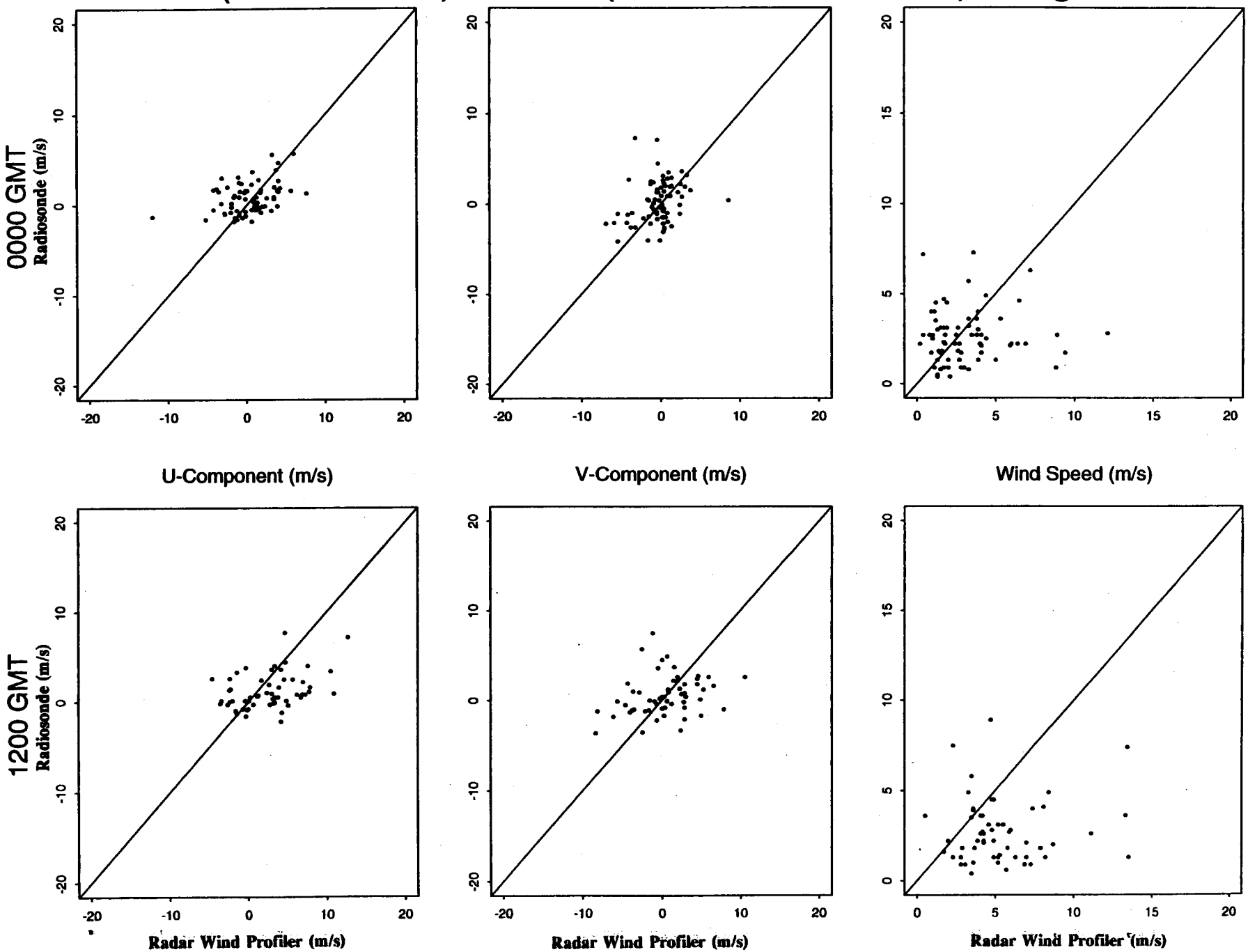
Frequency Distribution of Differences

ELC (Radar Wind Profiler) - MYFR (Radiosonde), 300M



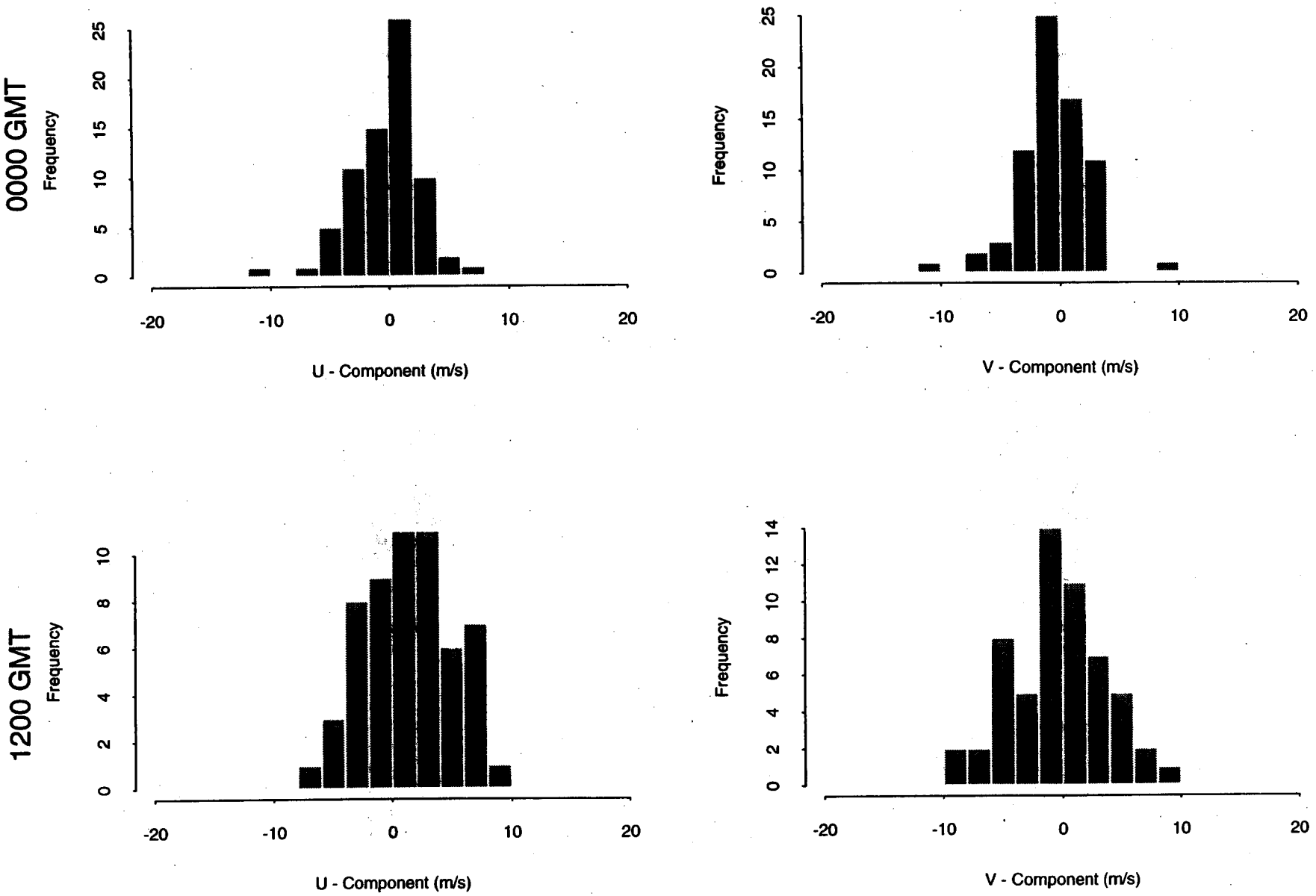


MYFR (Radiosonde) vs ELC (Radar Wind Profiler), Height=2000M



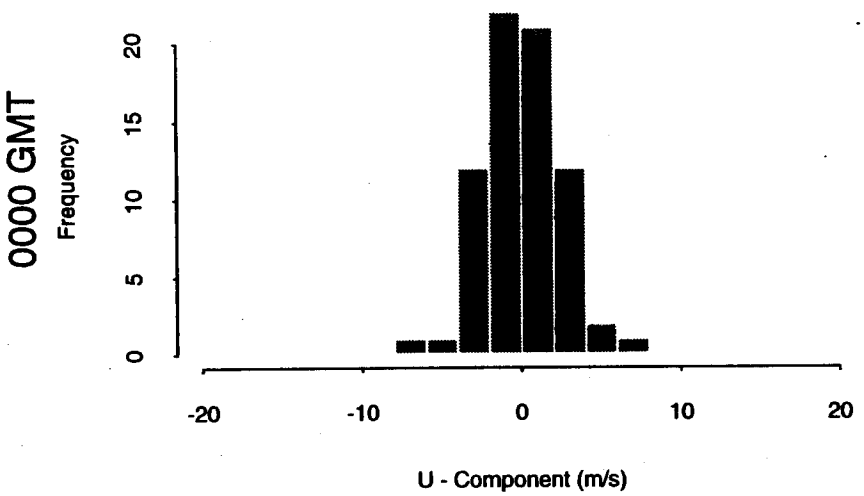
Frequency Distribution of Differences

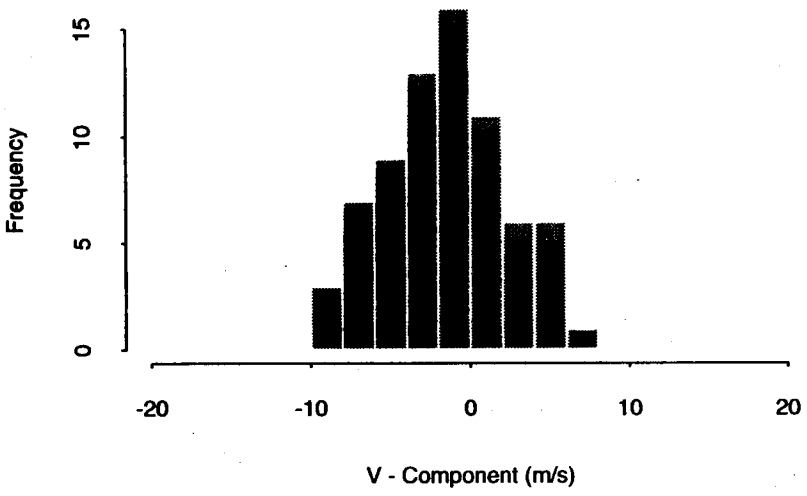
ELC (Radar Wind Profiler) - MYFR (Radiosonde), 2000M

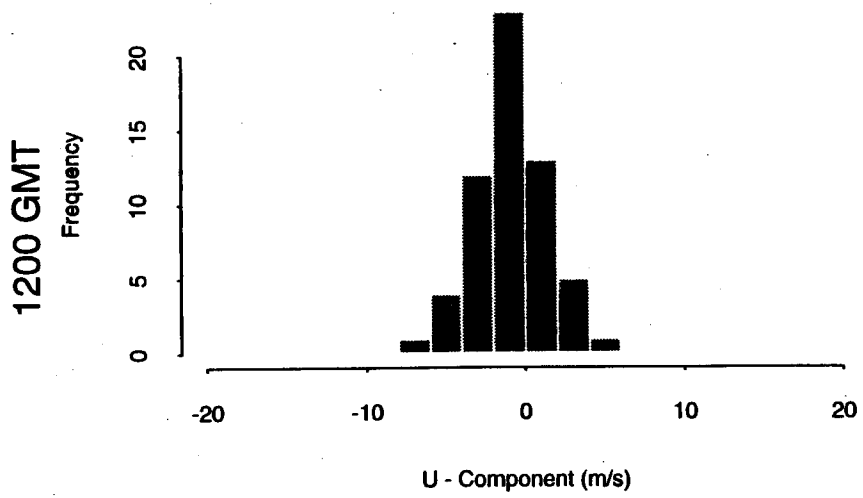


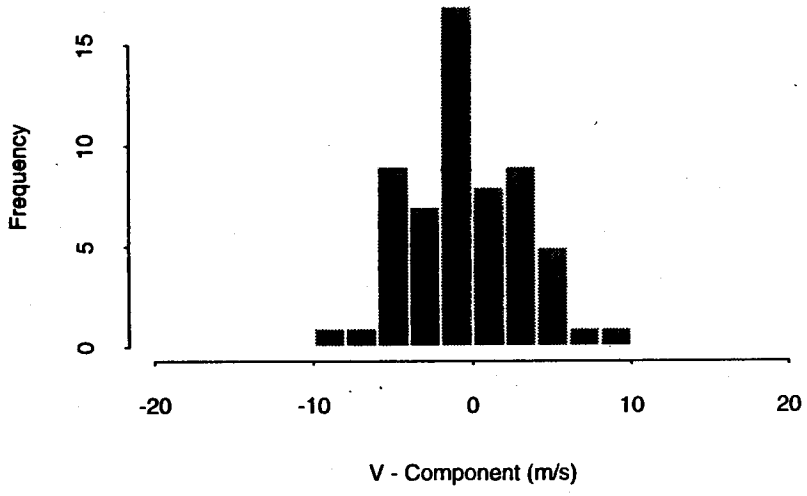
Frequency Distribution of Differences

ELC (Radar Wind Profiler) - MYFR (Radiosonde), 1000M



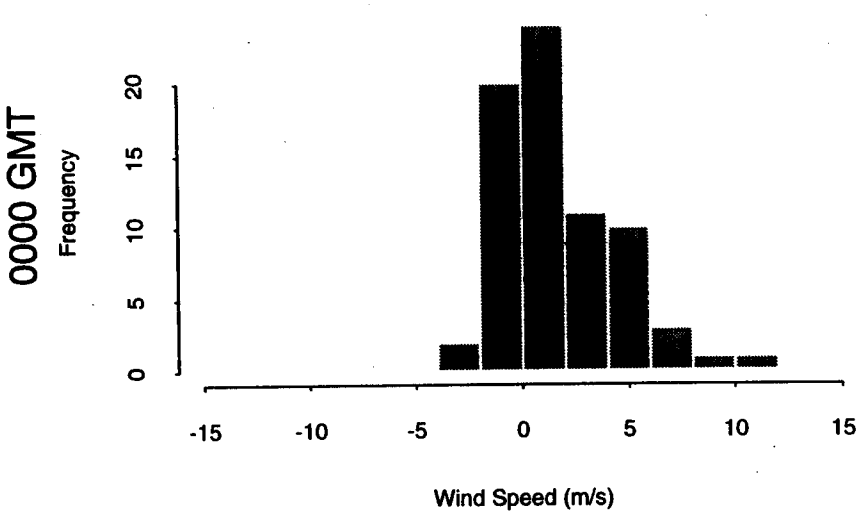


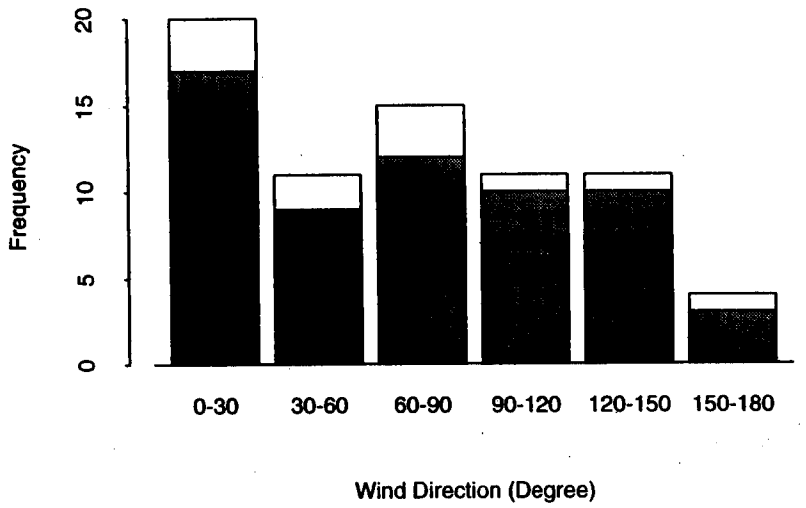


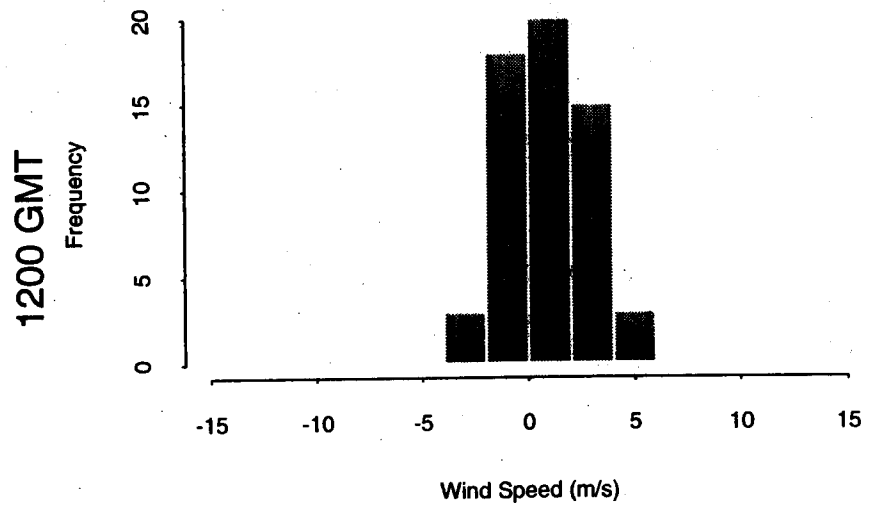


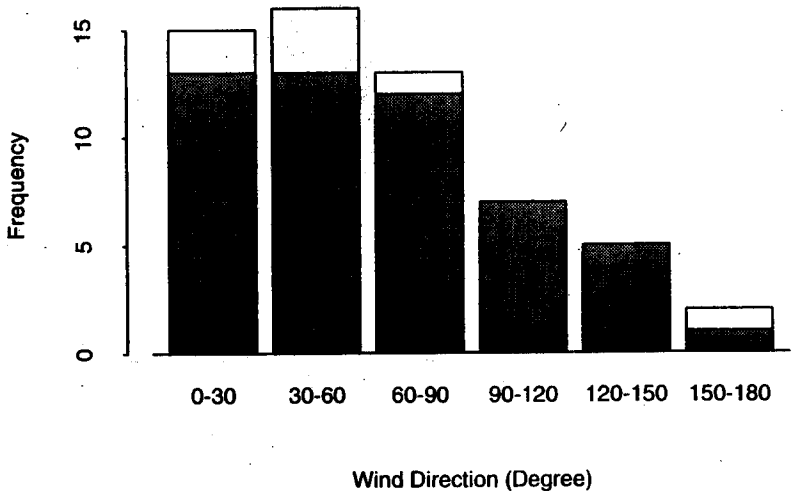
Frequency Distribution of Differences

ELC (Radar Wind Profiler) - MYFR (Radiosonde), 1000M



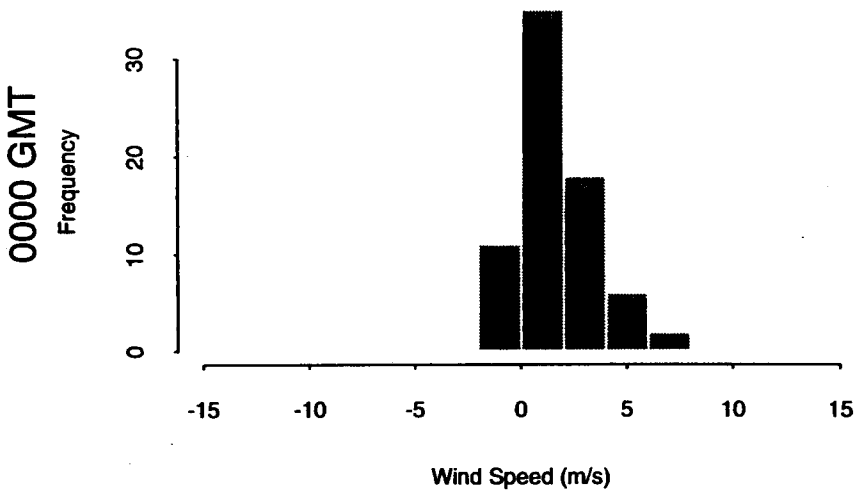


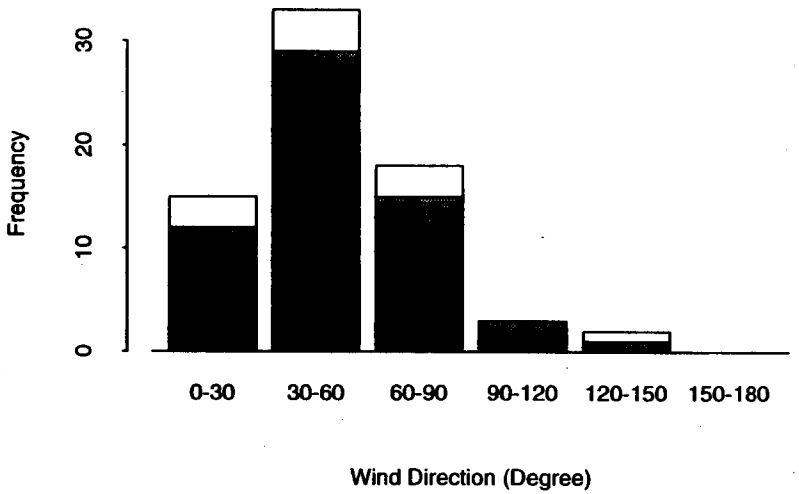


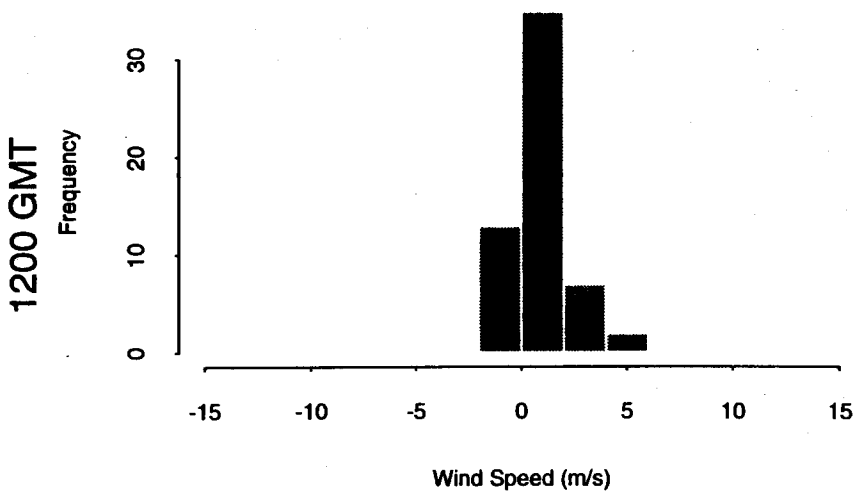


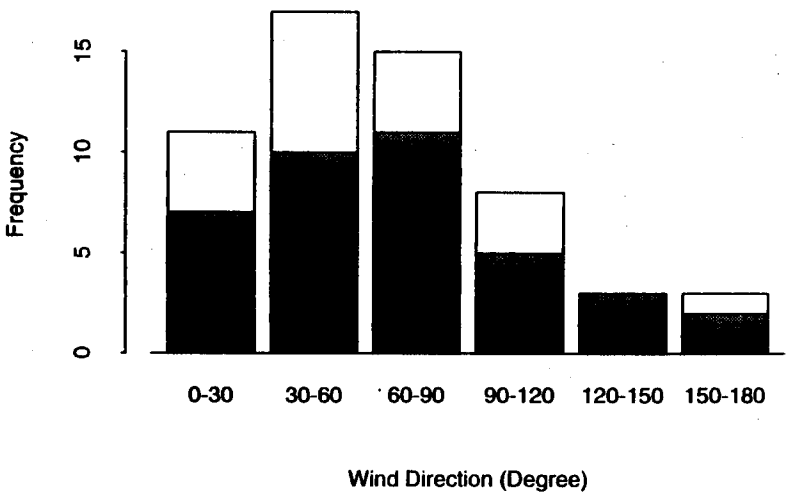
Frequency Distribution of Differences

ELC (Radar Wind Profiler) - MYFR (Radiosonde), 300M



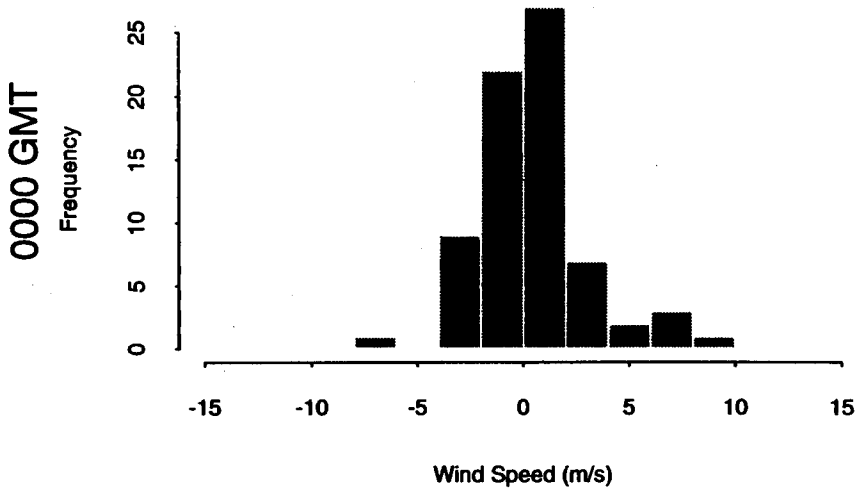


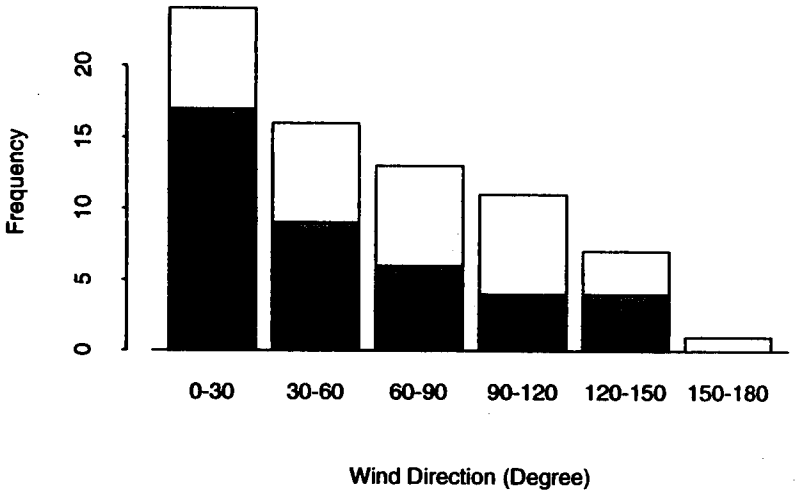


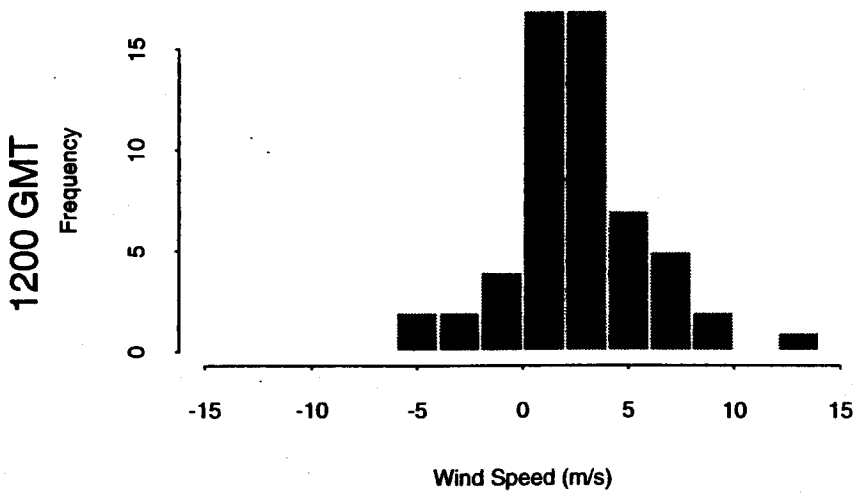


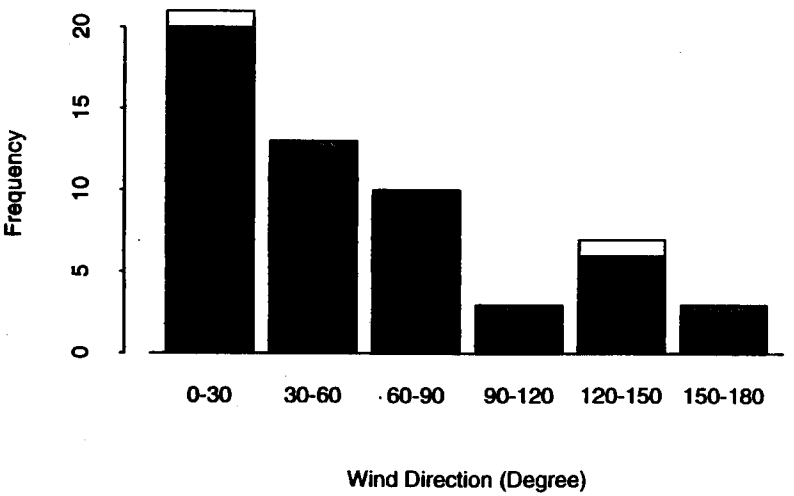
Frequency Distribution of Differences

ELC (Radar Wind Profiler) - MYFR (Radiosonde), 2000M





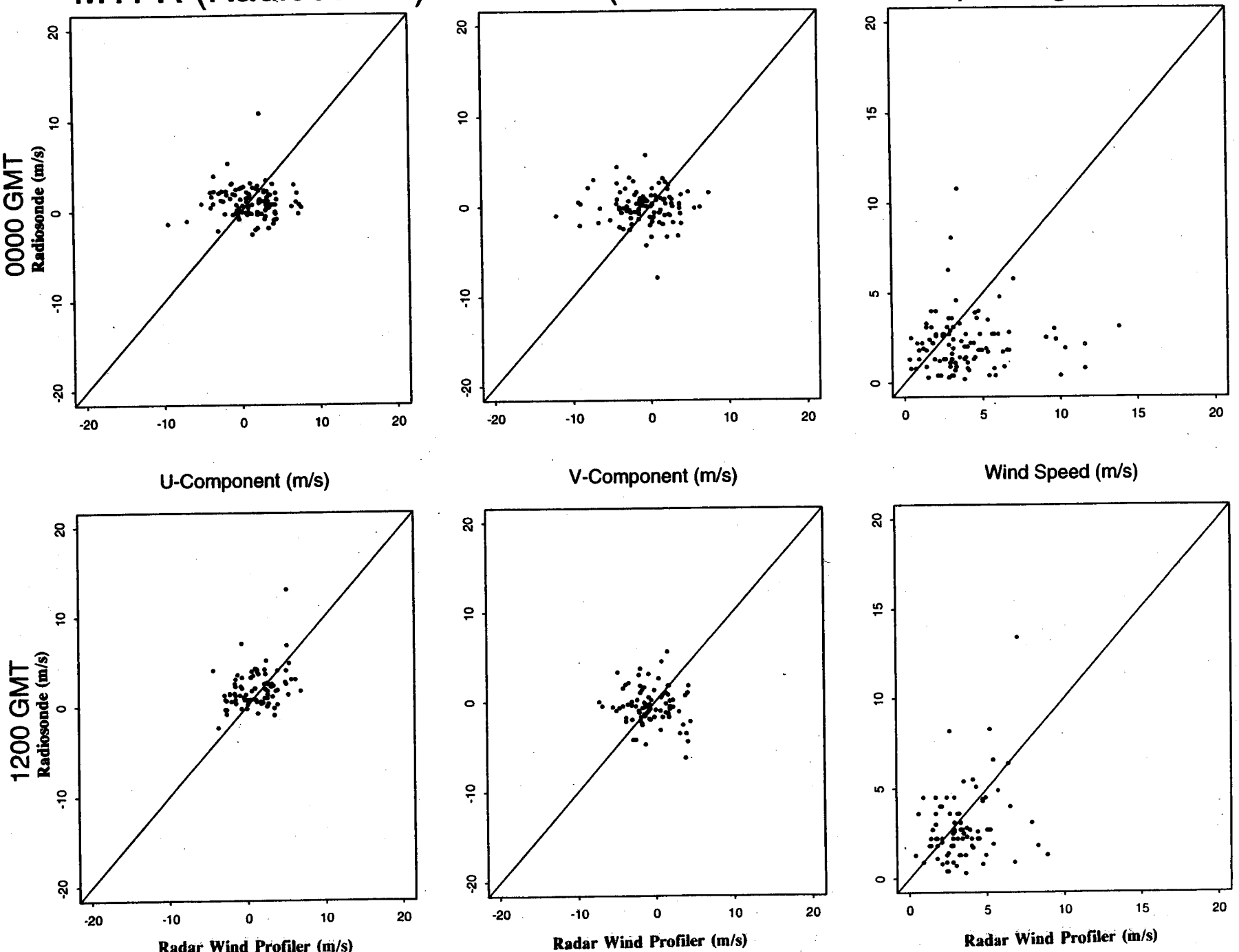




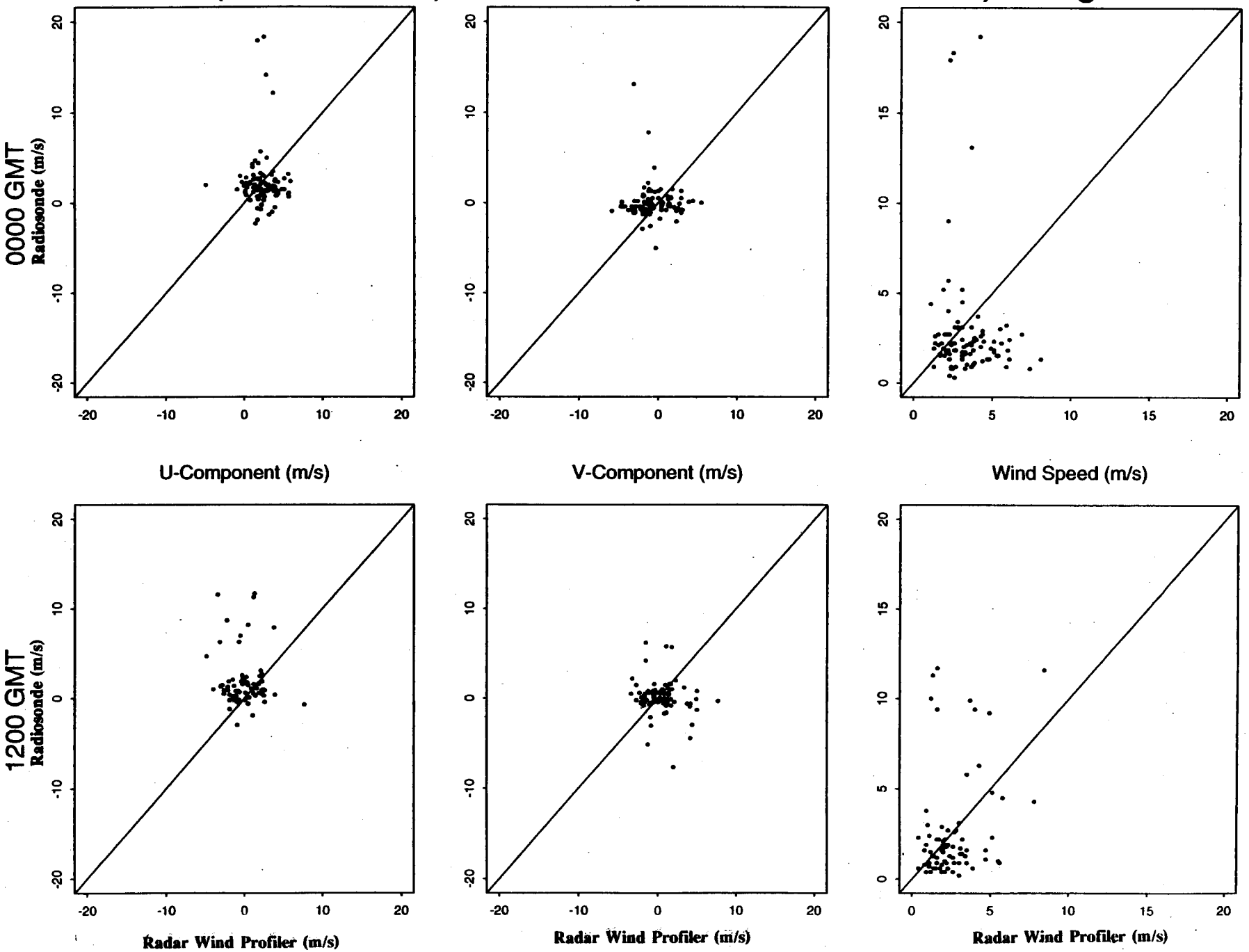
Appendix B2

COMPARISON OF LOW AND HIGH RESOLUTION RADAR WIND PROFILER (RWP) WIND DATA FOR THE SAN DIEGO (SDO) PROFILER SITE WITH THE SAN DIEGO (MYFR) RADIOSONDE DATA

MYFR (Radiosonde) vs SDEH (Radar Wind Profiler), Height=1000M

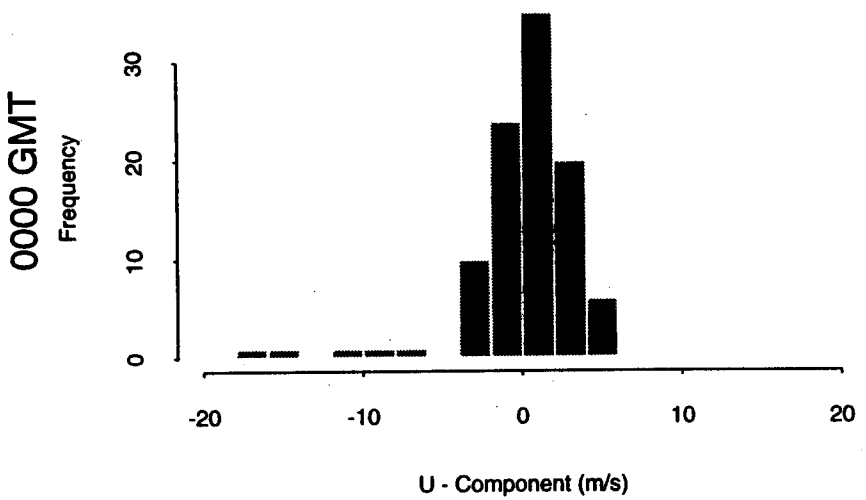


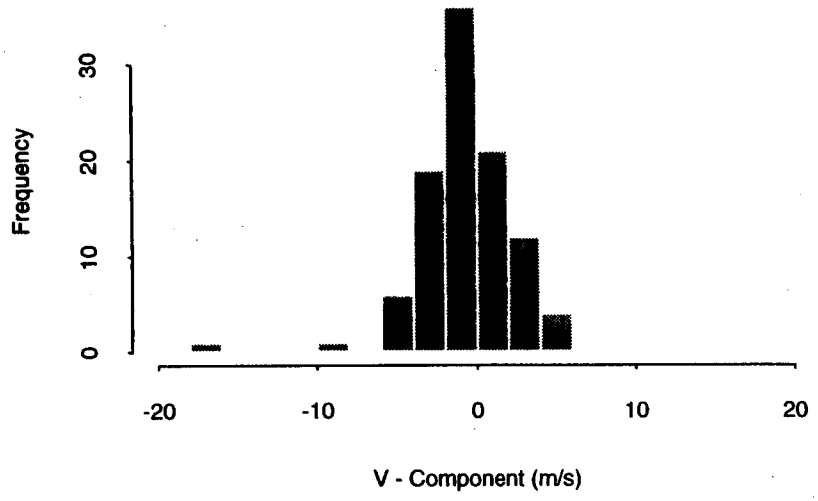
MYFR (Radiosonde) vs SDEH (Radar Wind Profiler), Height=300M

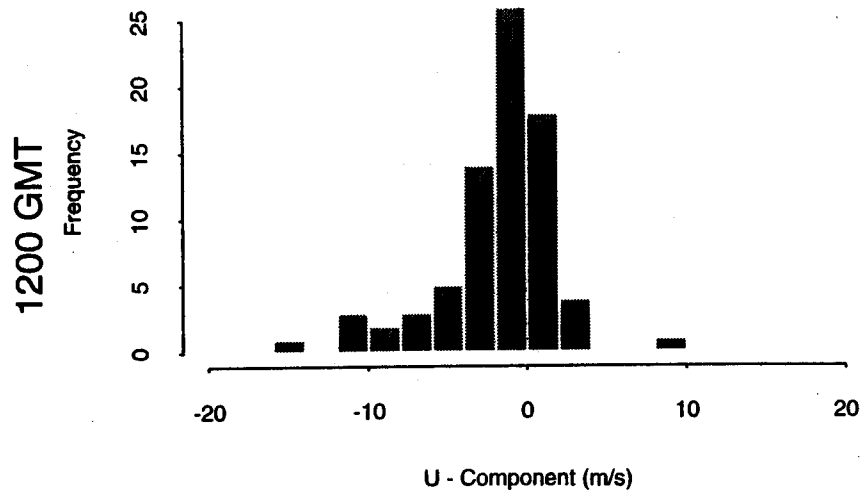


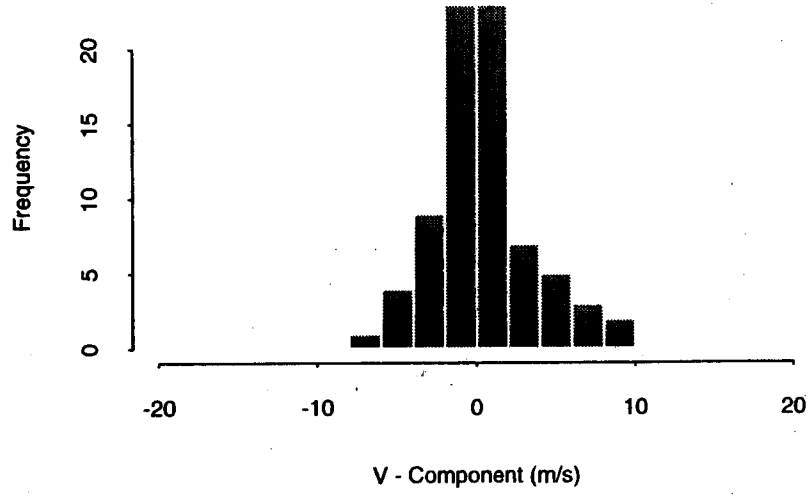
Frequency Distribution of Differences

SDEH (Radar Wind Profiler) - MYFR (Radiosonde), 300M

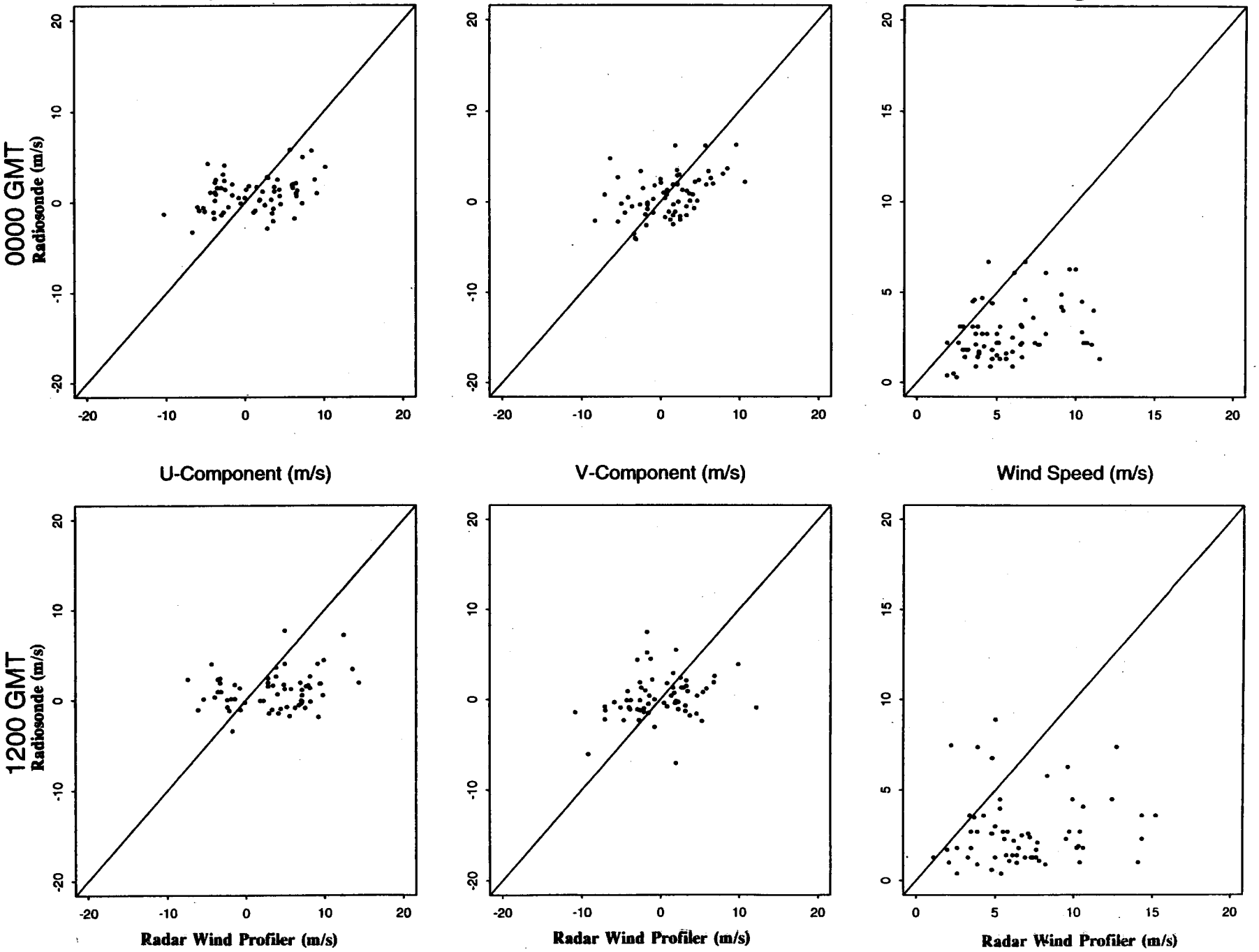






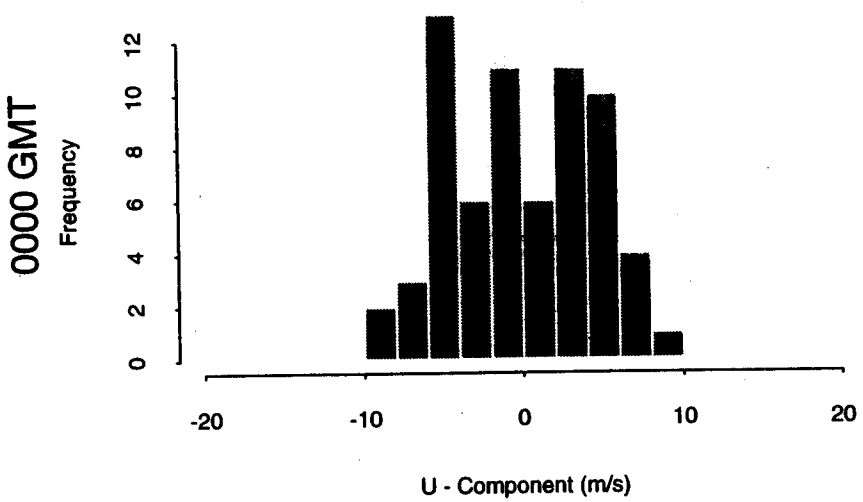


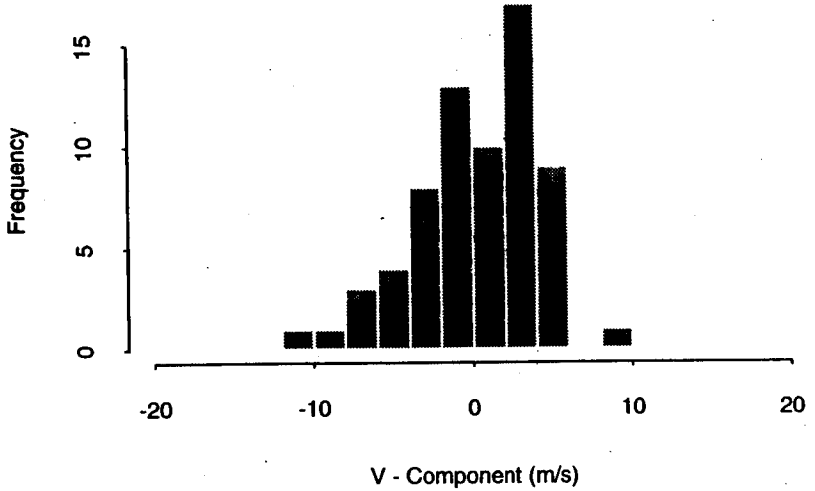
MYFR (Radiosonde) vs SDEH (Radar Wind Profiler), Height=2000M

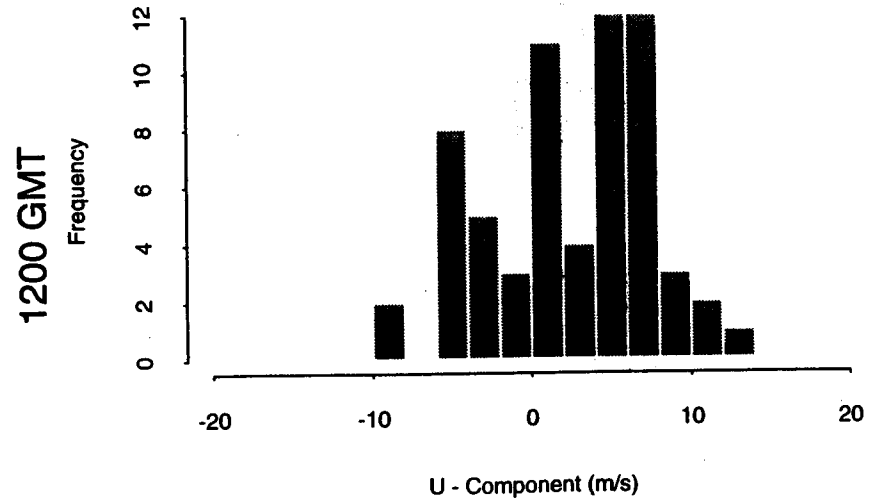


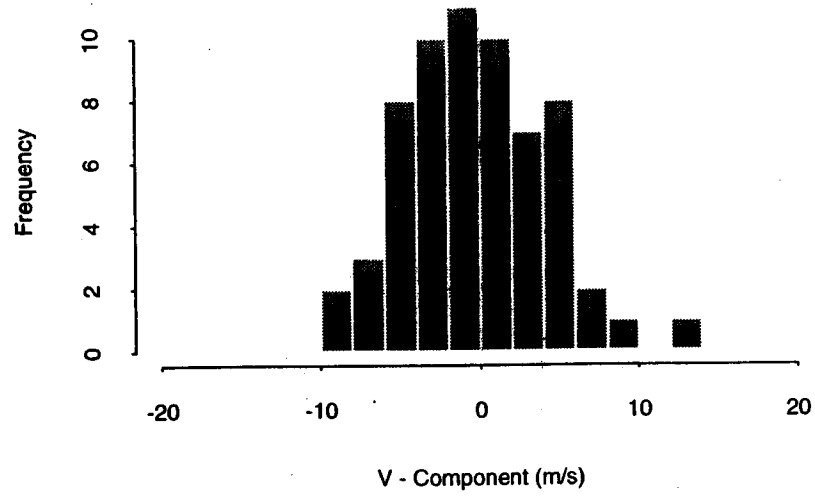
Frequency Distribution of Differences

SDEH (Radar Wind Profiler) - MYFR (Radiosonde), 2000M



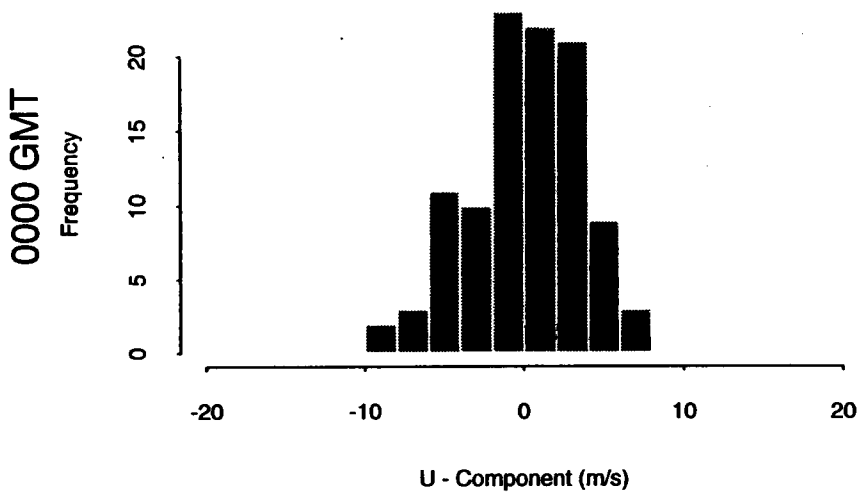


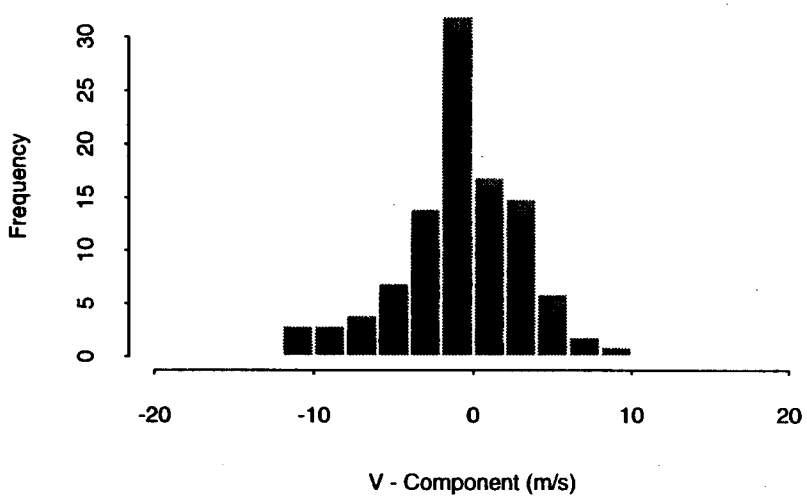


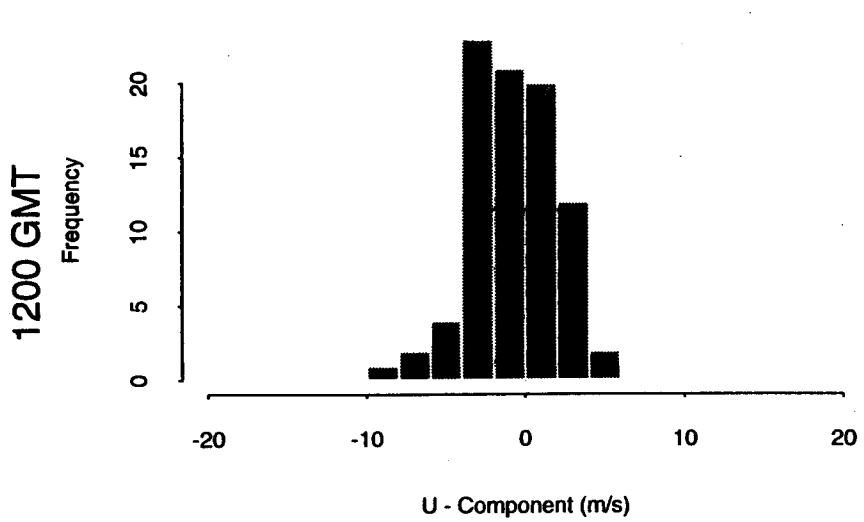


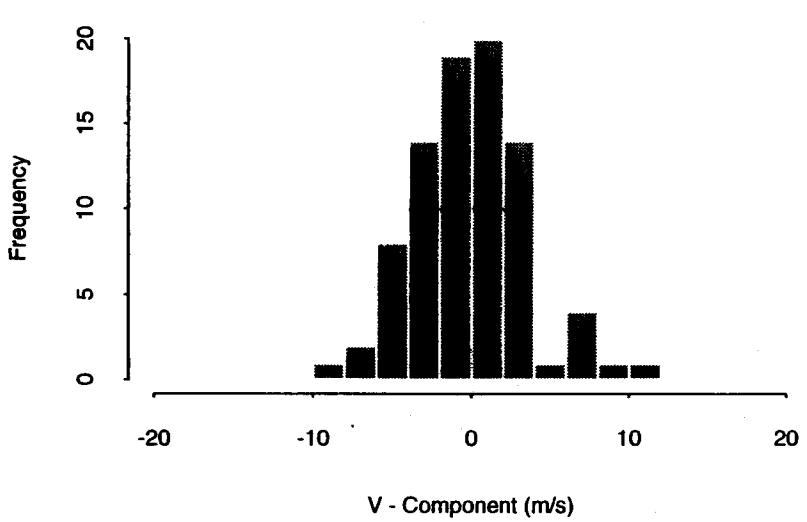
Frequency Distribution of Differences

SDEH (Radar Wind Profiler) - MYFR (Radiosonde), 1000M



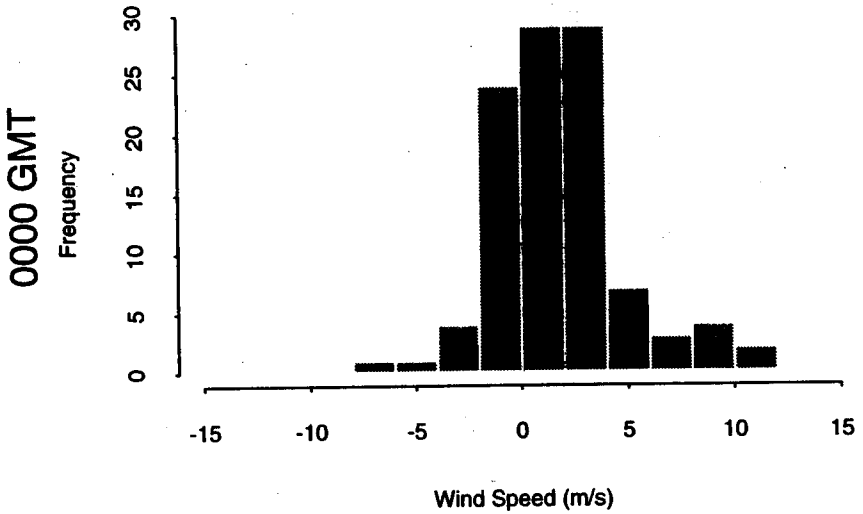


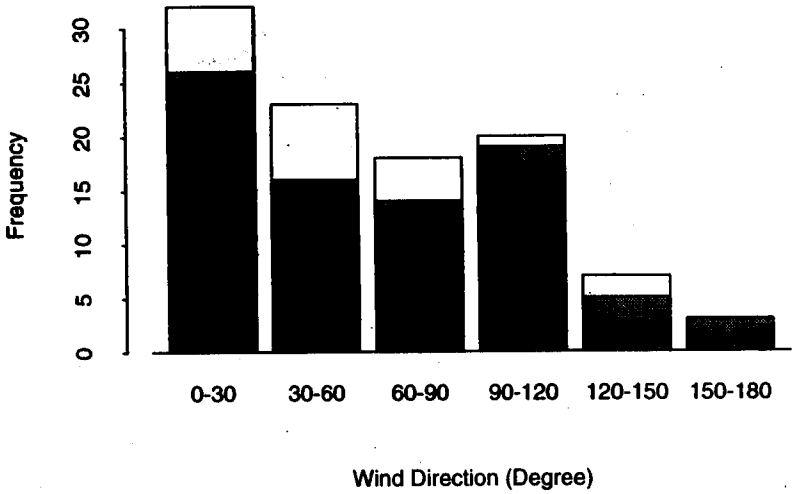


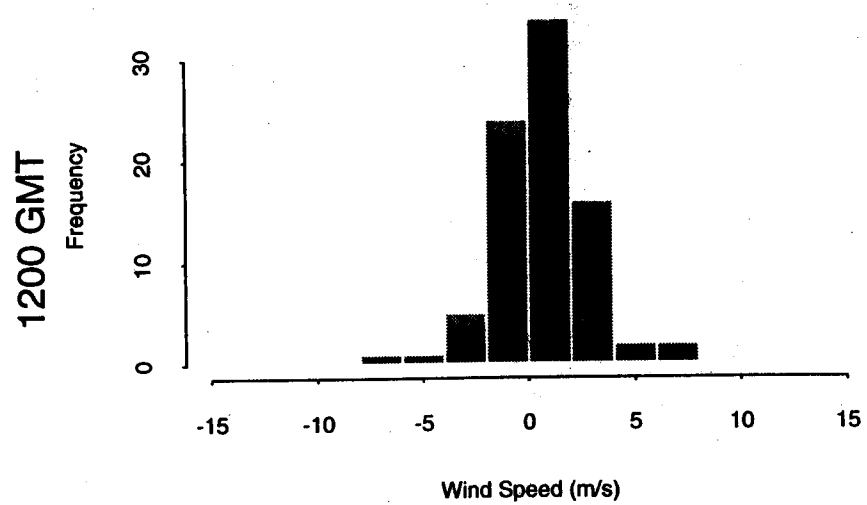


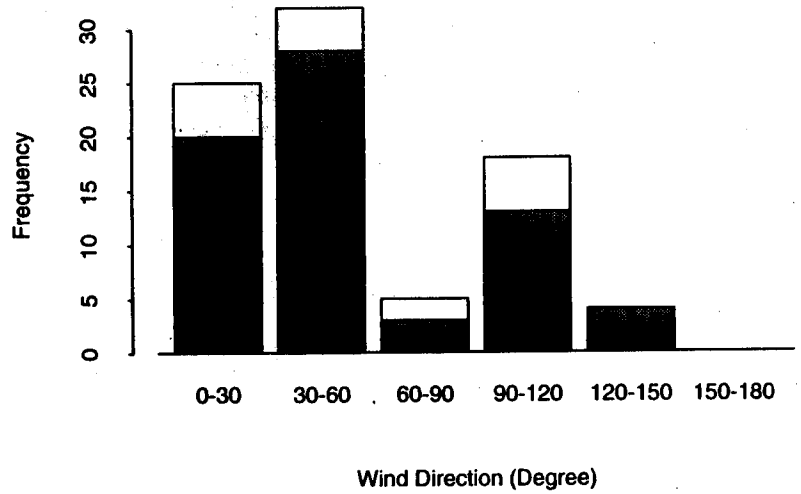
Frequency Distribution of Differences

SDEH (Radar Wind Profiler) - MYFR (Radiosonde), 1000M



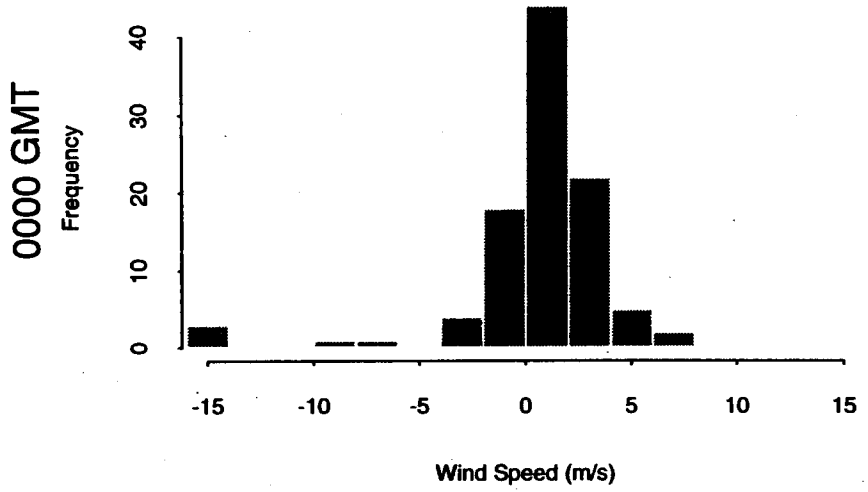


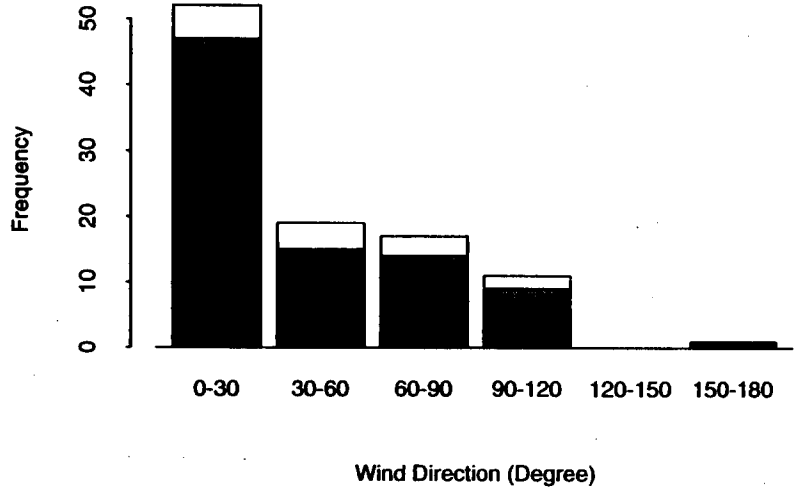


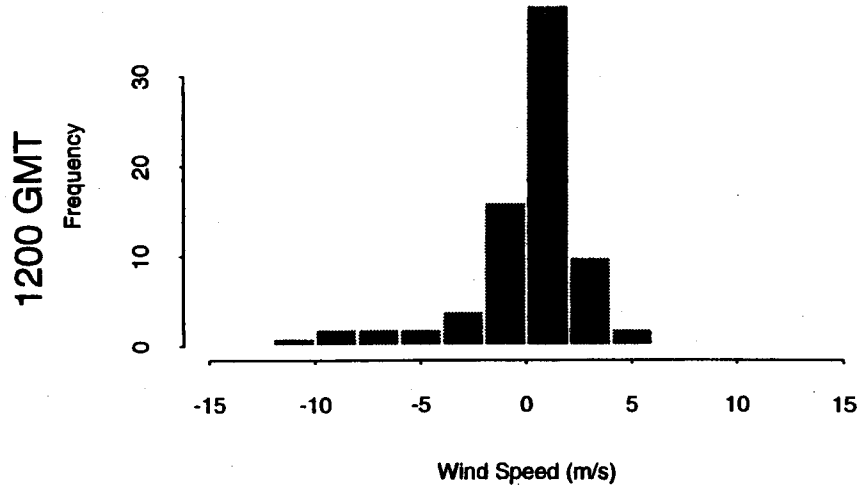


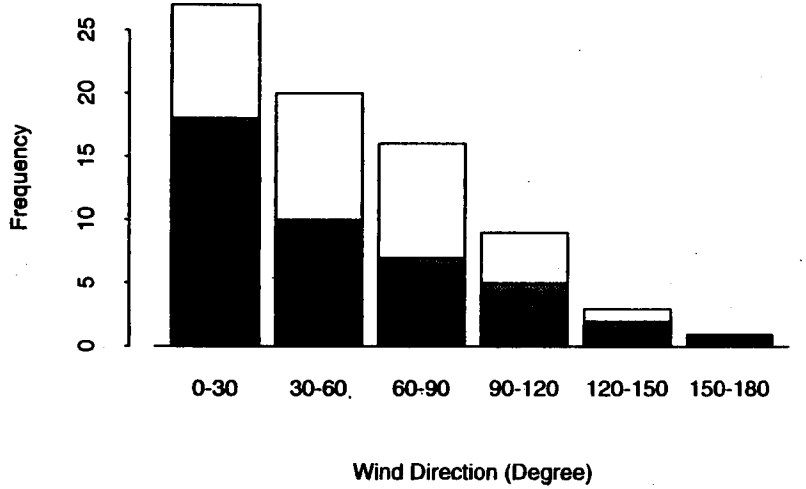
Frequency Distribution of Differences

SDEH (Radar Wind Profiler) - MYFR (Radiosonde), 300M

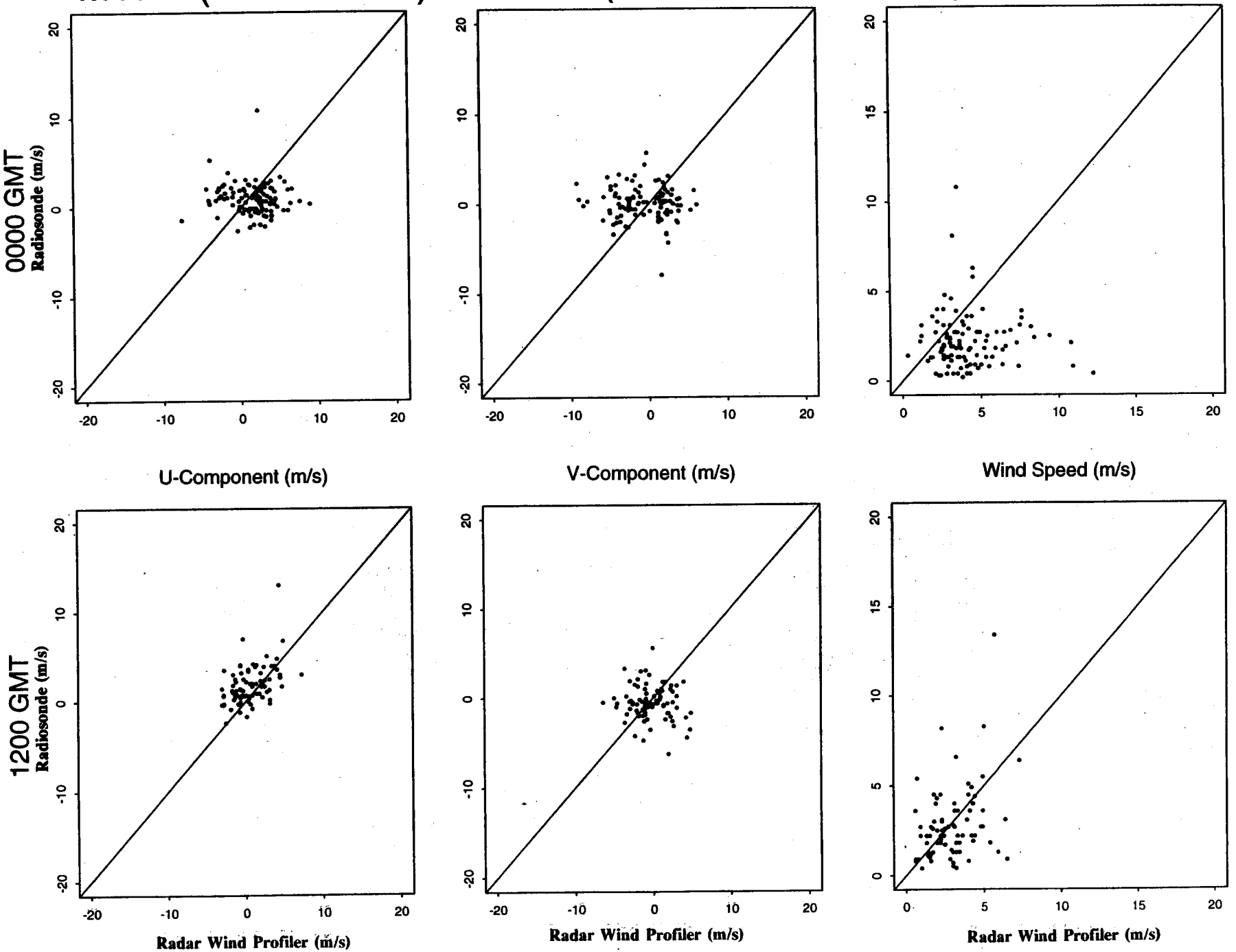






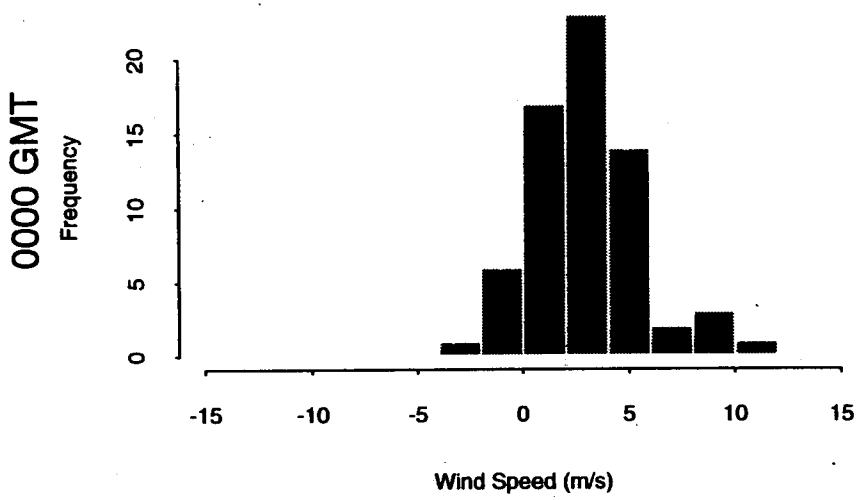


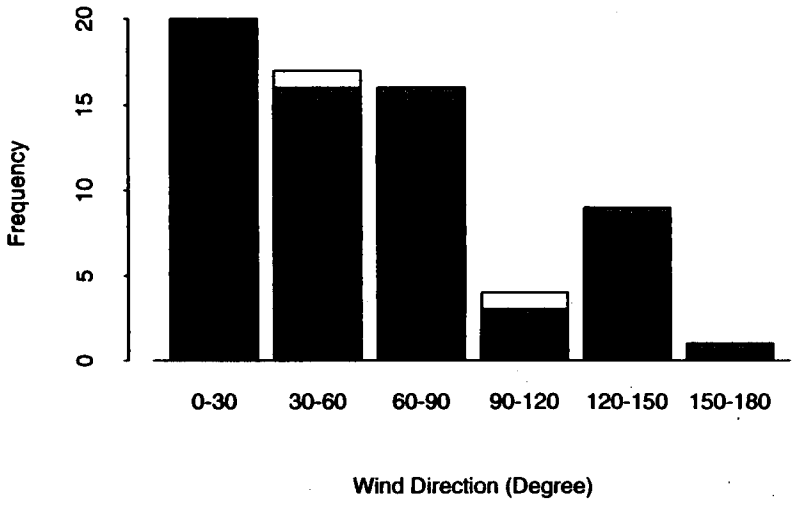
MYFR (Radiosonde) vs SDEL (Radar Wind Profiler), Height=1000M

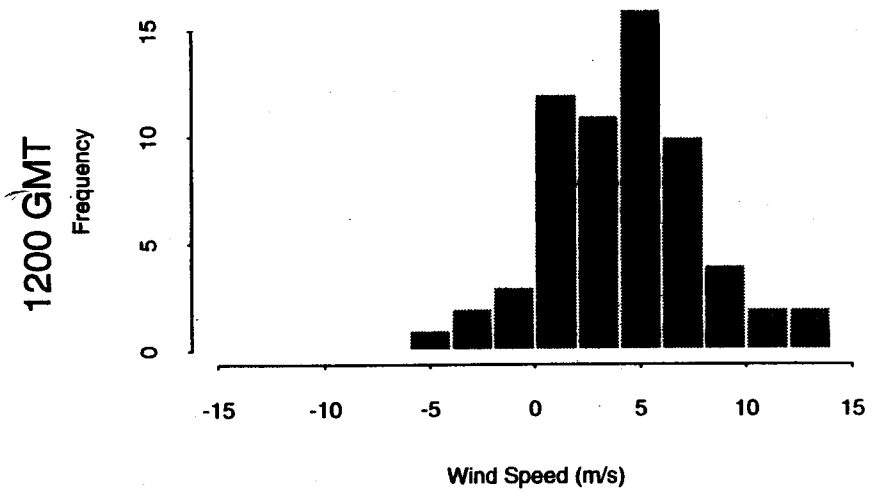


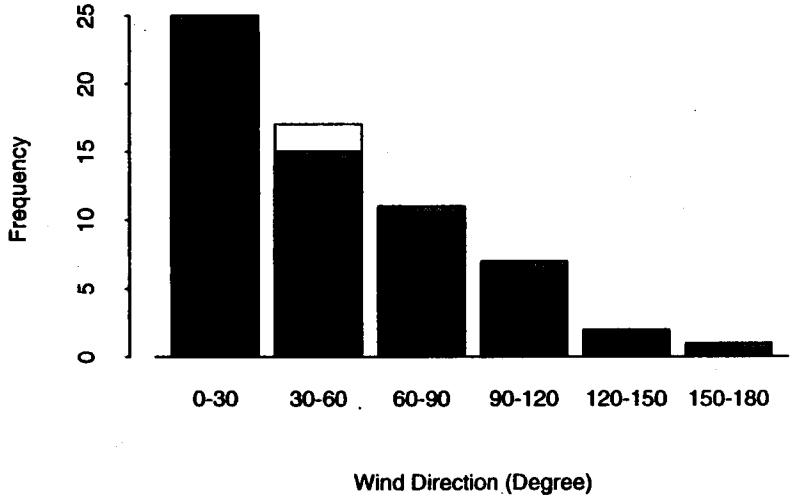
Frequency Distribution of Differences

SDEH (Radar Wind Profiler) - MYFR (Radiosonde), 2000M

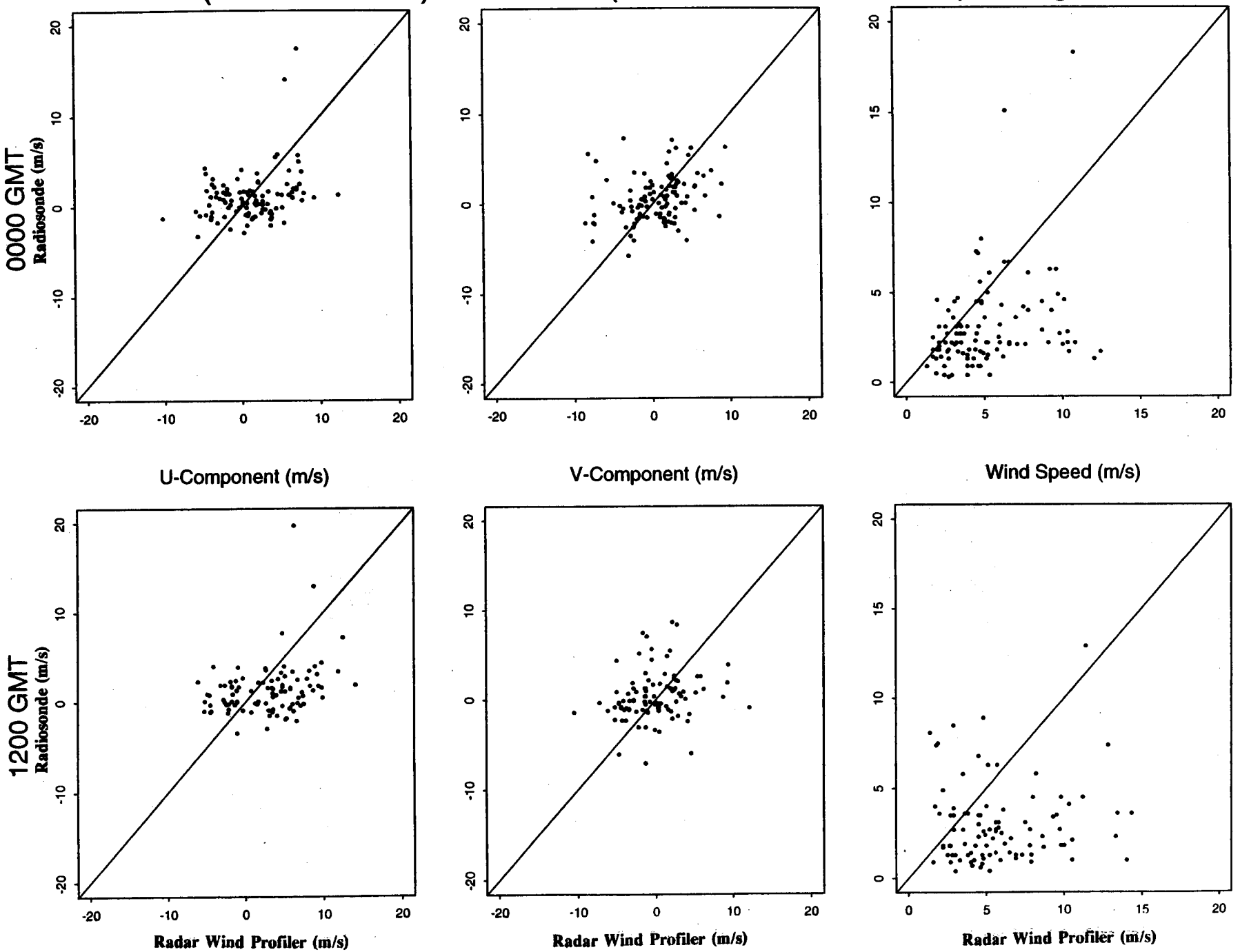






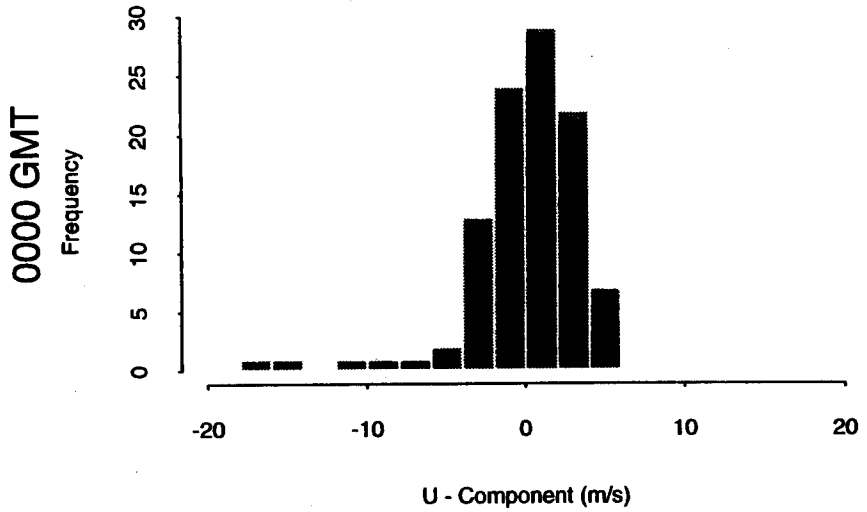


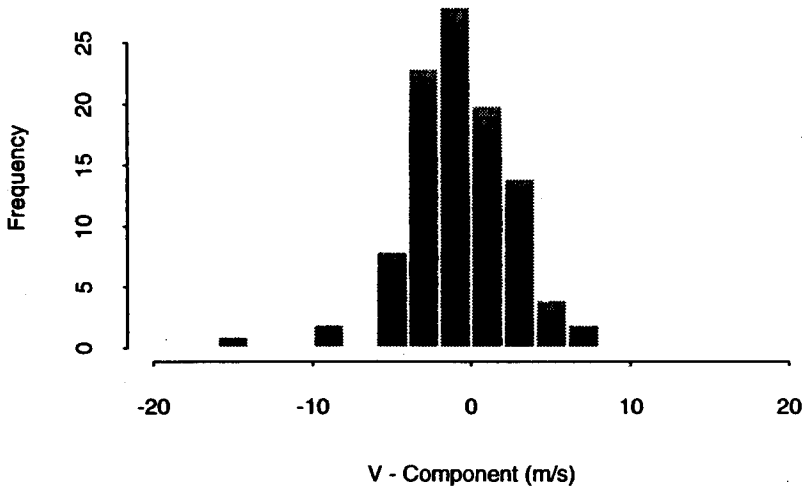
MYFR (Radiosonde) vs SDEL (Radar Wind Profiler), Height=2000M

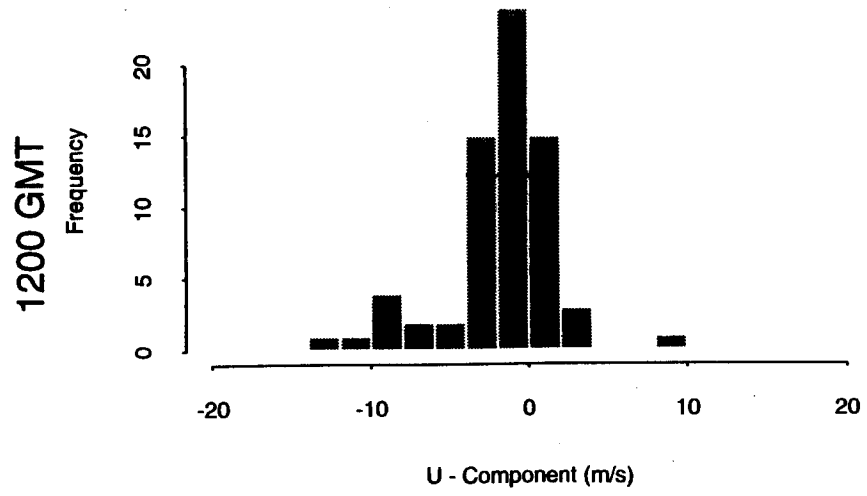


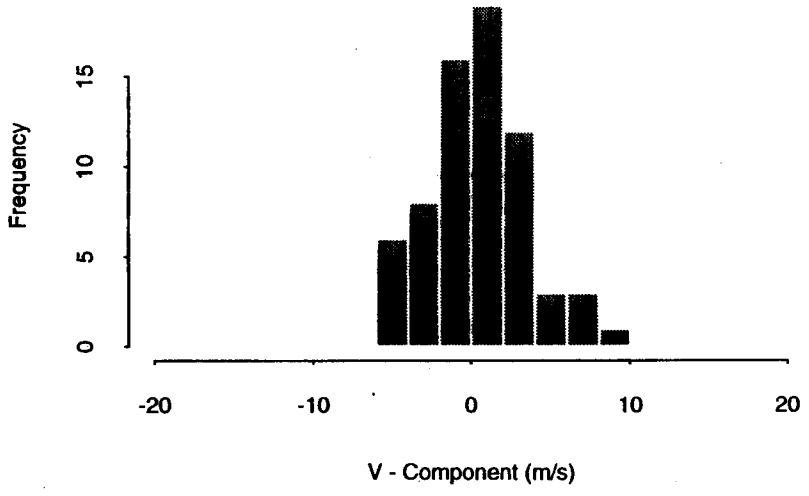
Frequency Distribution of Differences

SDEL (Radar Wind Profiler) - MYFR (Radiosonde), 300M



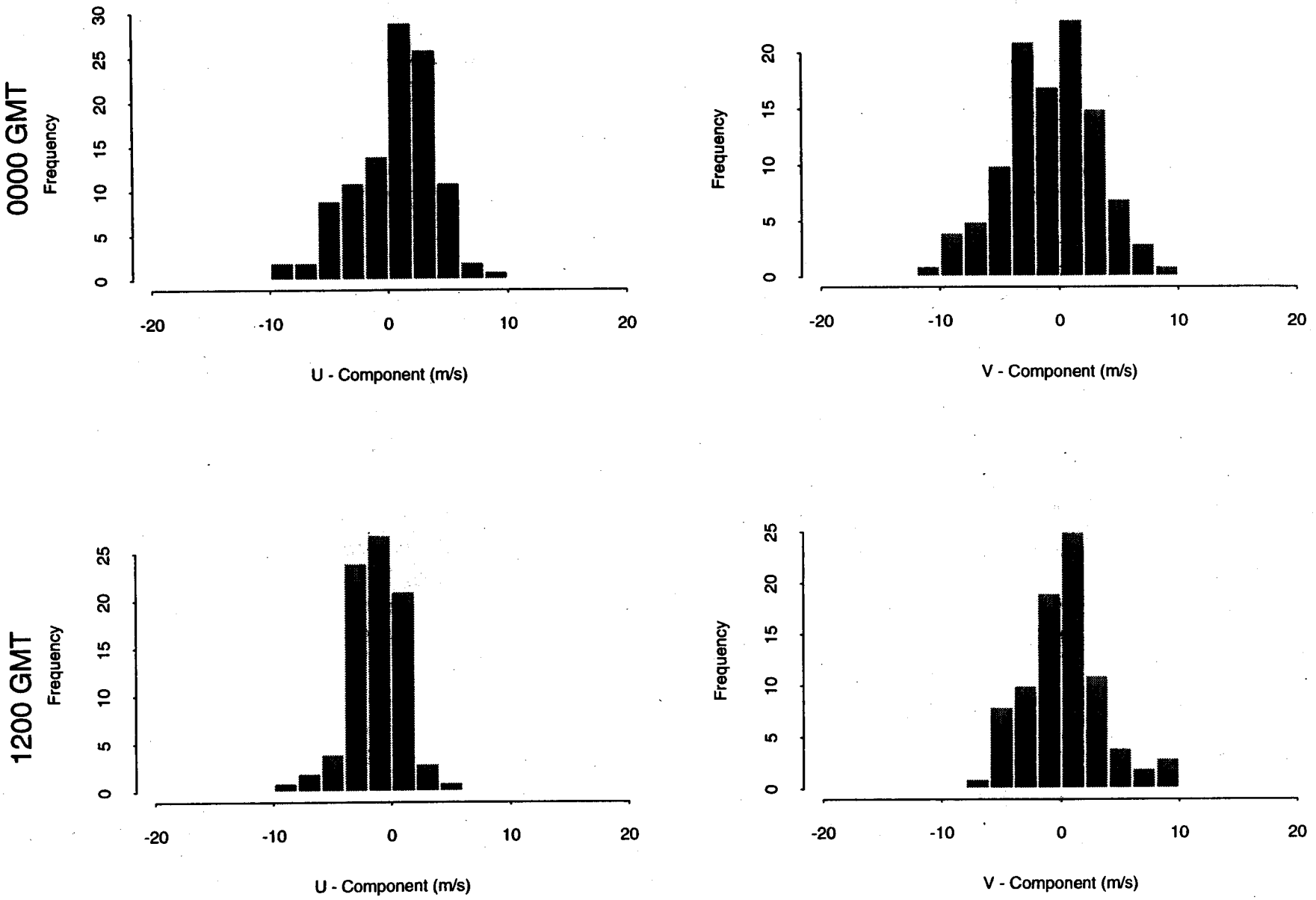






Frequency Distribution of Differences

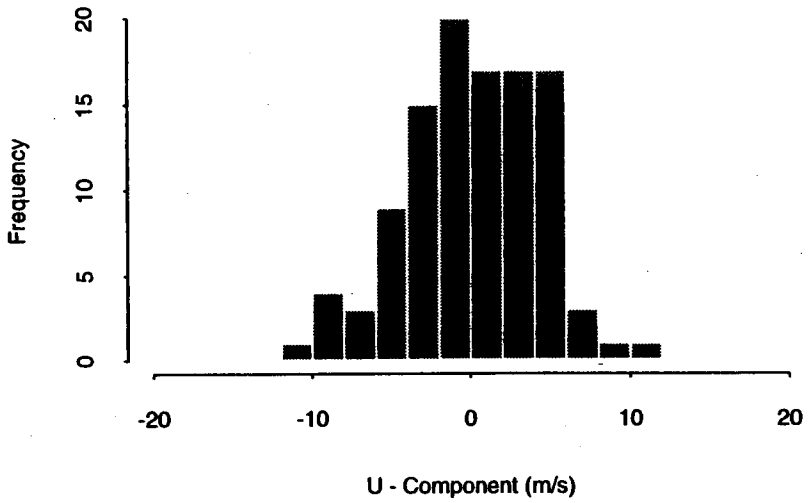
SDEL (Radar Wind Profiler) - MYFR (Radiosonde), 1000M

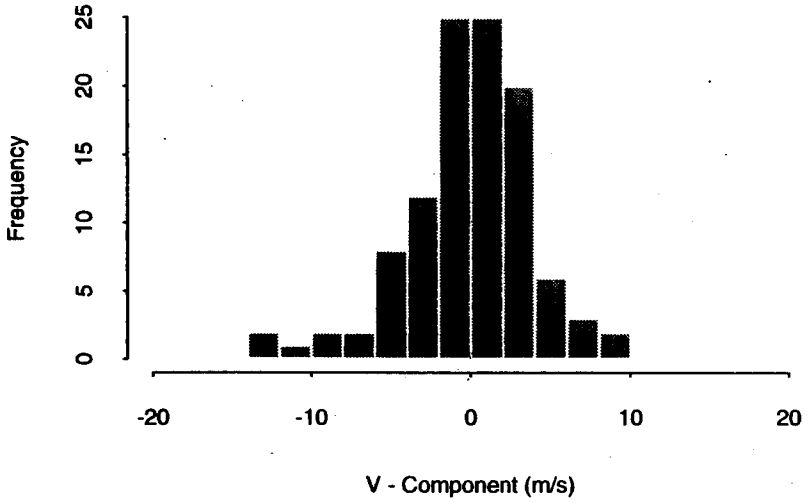


Frequency Distribution of Differences

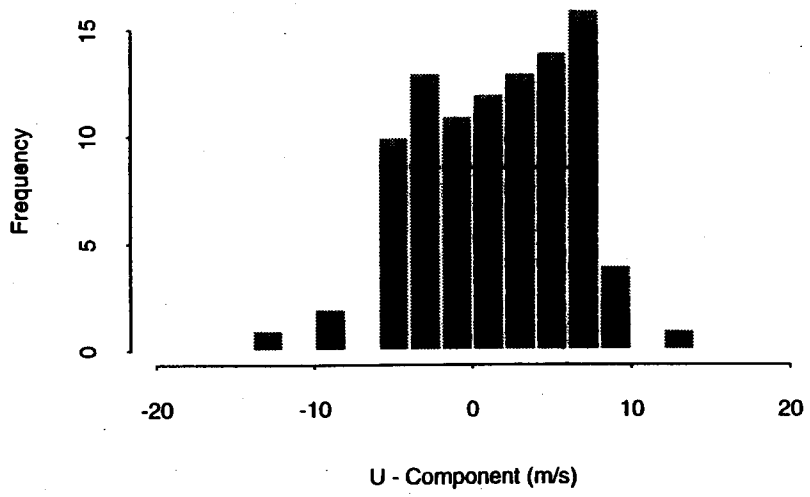
SDEL (Radar Wind Profiler) - MYFR (Radiosonde), 2000M

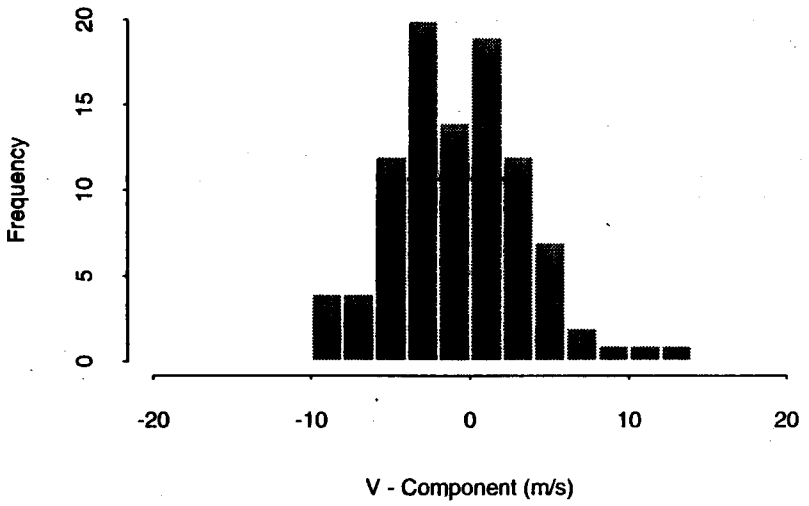
0000 GMT





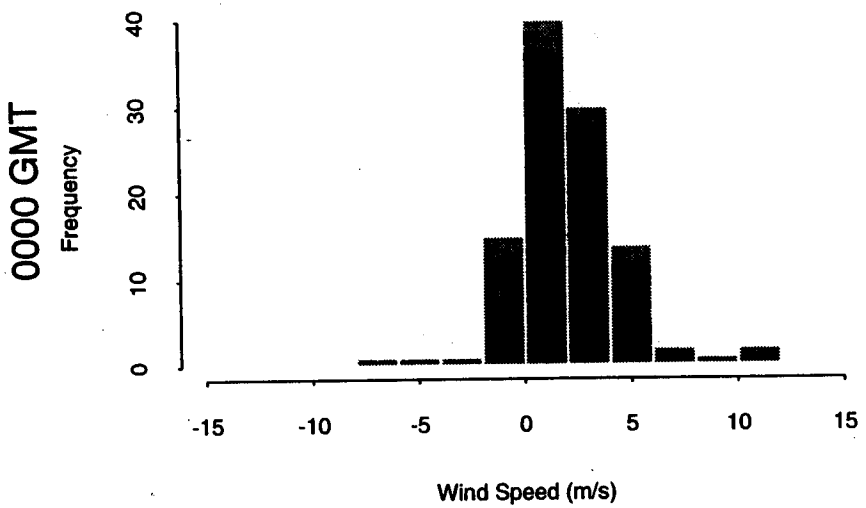
1200 GMT

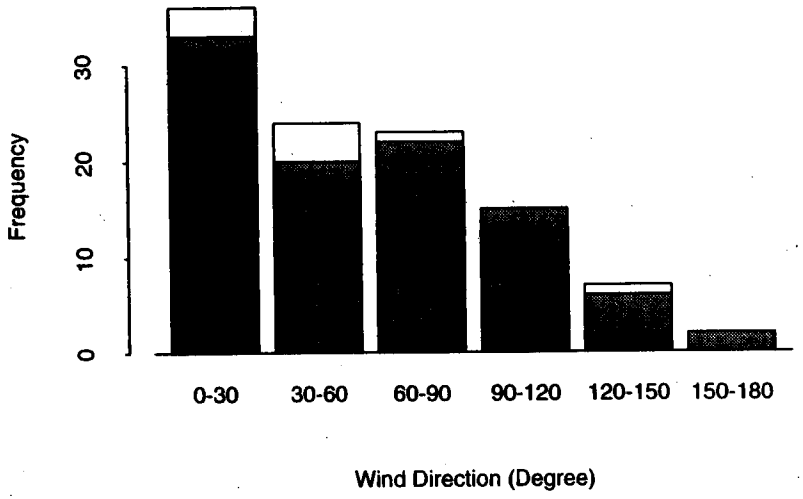


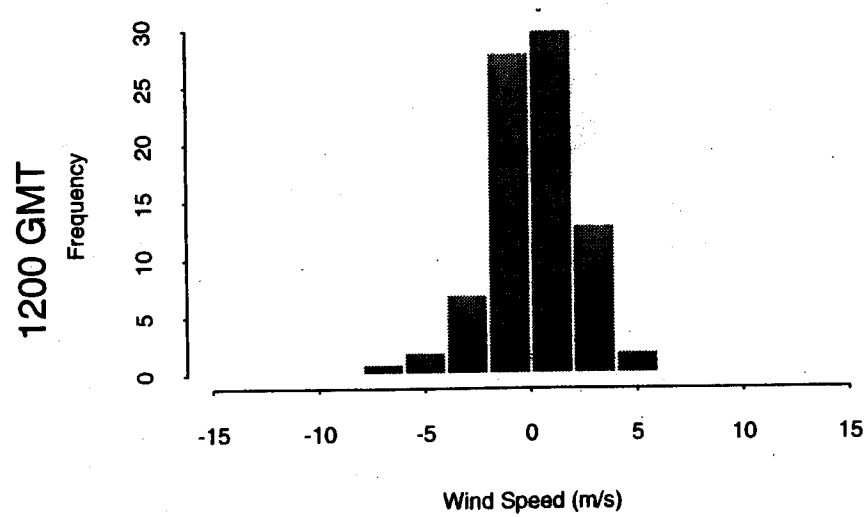


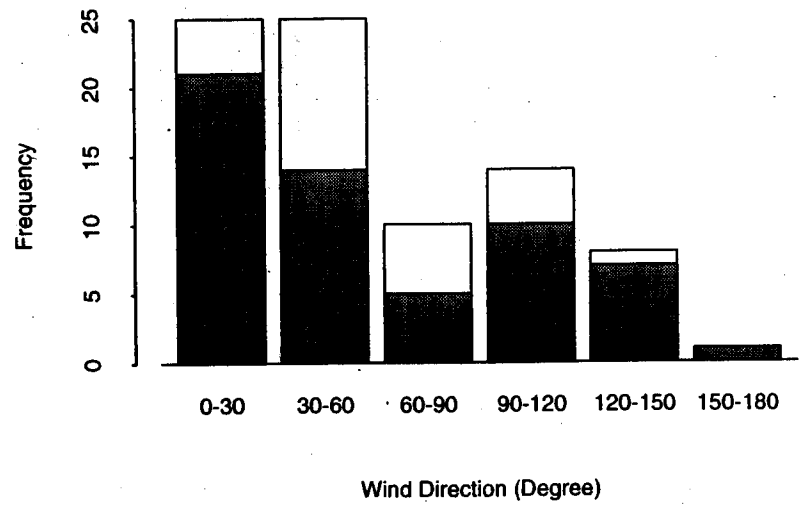
Frequency Distribution of Differences

SDEL (Radar Wind Profiler) - MYFR (Radiosonde), 1000M



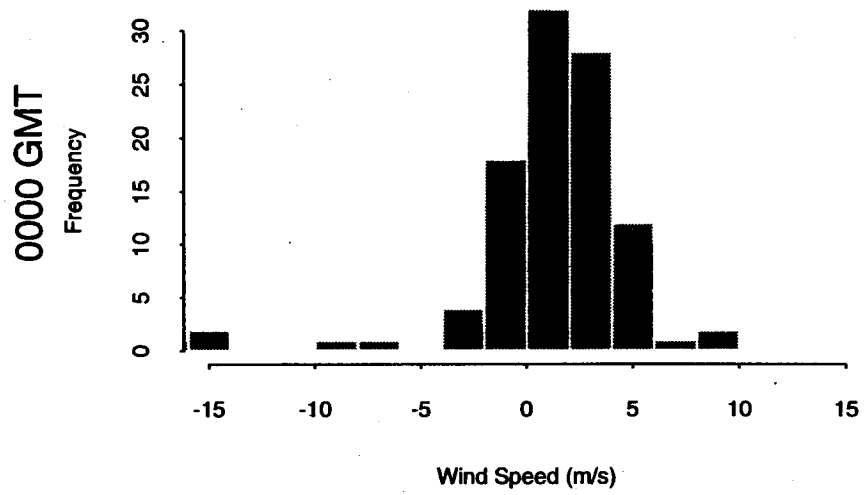


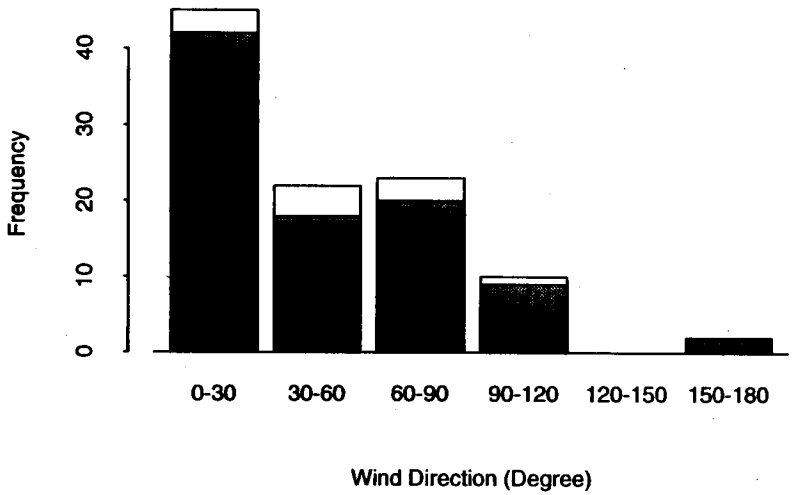


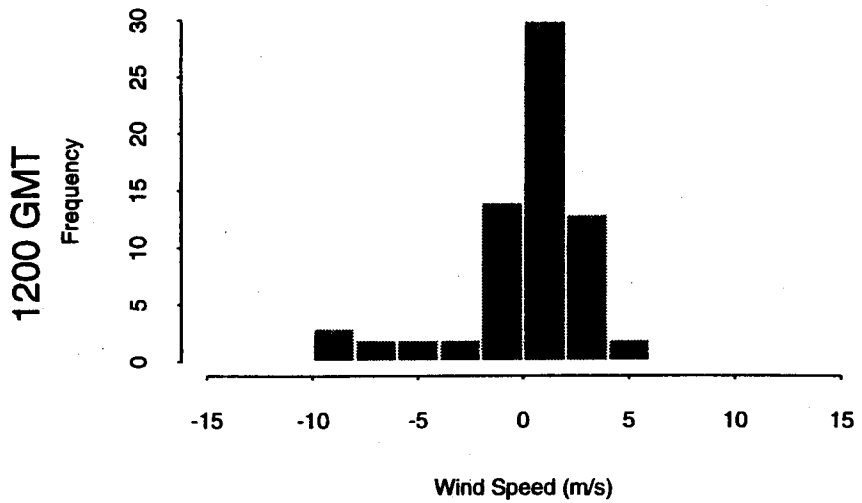


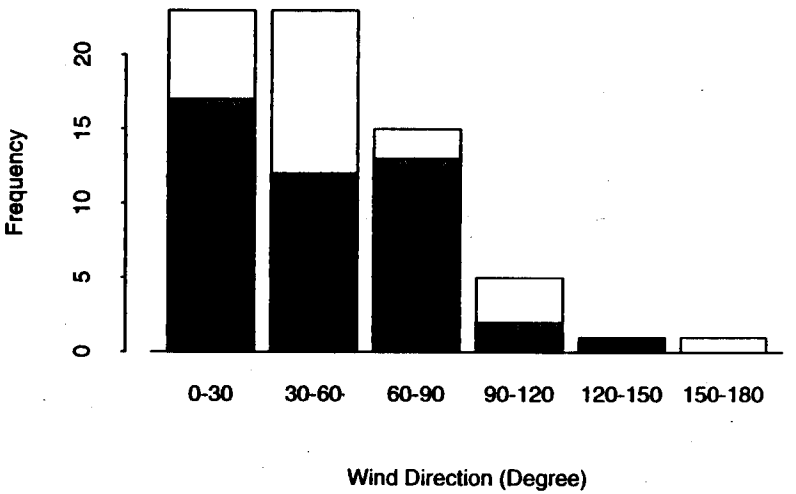
Frequency Distribution of Differences

SDEL (Radar Wind Profiler) - MYFR (Radiosonde), 300M



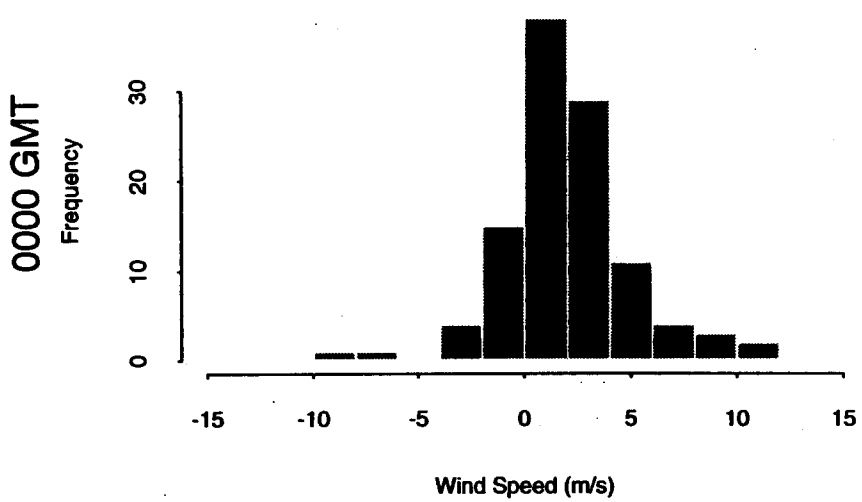


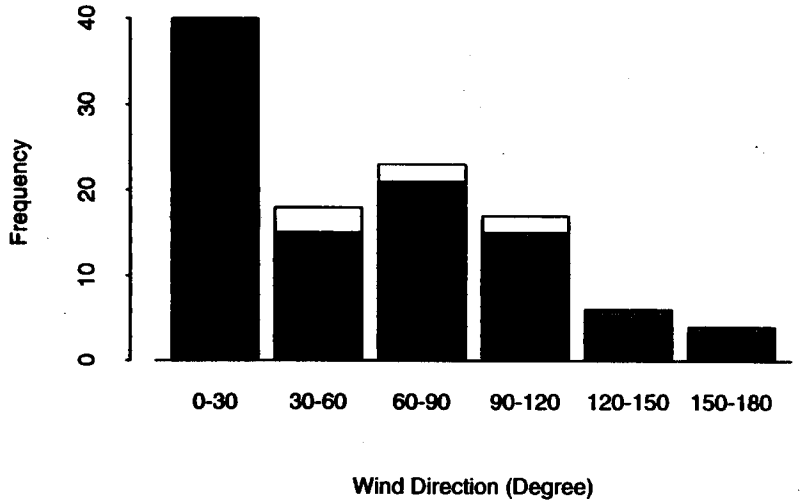


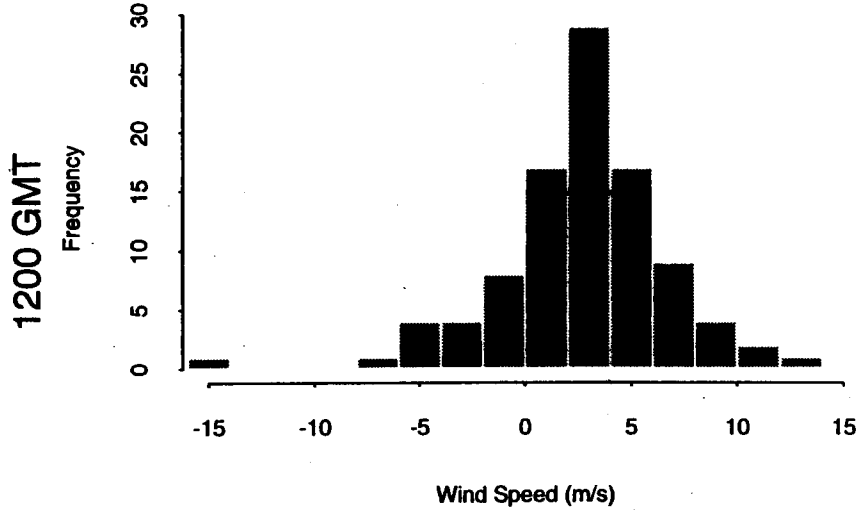


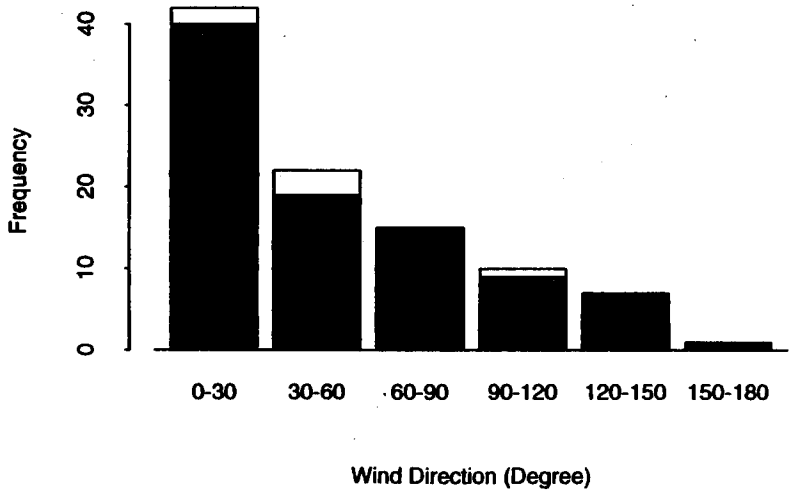
Frequency Distribution of Differences

SDEL (Radar Wind Profiler) - MYFR (Radiosonde), 2000M





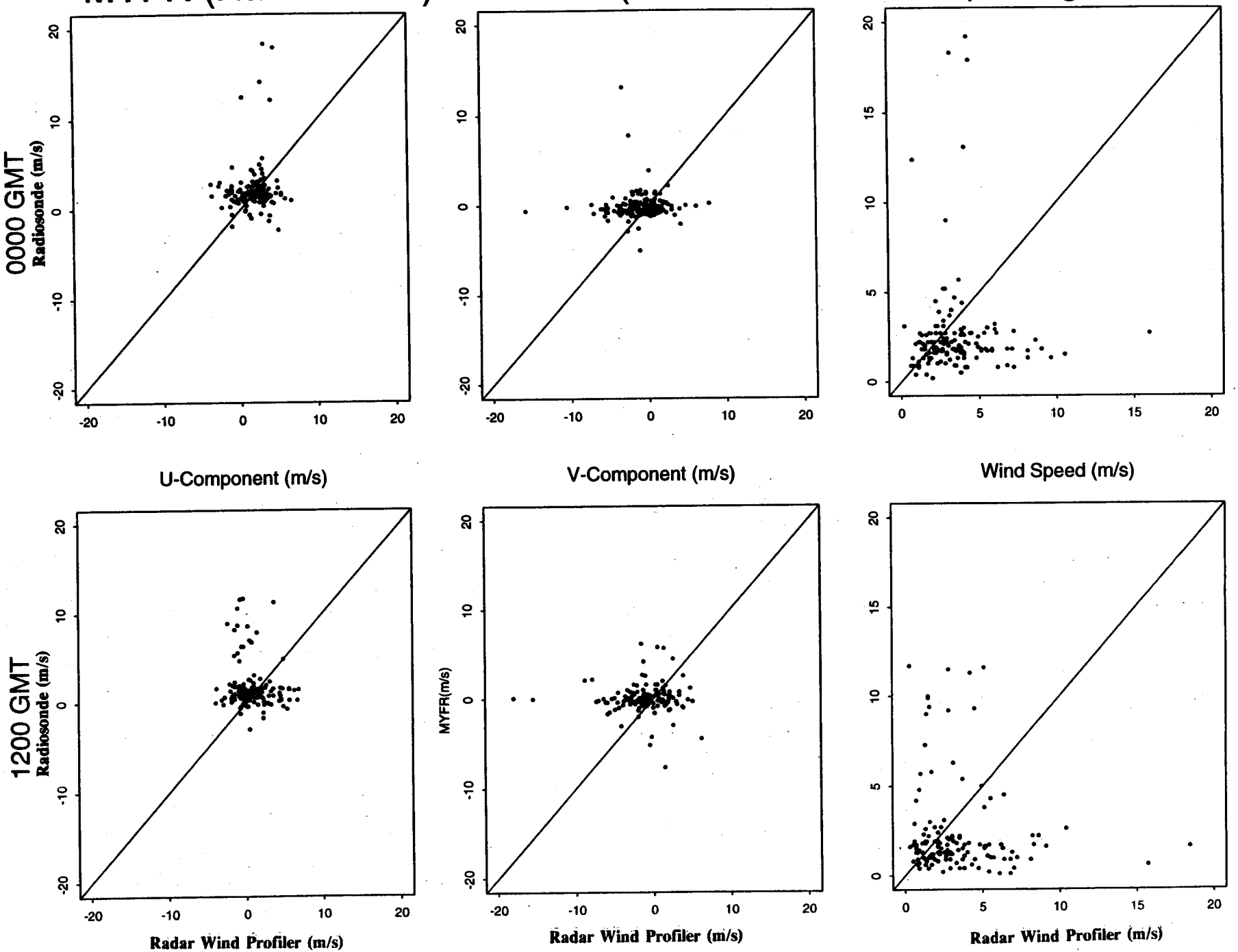




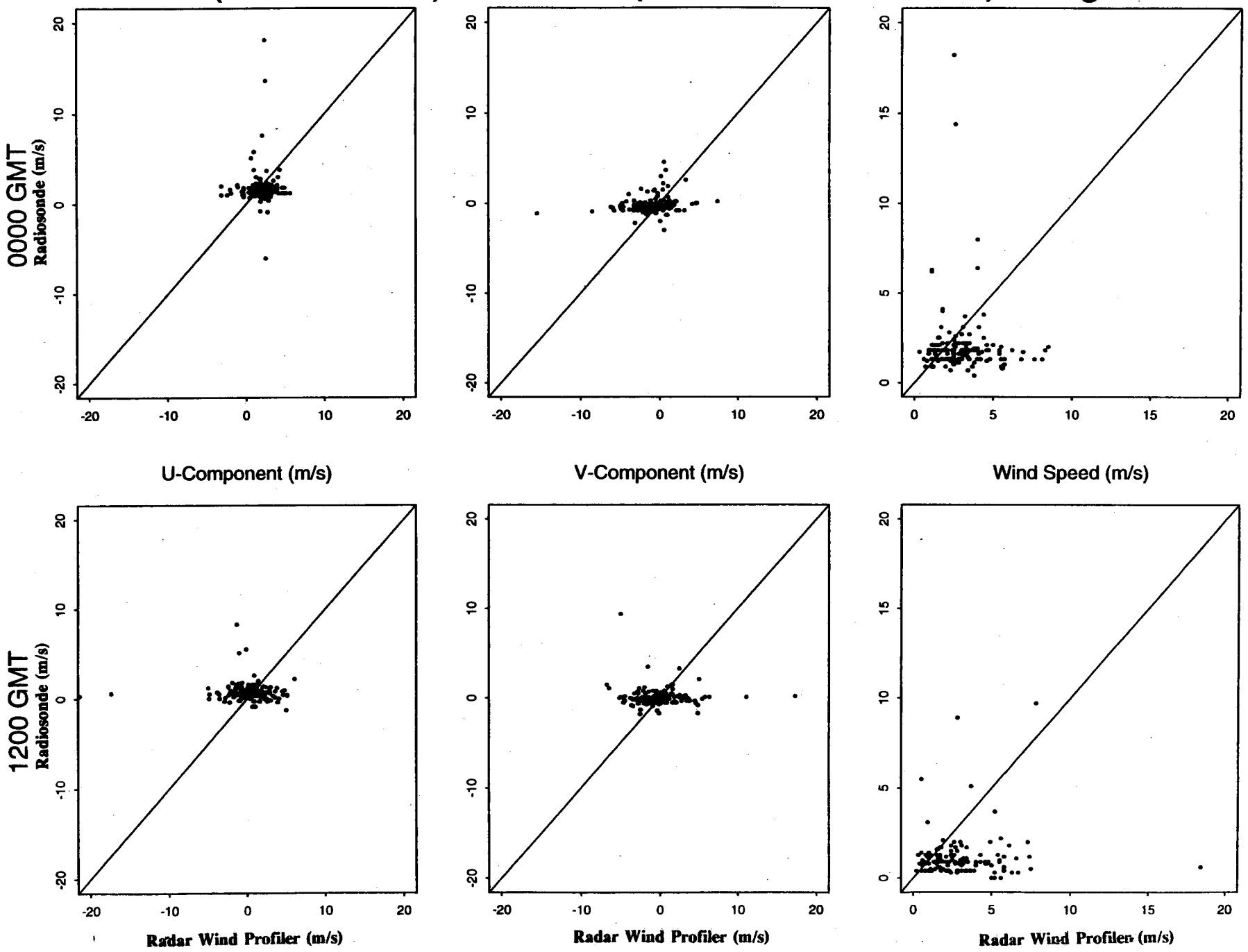
Appendix B3

SCATTER PLOTS OF U AND V WIND COMPONENTS AND WIND SPEEDS AND HISTOGRAMS OF DIFFERENCES BETWEEN U AND V WIND COMPONENT, WIND SPEED, AND WIND DIRECTION DATA FOR UNEDITED RADAR WIND PROFILER (RWP) WIND DATA FOR THE SAN DIEGO (SDO) PROFILER SITE AND THE SAN DIEGO (MYFR) RADIOSONDE DATA

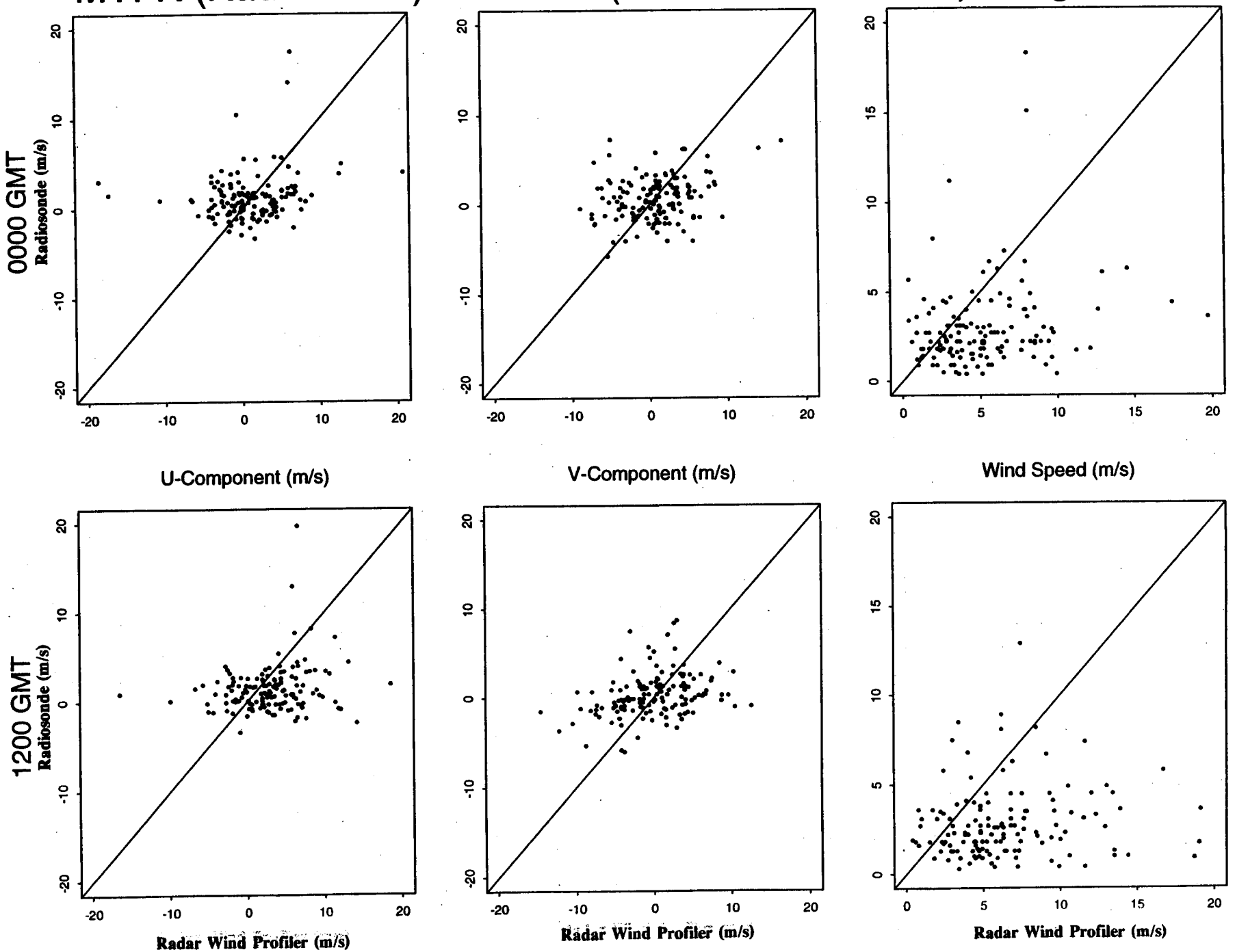
MYFR (Radiosonde) vs SDOR (Radar Wind Profiler), Height=300M



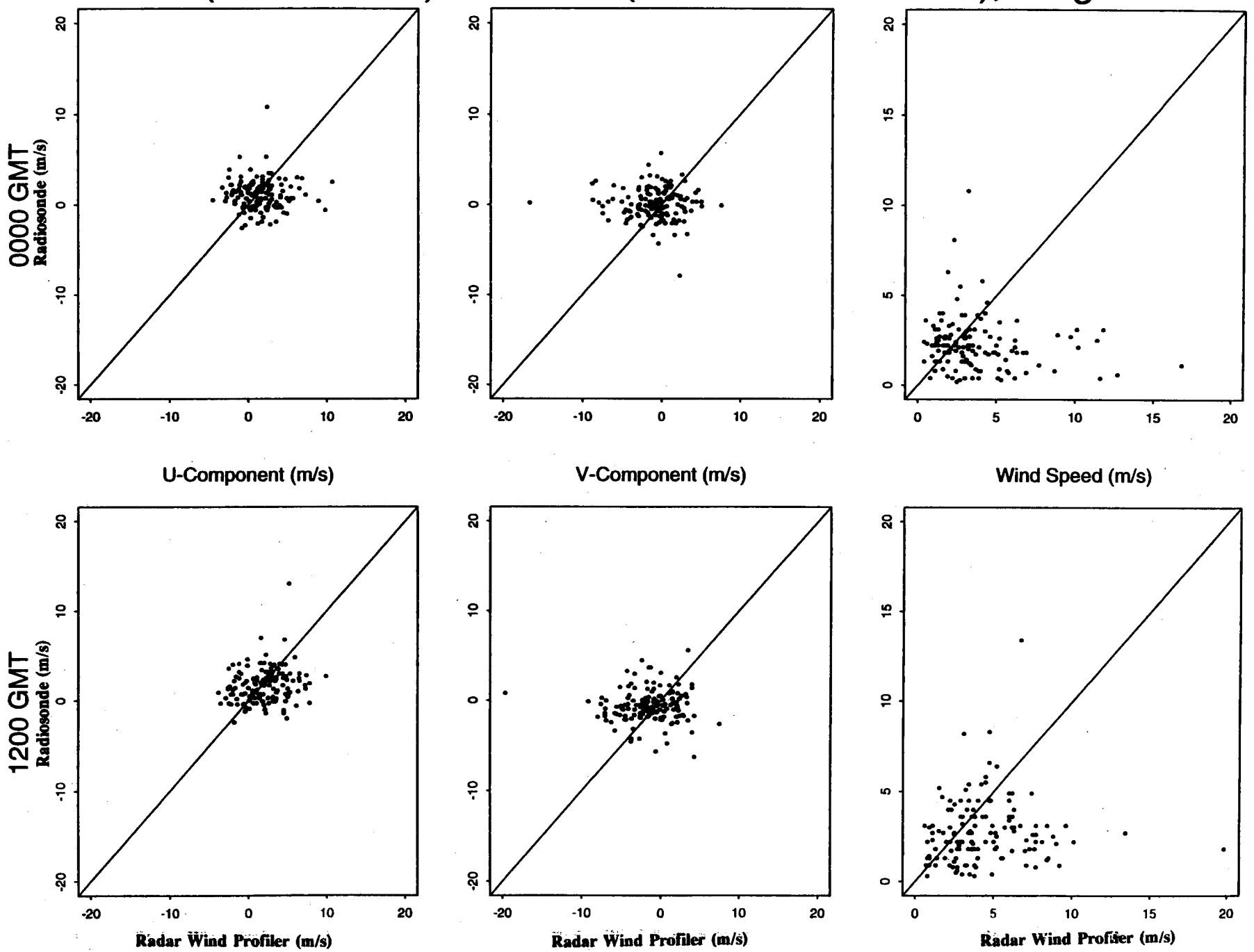
MYFR (Radiosonde) vs SDOR (Radar Wind Profiler), Height=100M



MYFR (Radiosonde) vs SDOR (Radar Wind Profiler), Height=2000M

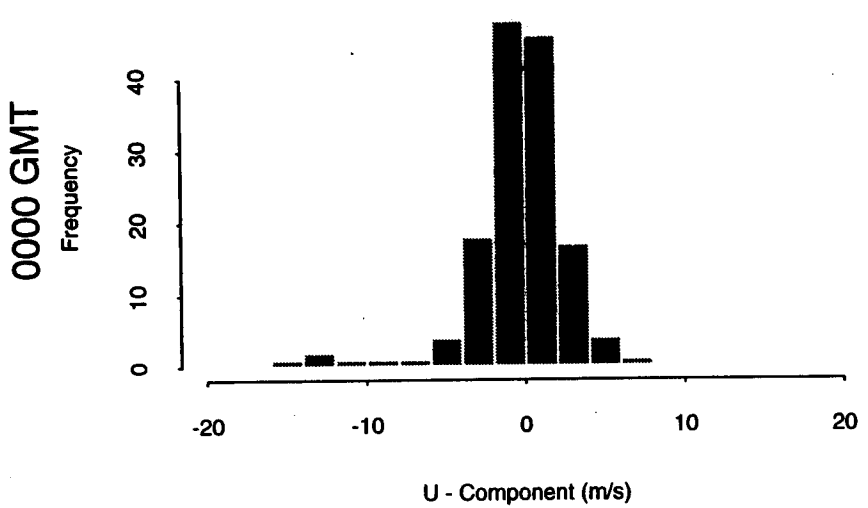


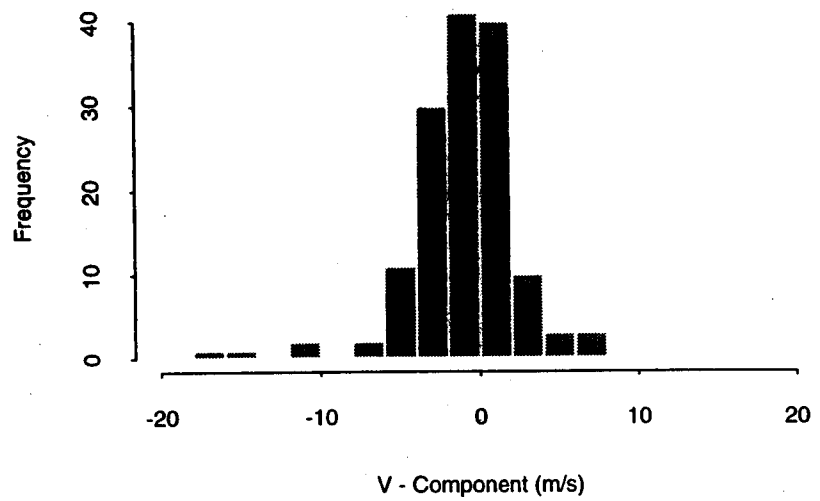
MYFR (Radiosonde) vs SDOR (Radar Wind Profiler), Height=1000M

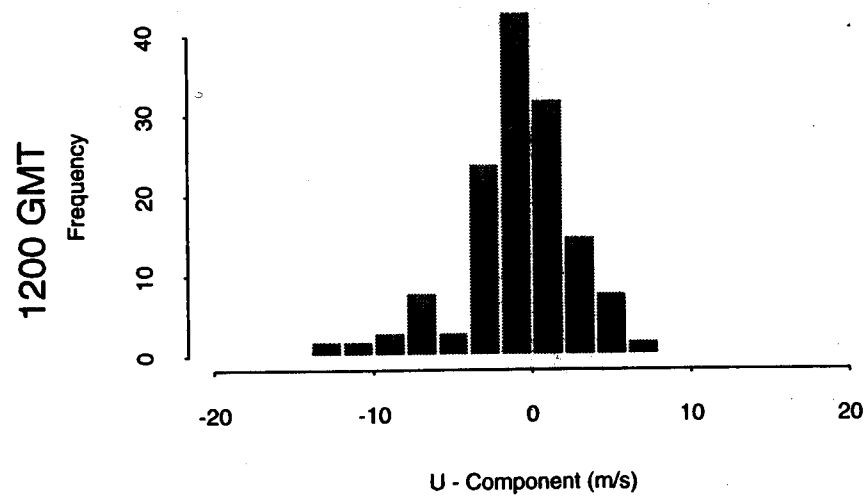


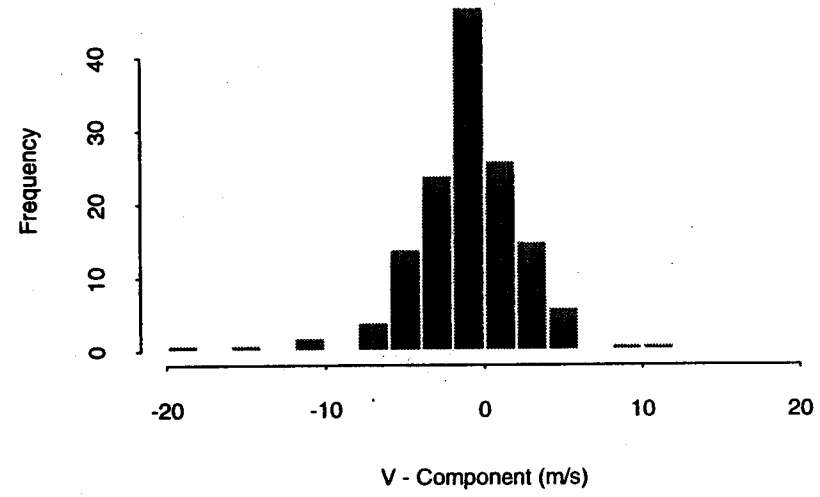
Frequency Distribution of Differences

SDOR (Radar Wind Profiler) - MYFR (Radiosonde), 300M



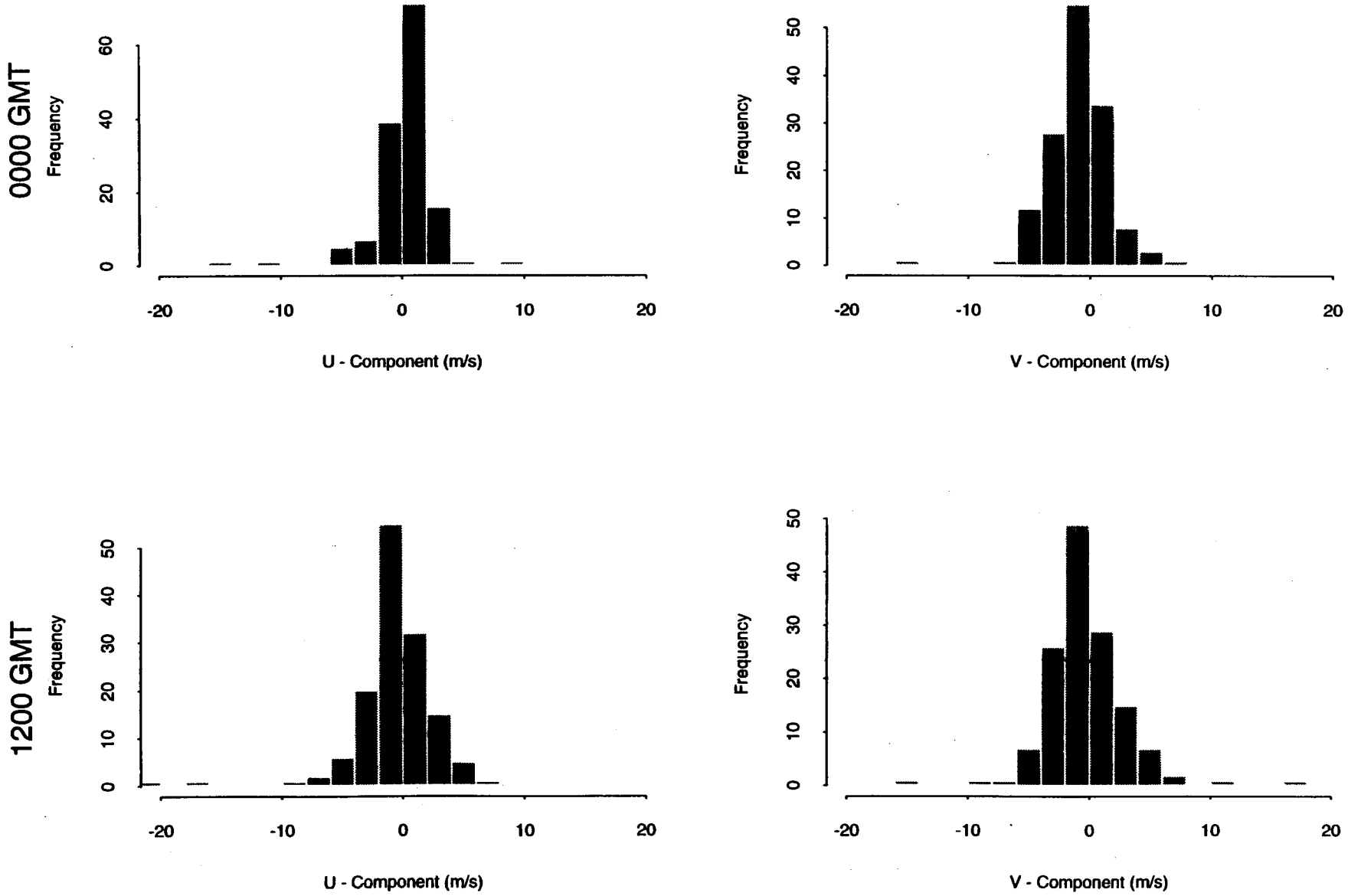






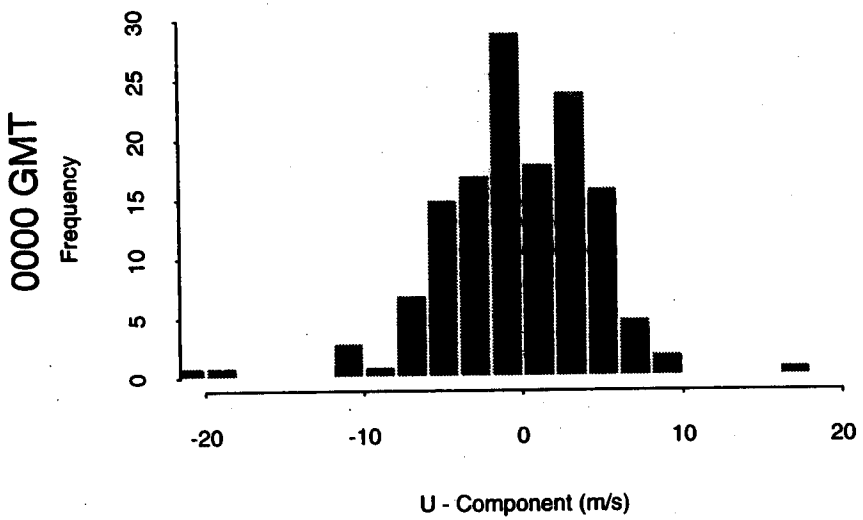
Frequency Distribution of Differences

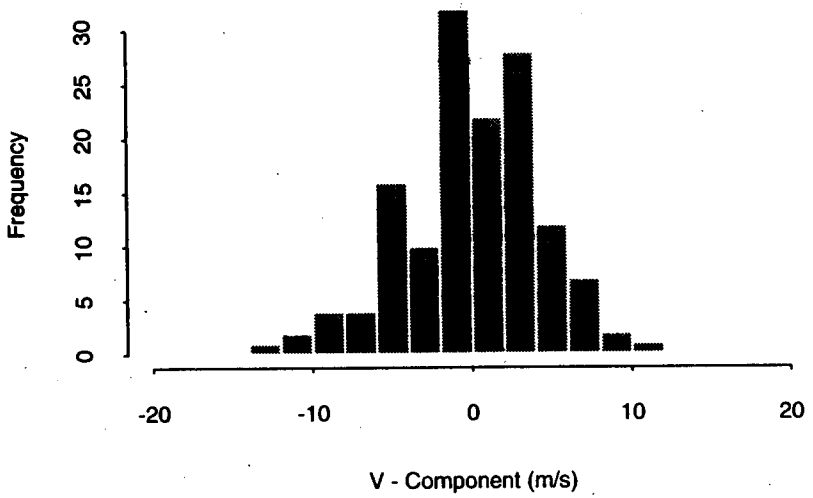
SDOR (Radar Wind Profiler) - MYFR (Radiosonde), 100M

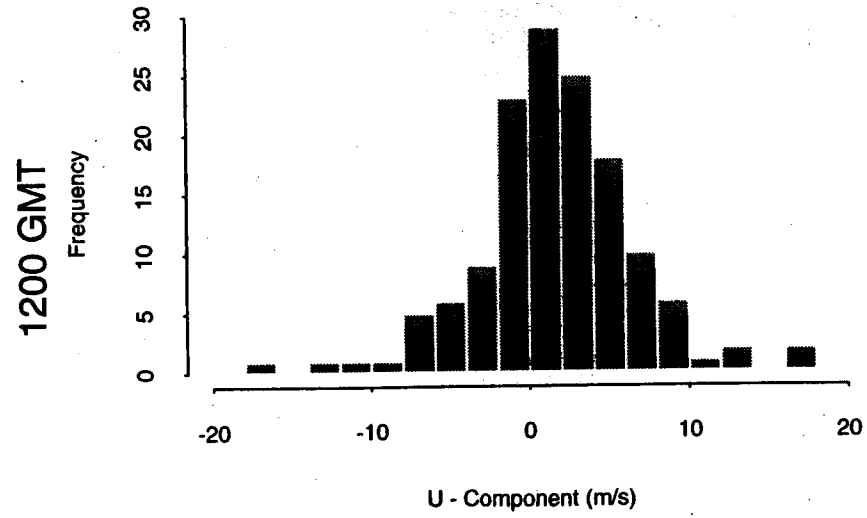


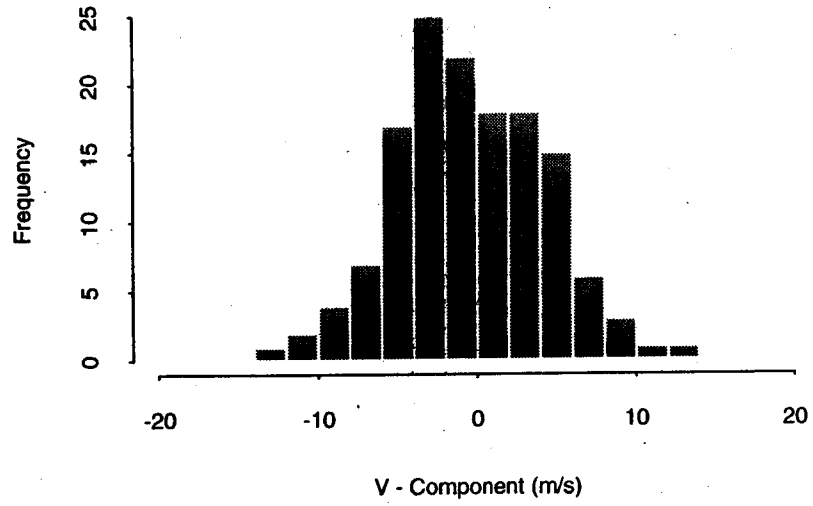
Frequency Distribution of Differences

SDOR (Radar Wind Profiler) - MYFR (Radiosonde), 2000M



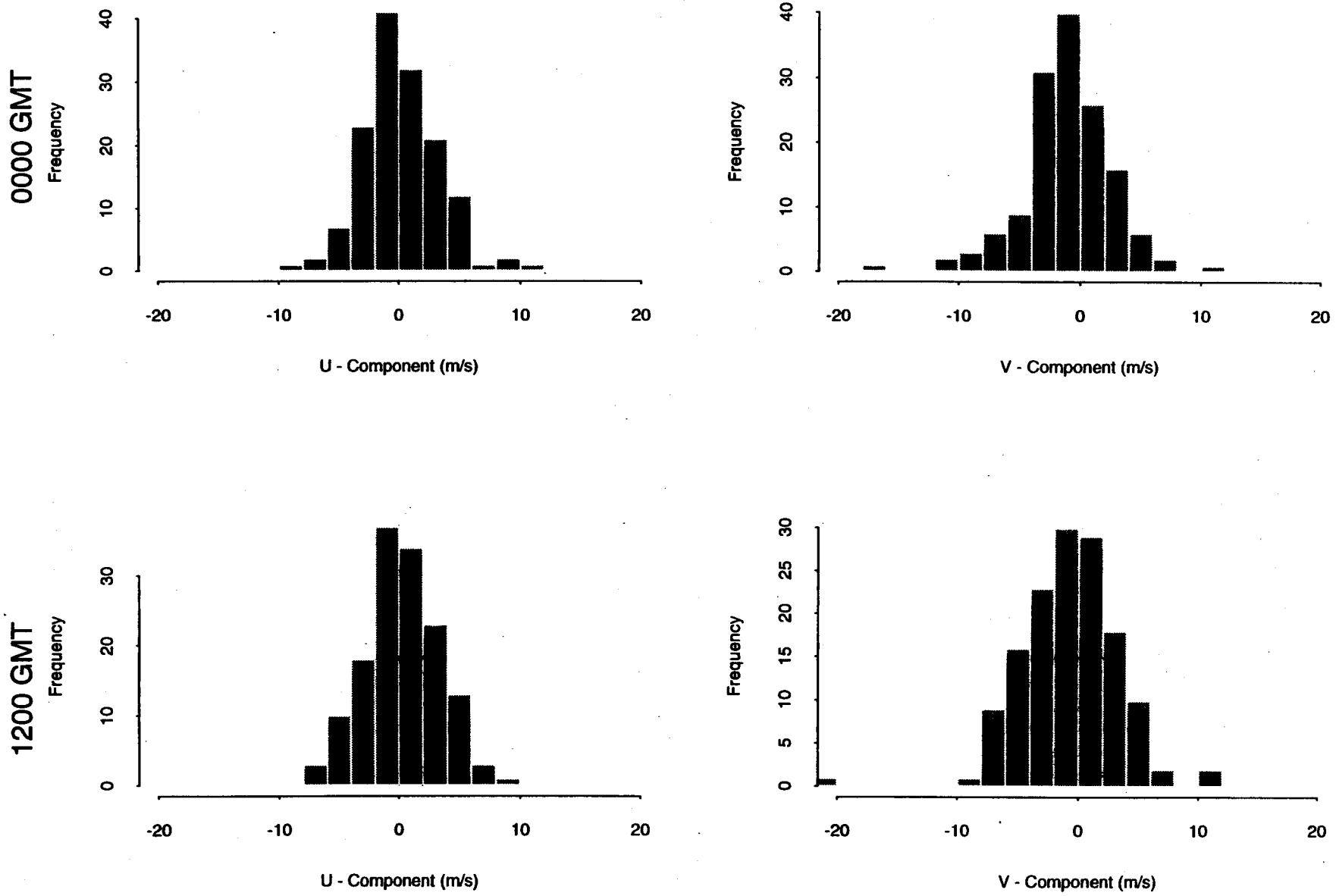






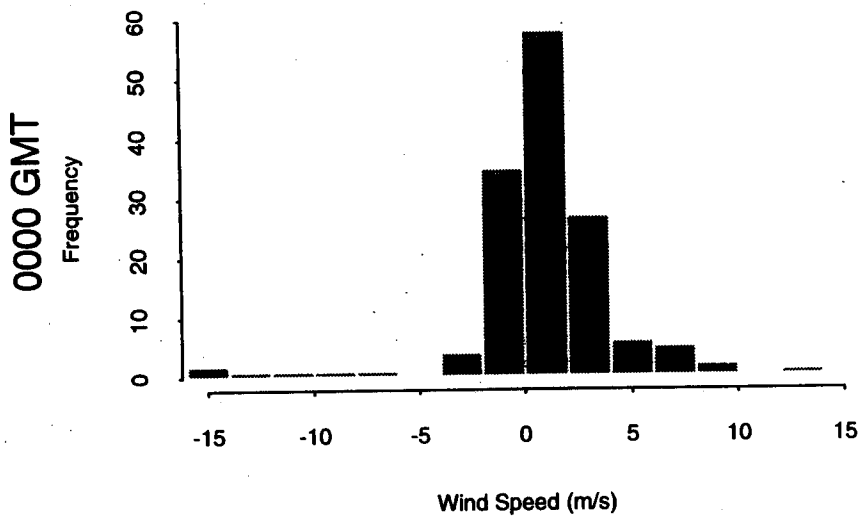
Frequency Distribution of Differences

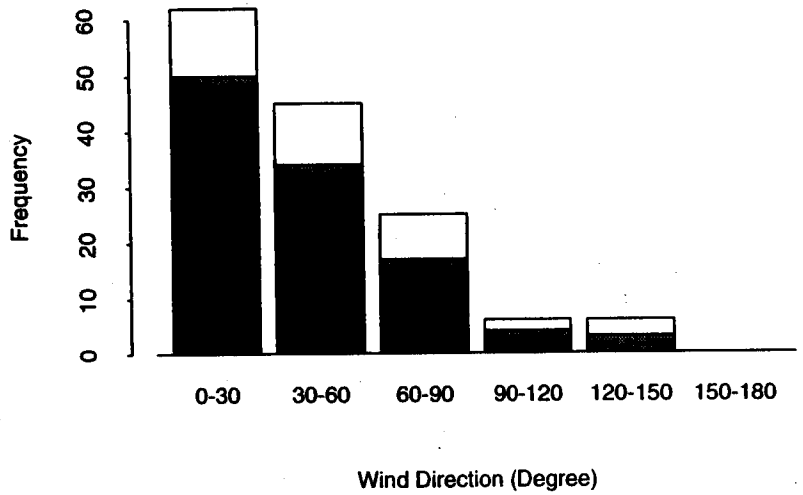
SDOR (Radar Wind Profiler) - MYFR (Radiosonde), 1000M

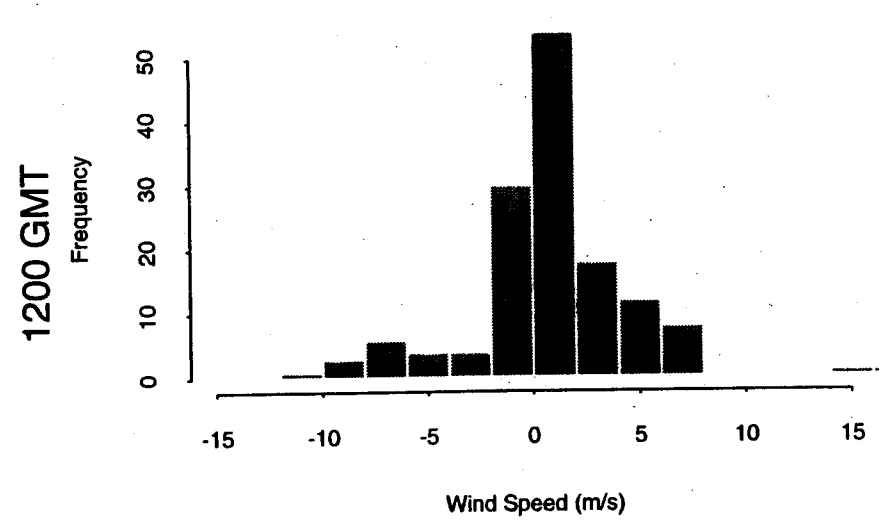


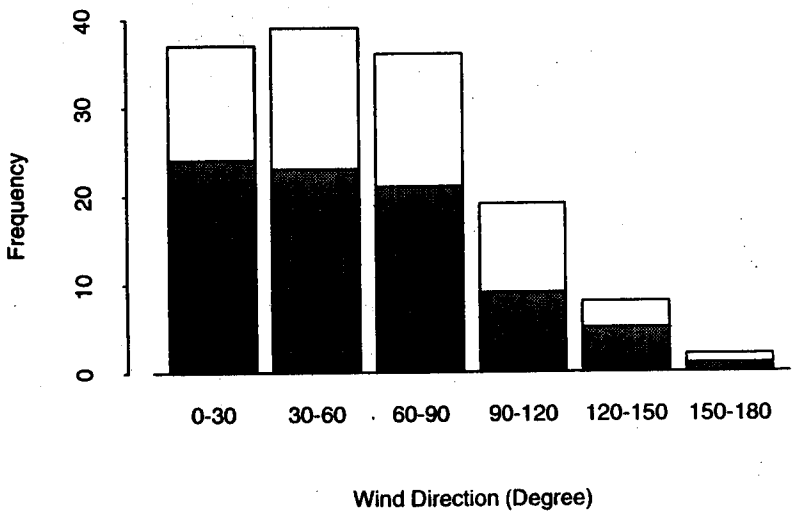
Frequency Distribution of Differences

SDOR (Radar Wind Profiler) - MYFR (Radiosonde), 300M



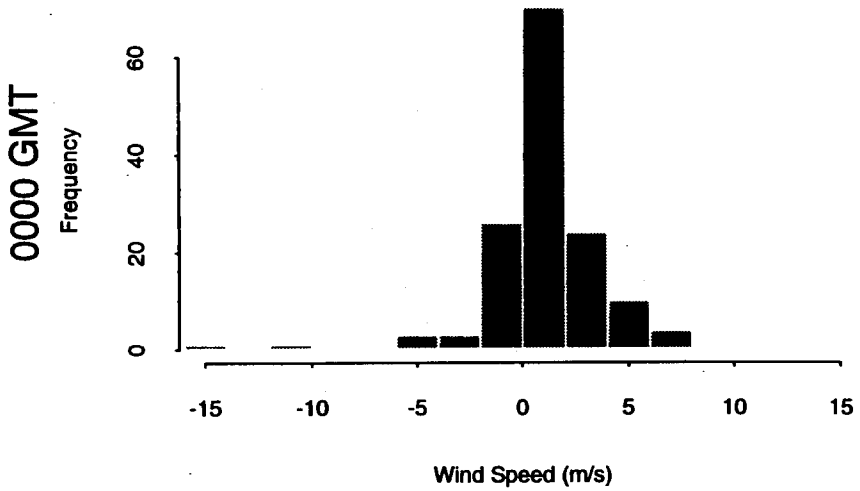


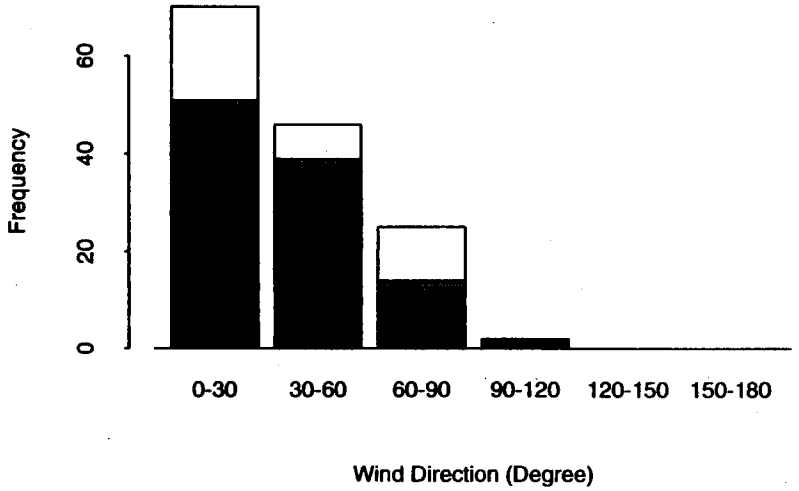


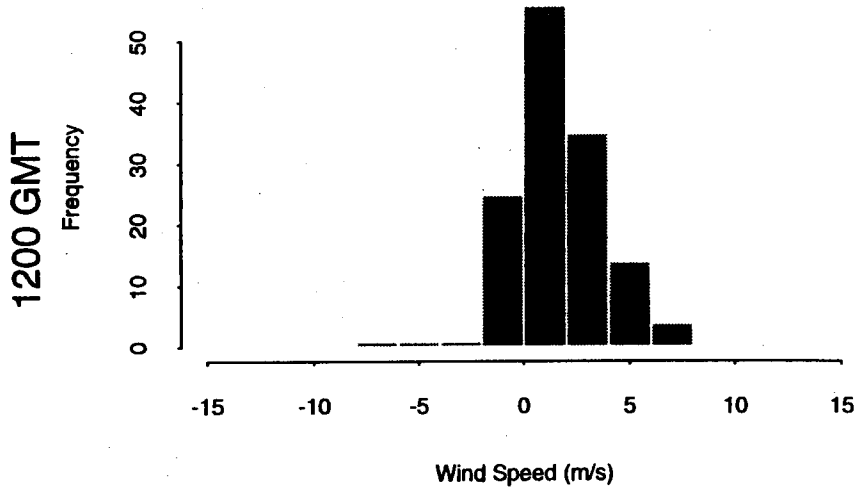


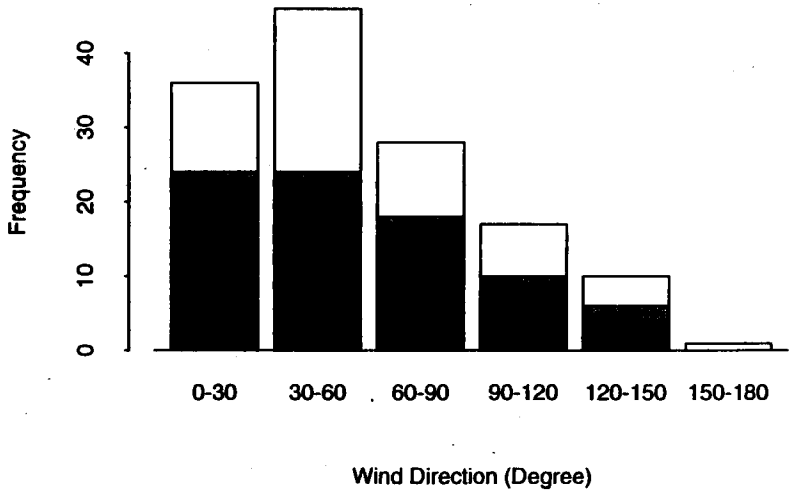
Frequency Distribution of Differences

SDOR (Radar Wind Profiler) - MYFR (Radiosonde), 100M



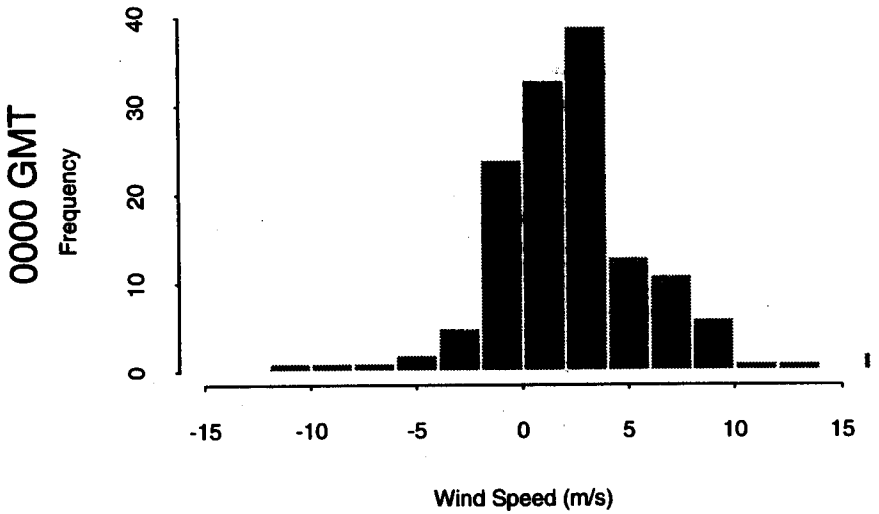


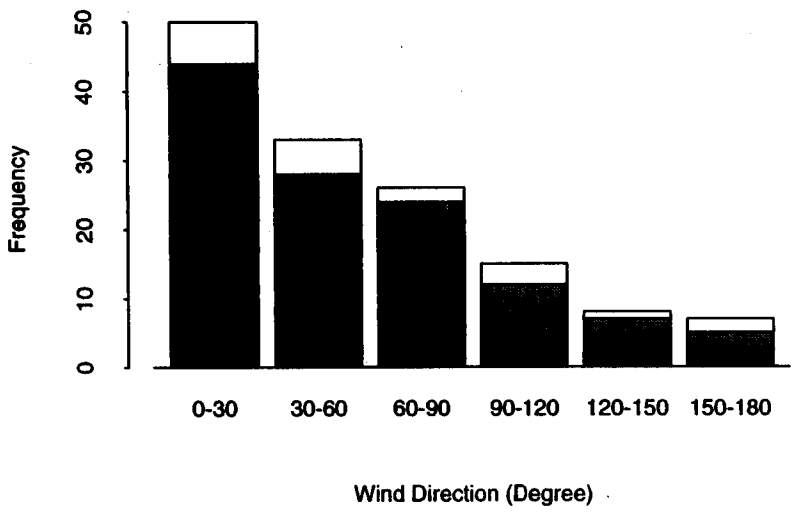


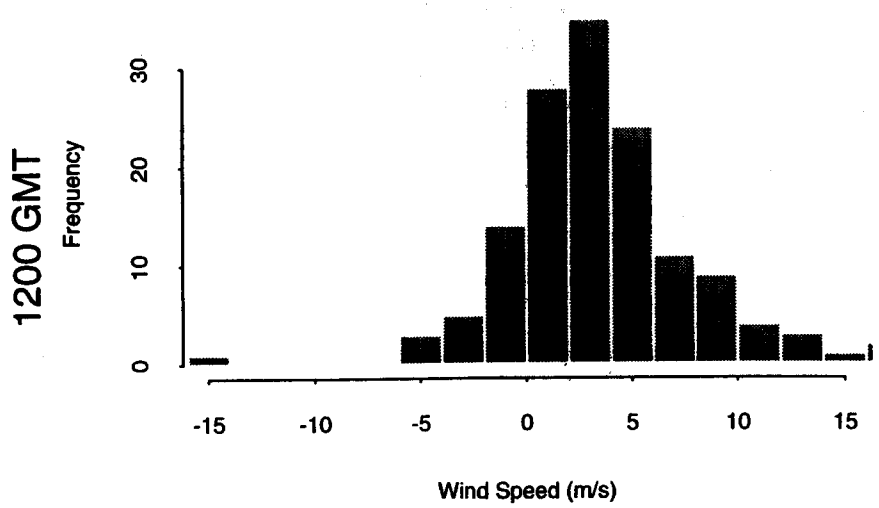


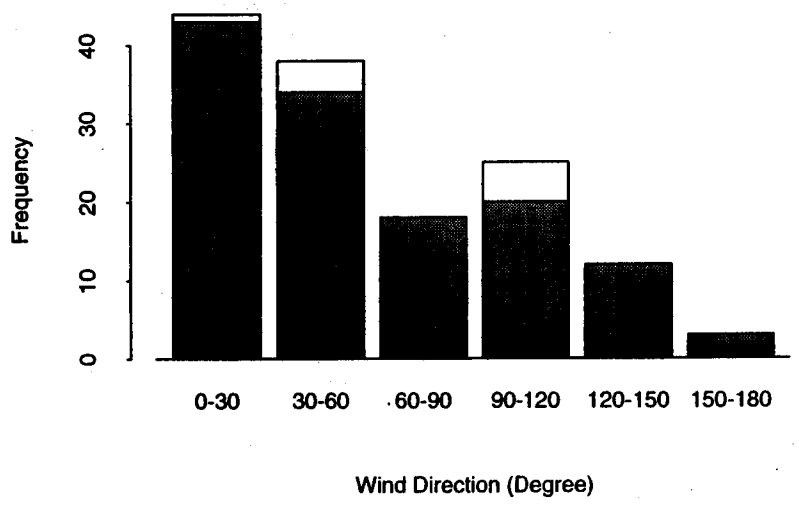
Frequency Distribution of Differences

SDOR (Radar Wind Profiler) - MYFR (Radiosonde), 2000M



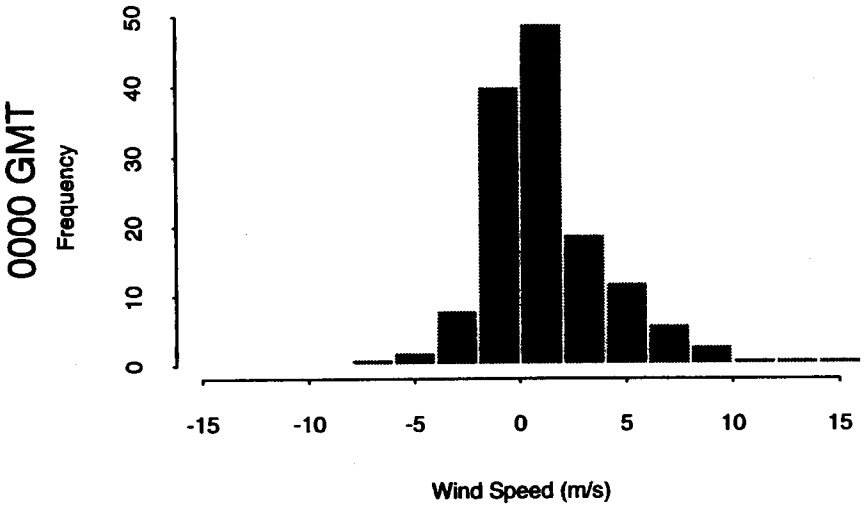


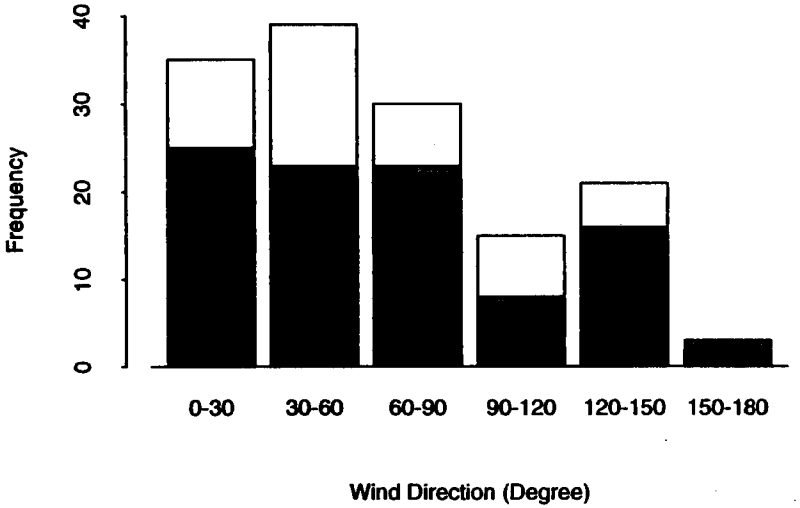


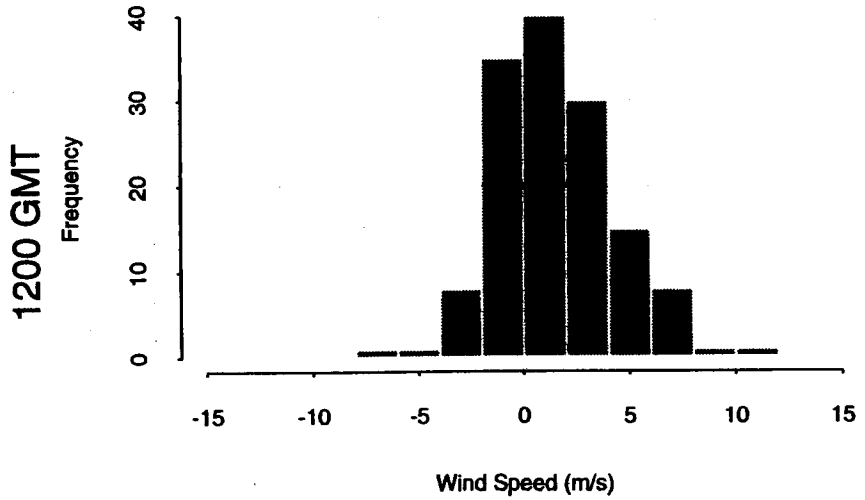


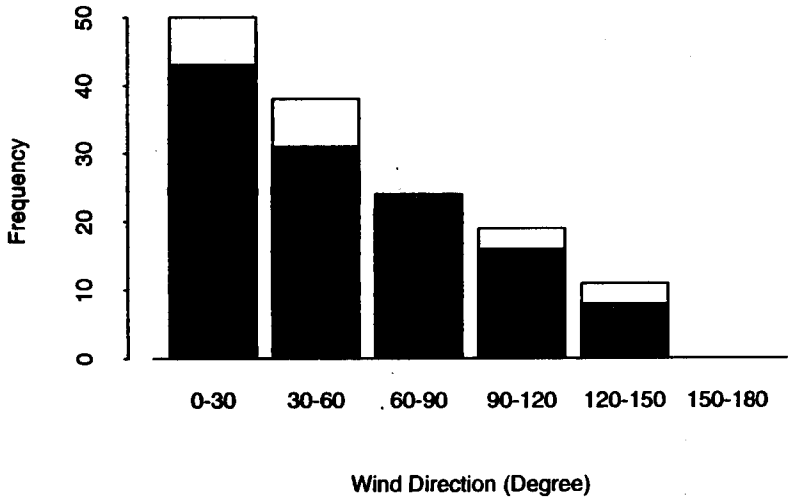
Frequency Distribution of Differences

SDOR (Radar Wind Profiler) - MYFR (Radiosonde), 1000M





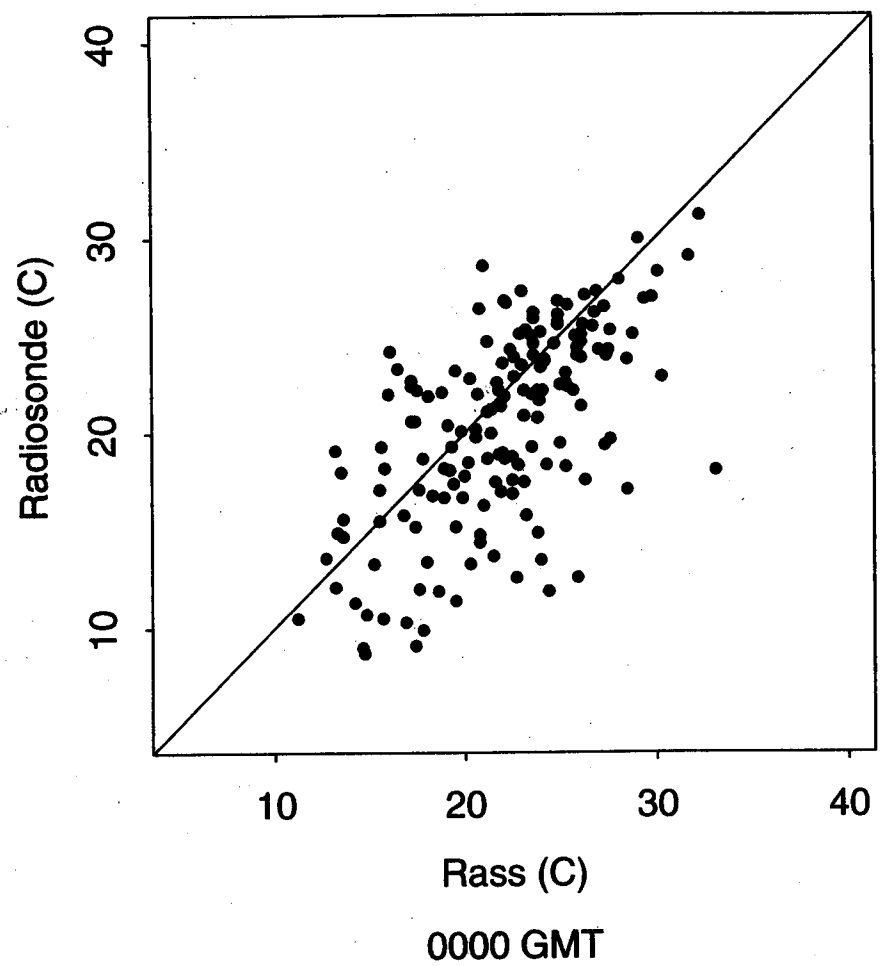


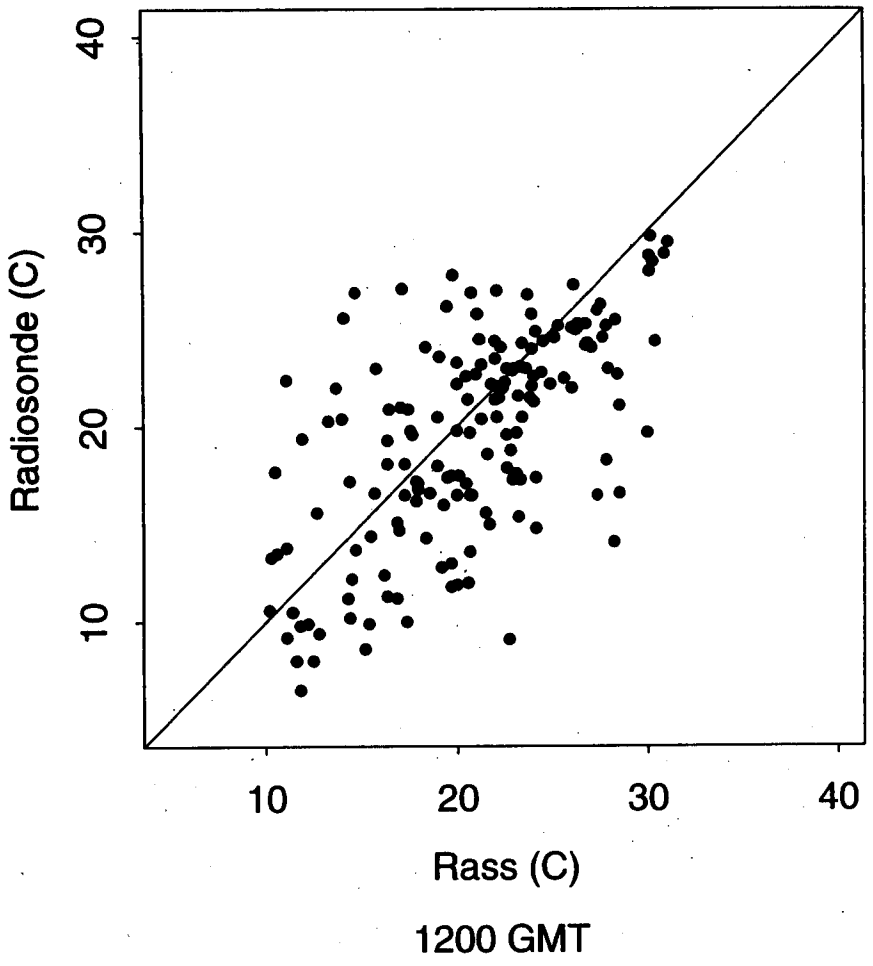


Appendix B4

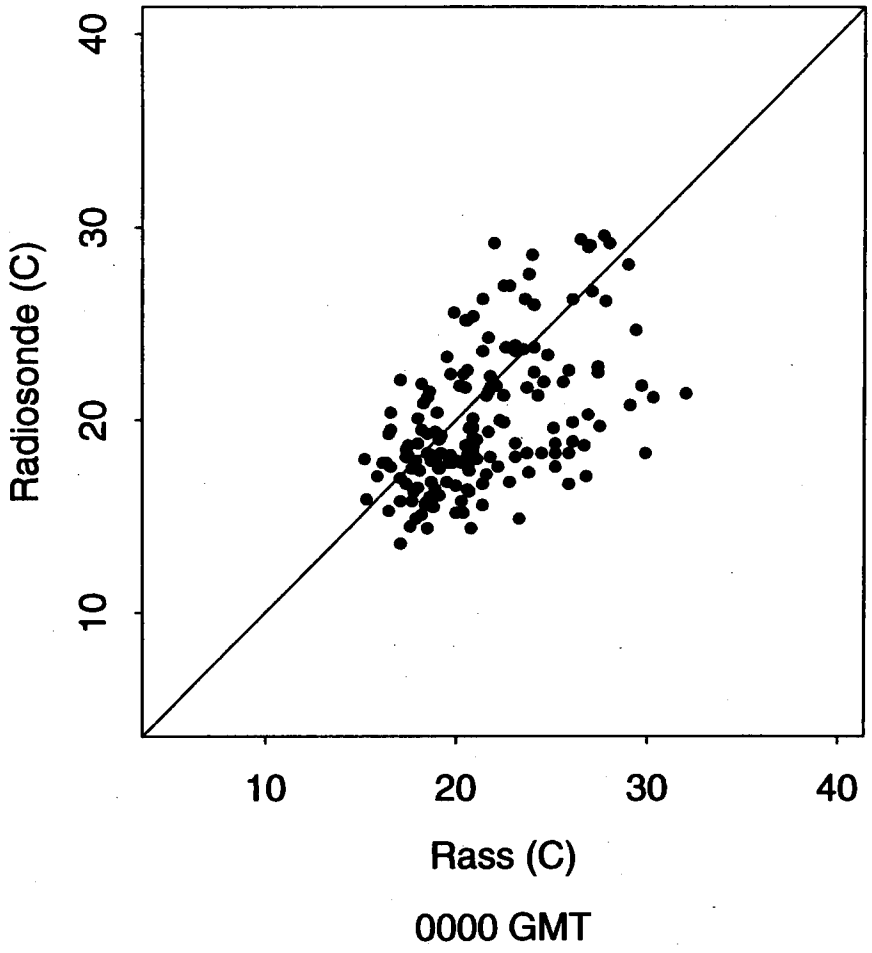
SCATTER PLOTS OF VIRTUAL TEMPERATURE FOR RASS AND RADIOSONDE SITE PAIRS AND HISTOGRAMS OF THE DIFFERENCES FOR MONITORING SITES LOCATED IN THE SAN DIEGO AIR BASIN (SDAB)

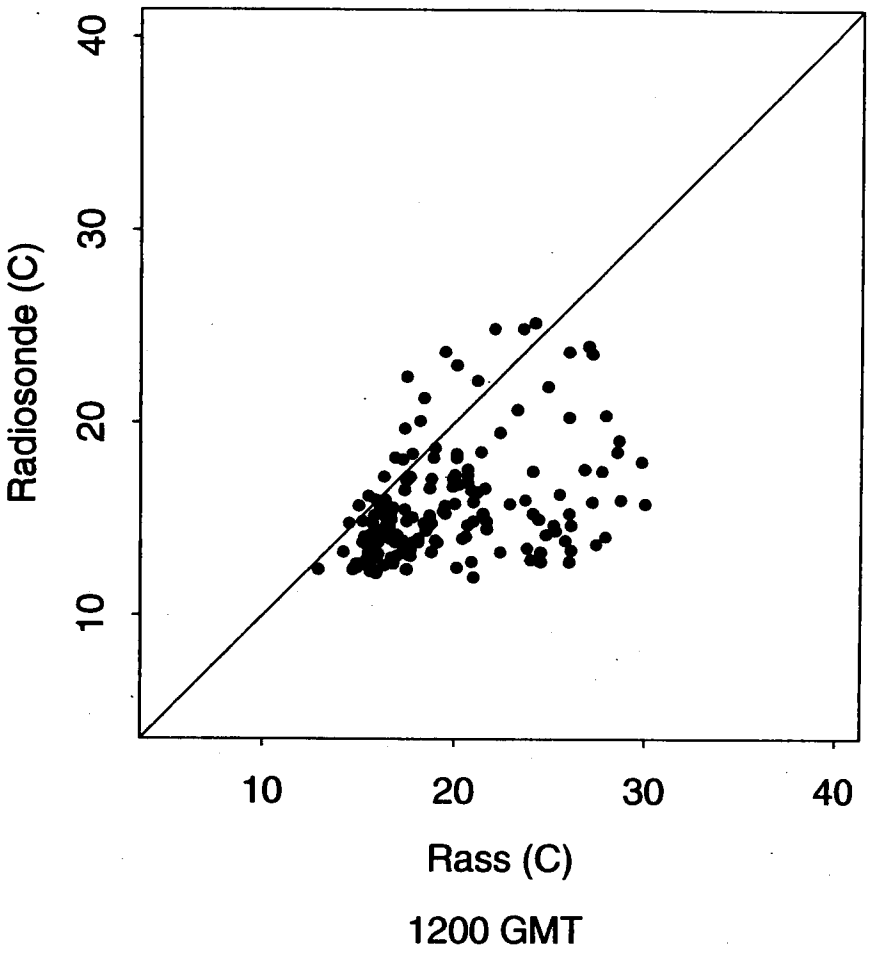
MYFR (Radiosonde) vs SDO (RASS), Height=1000M





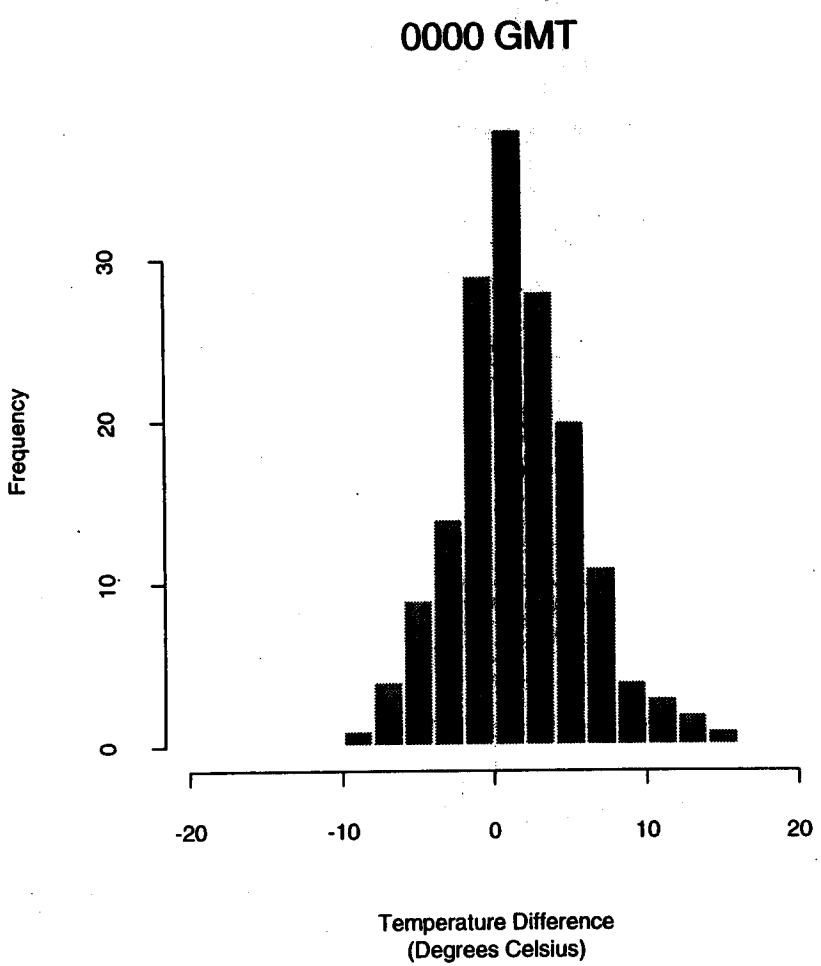
MYFR (Radiosonde) vs SDO (RASS), Height=300 M

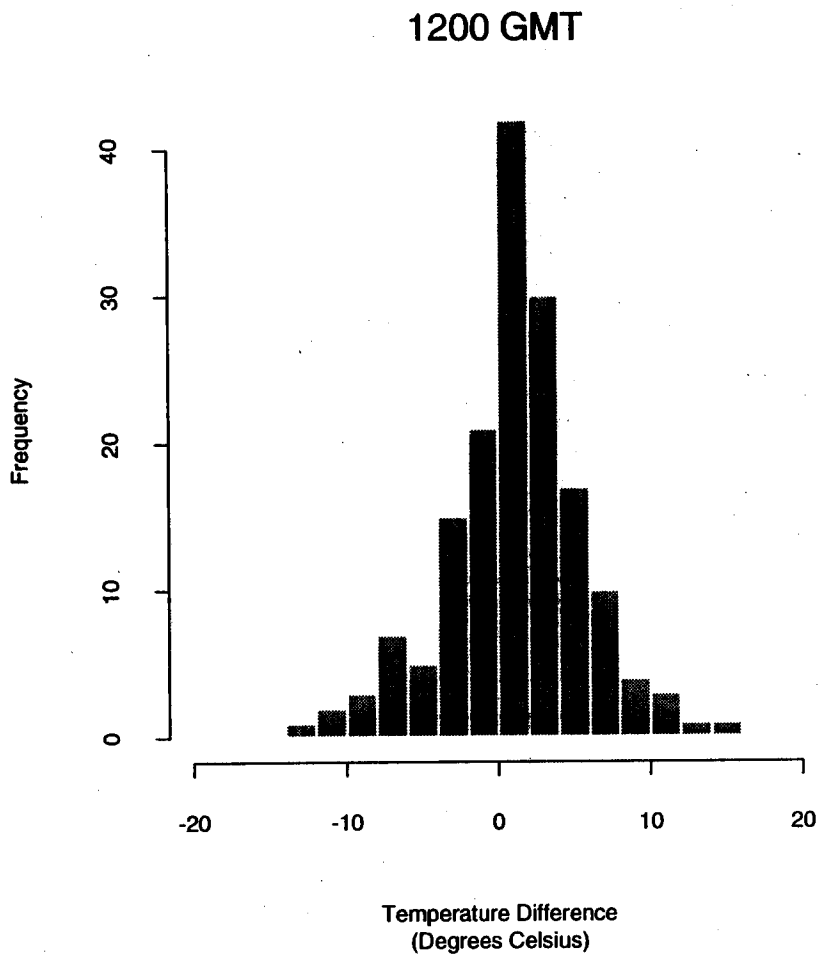




Frequency Distribution of Differences

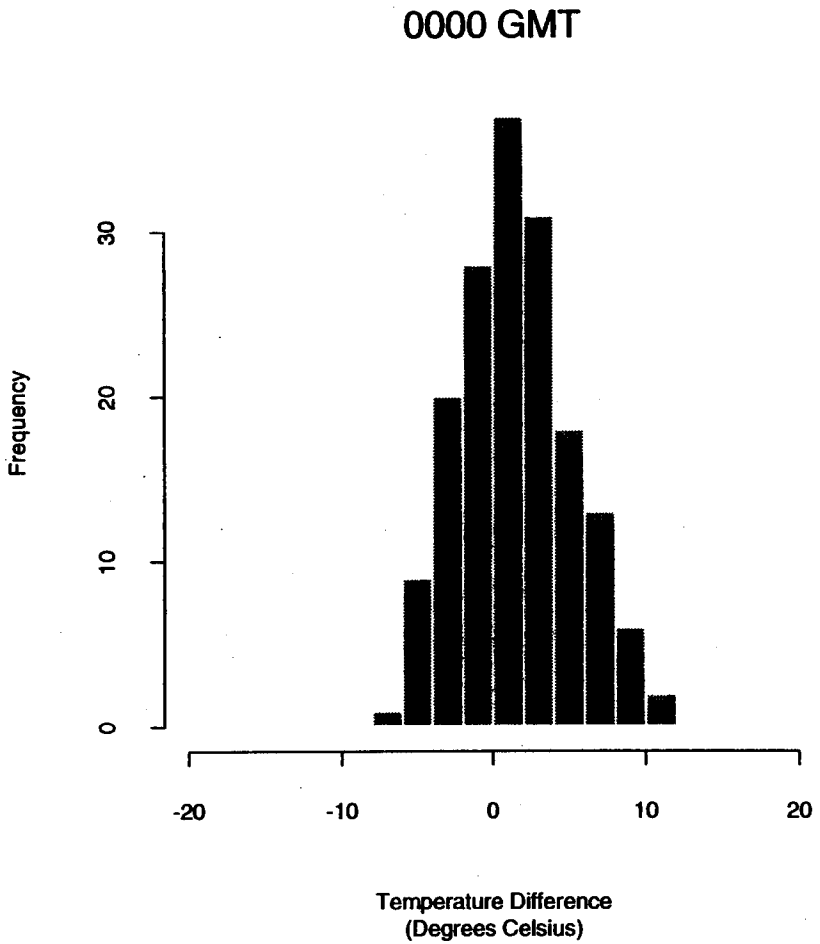
SDO(Radar Wind Profiler) - MFYR(Radiosonde), 1000M

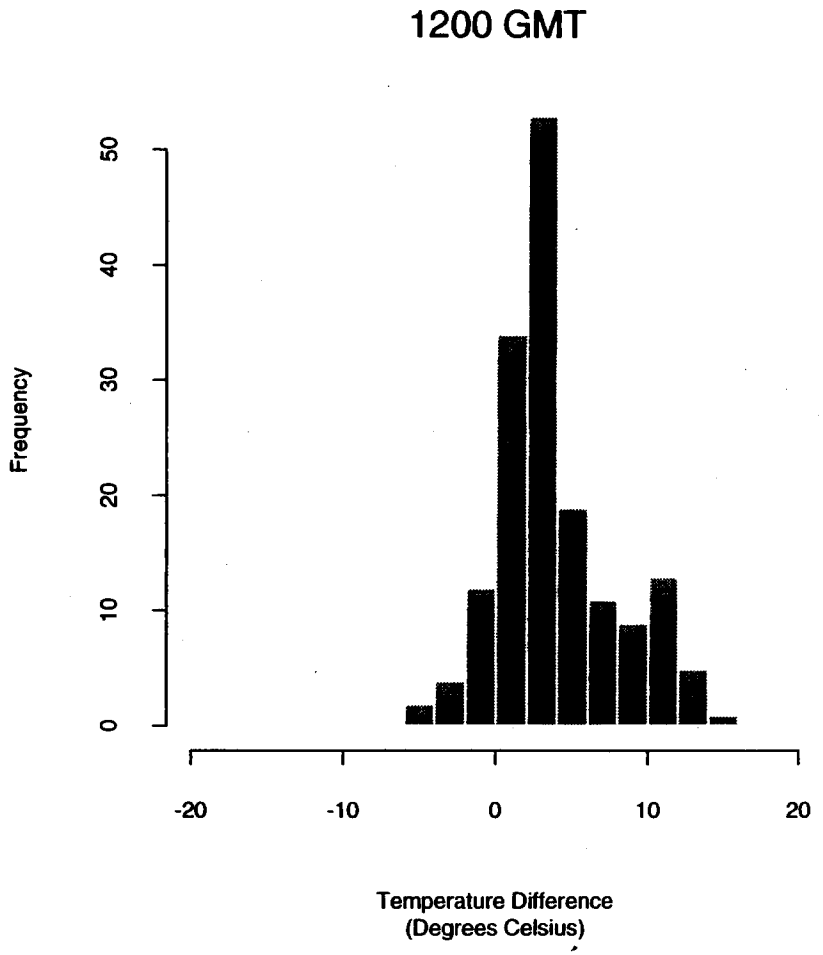




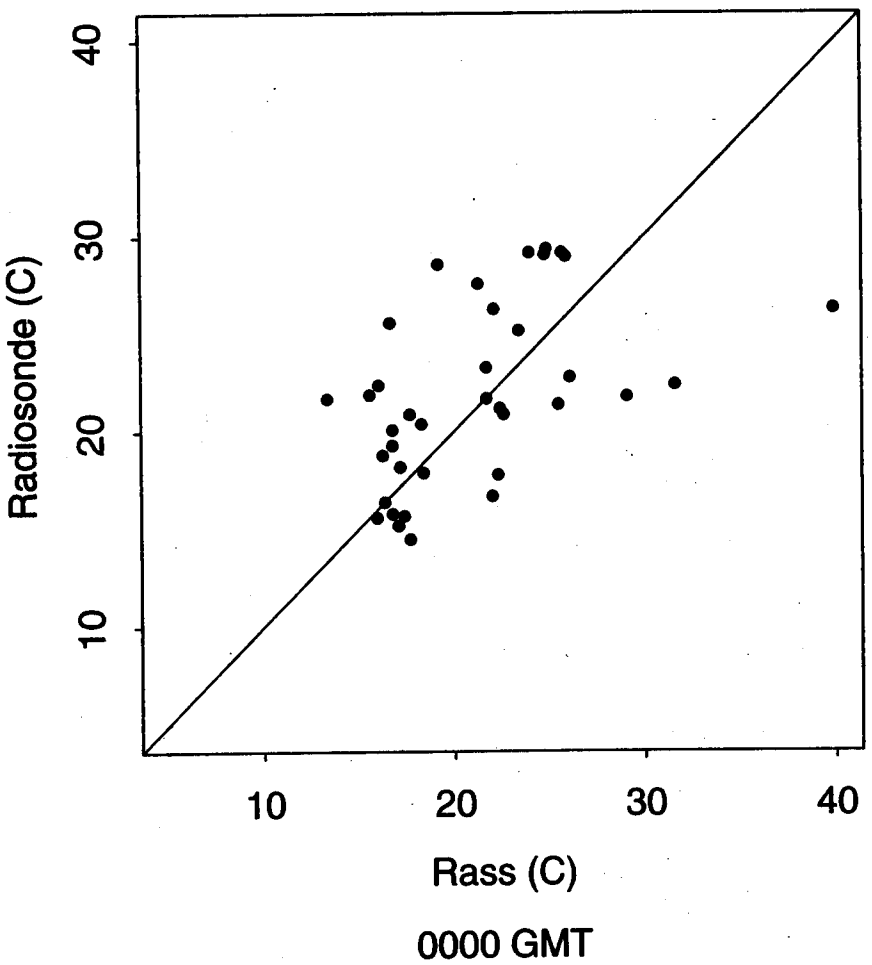
Frequency Distribution of Differences

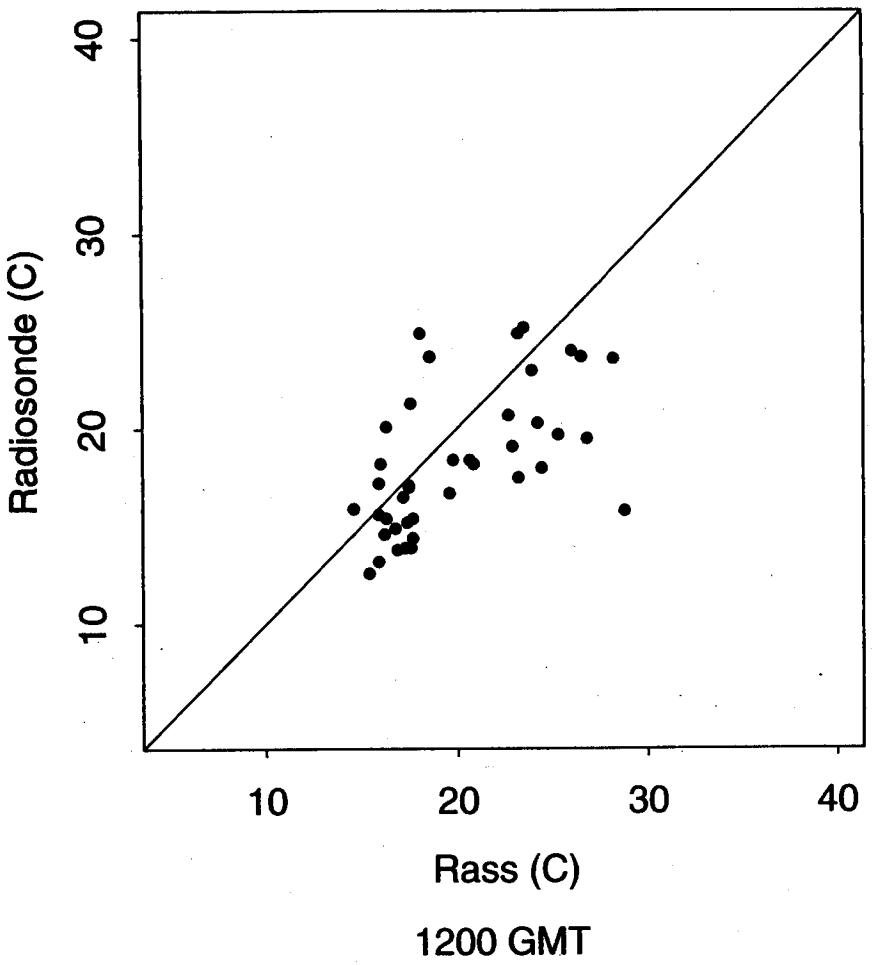
SDO(Radar Wind Profiler) - MFYR(Radiosonde), 300M



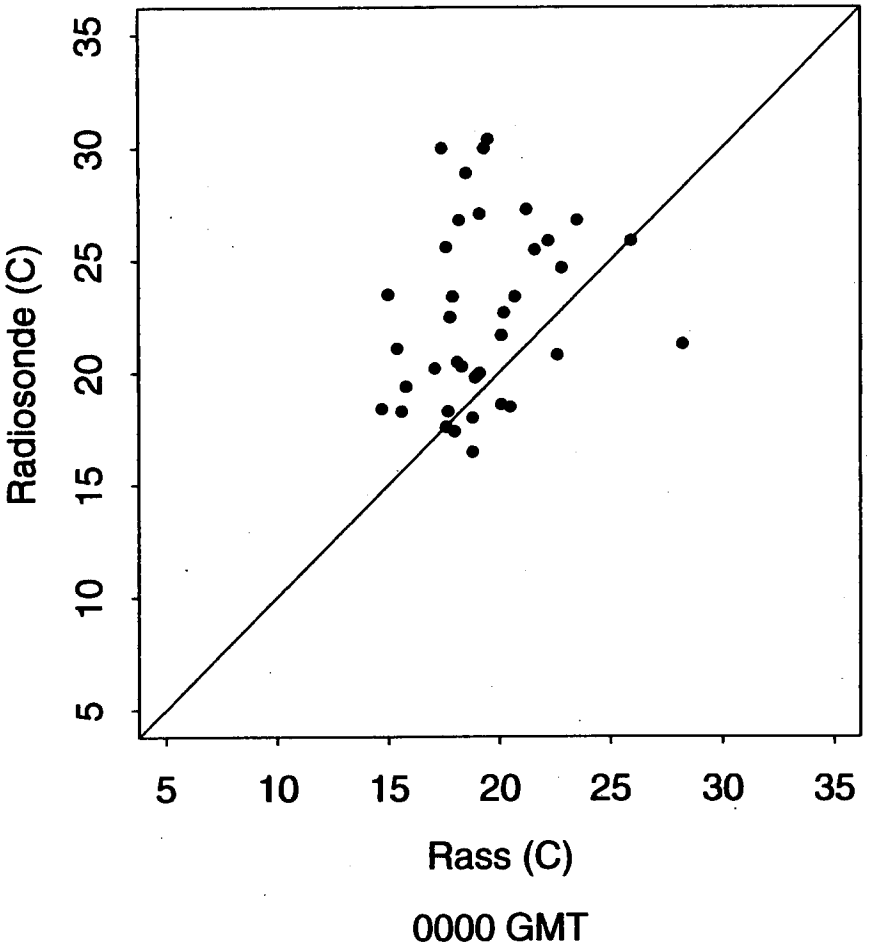


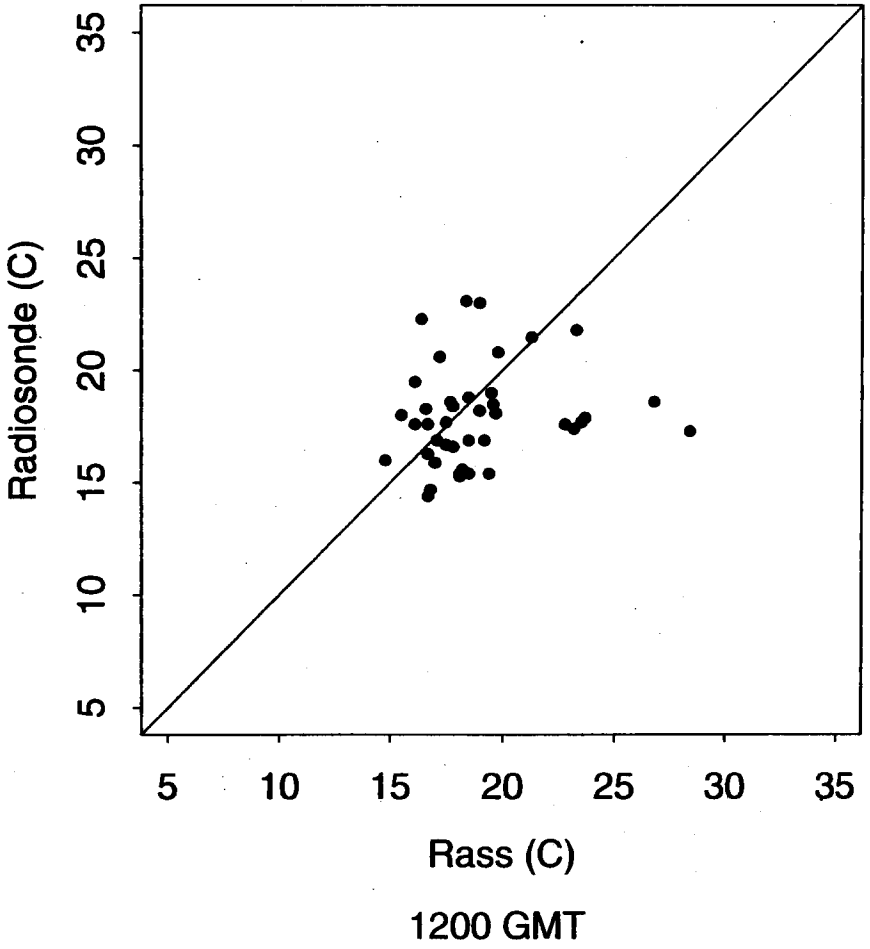
MYFR (Radiosonde) vs SCI (RASS), Height=300 M





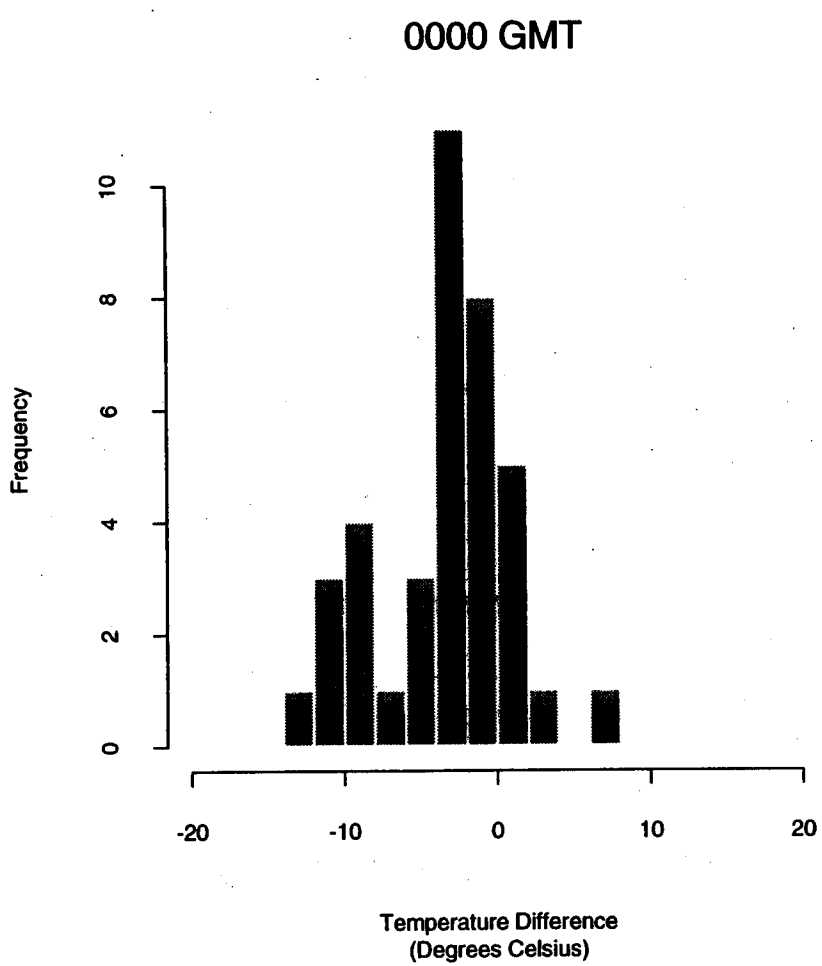
MYFR (Radiosonde) vs SCI (RASS), Height=100M

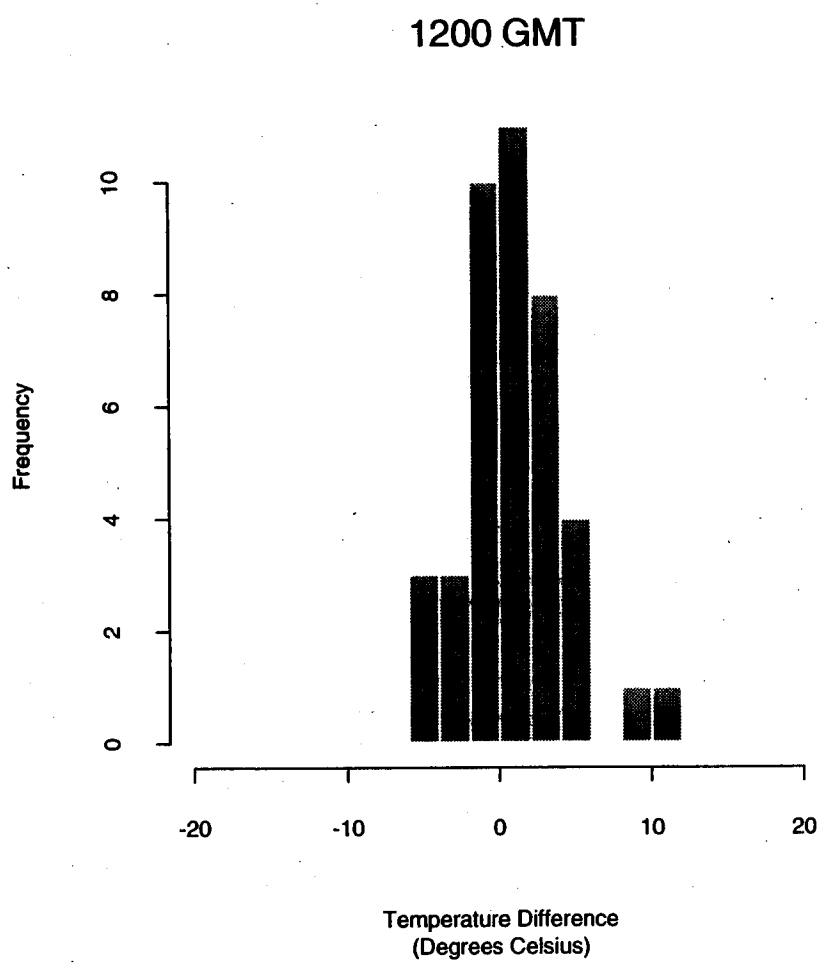




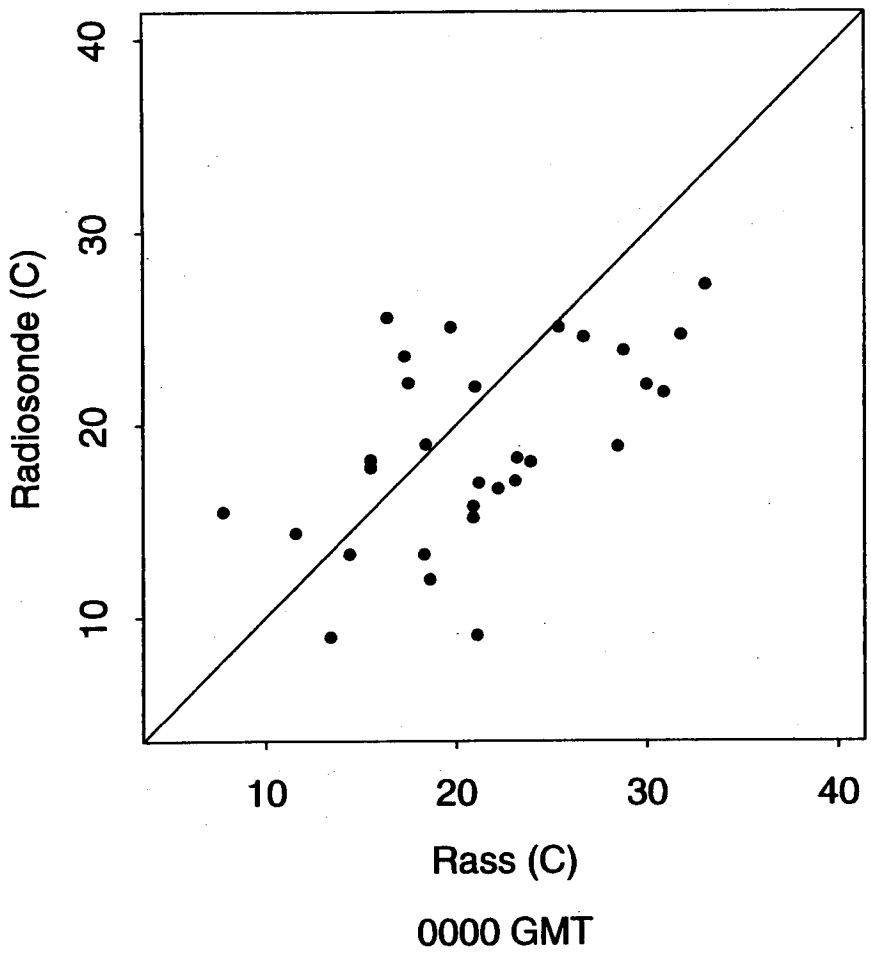
Frequency Distribution of Differences

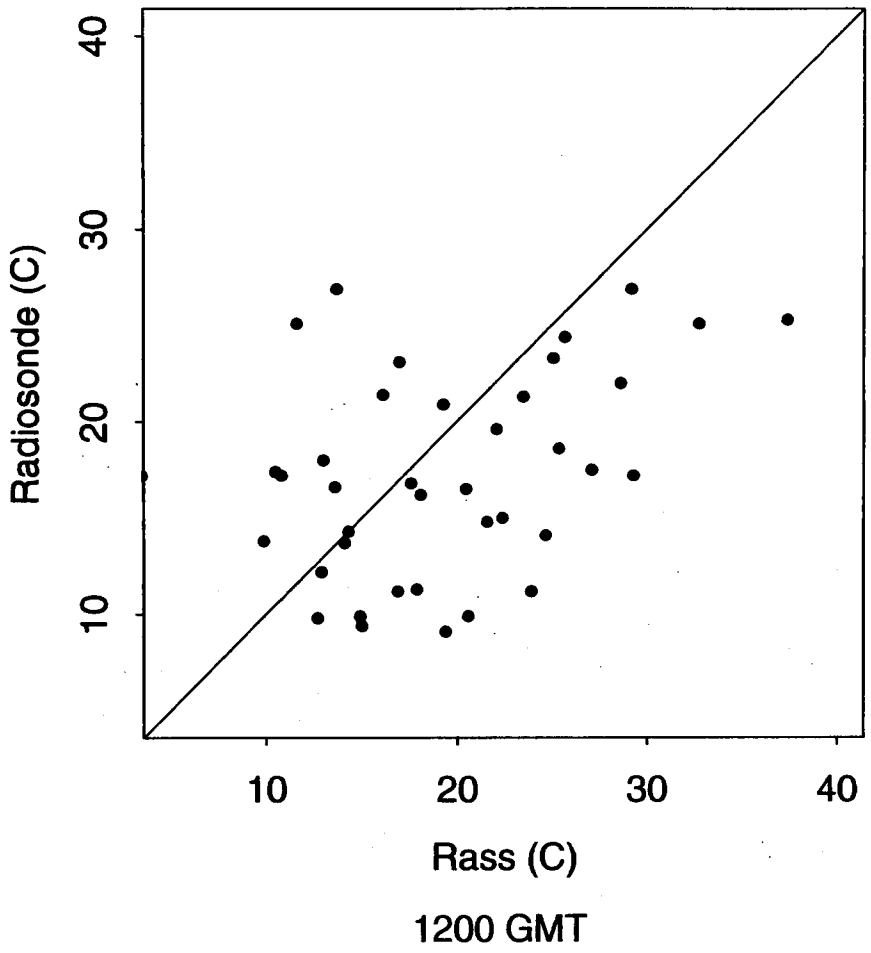
SCI(Radar Wind Profiler) - MFYR(Radiosonde), 100M





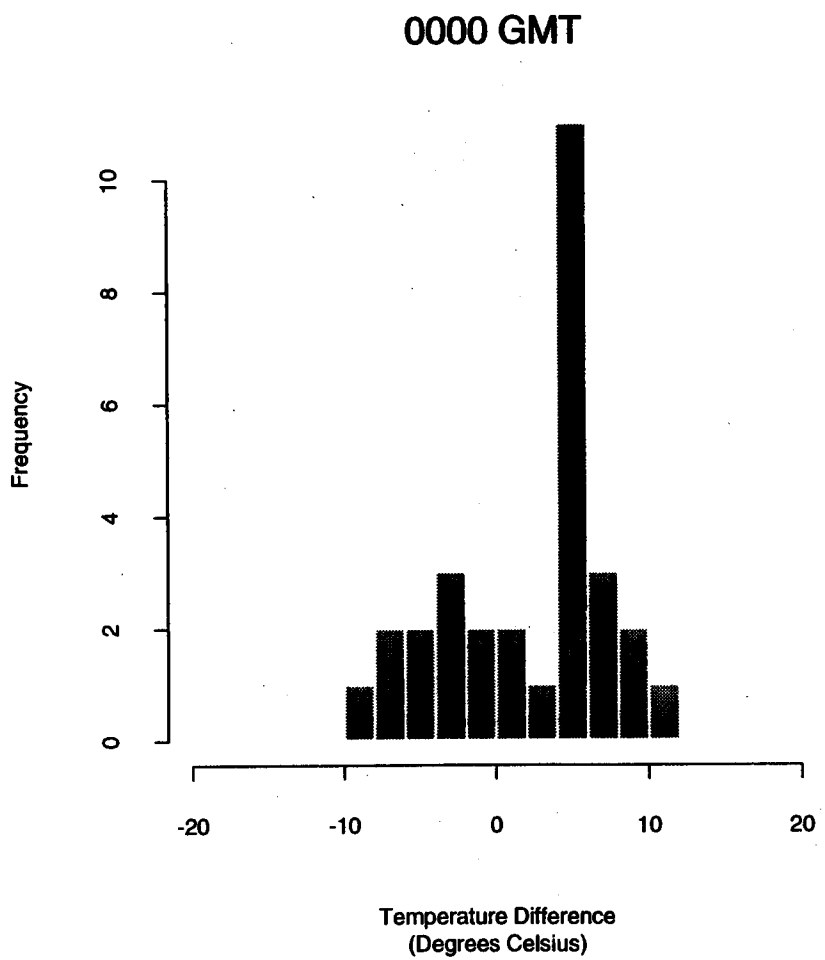
MYFR (Radiosonde) vs SCI (RASS), Height=1000M

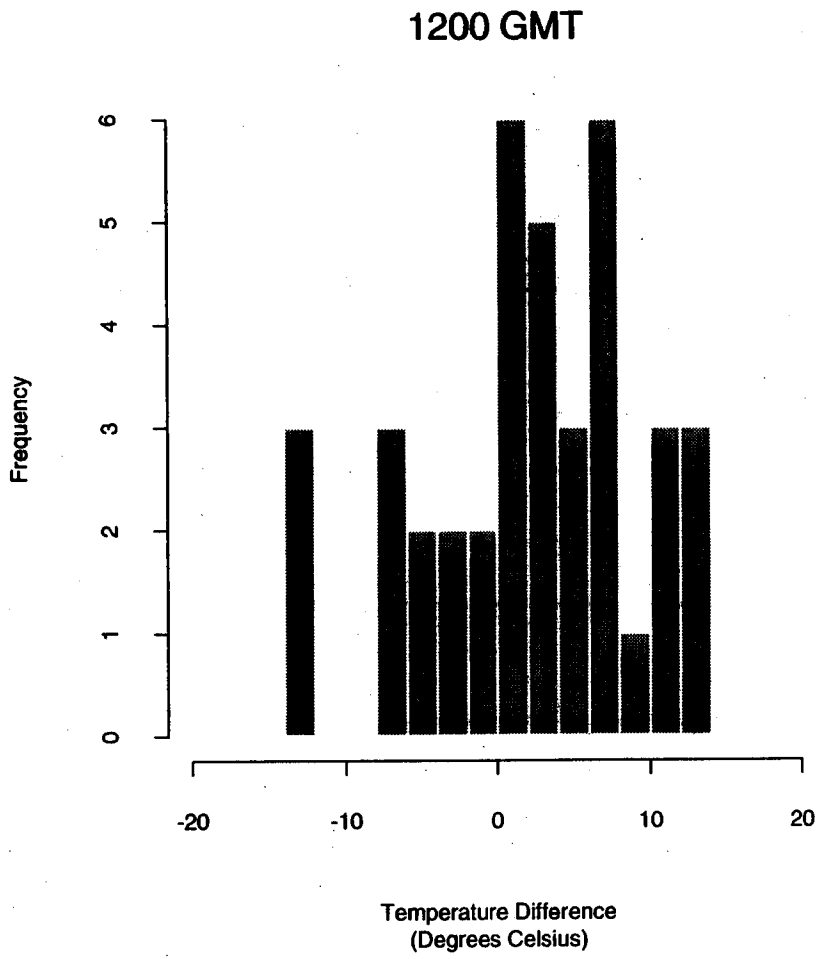




Frequency Distribution of Differences

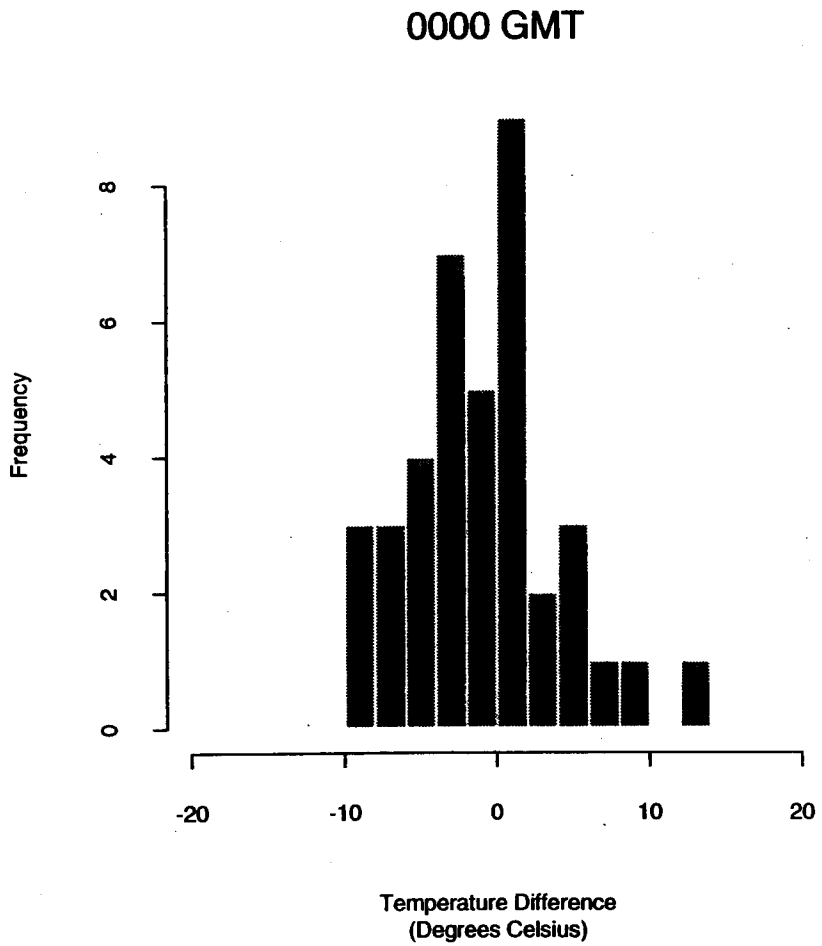
SCI(Radar Wind Profiler) - MFYR(Radiosonde), 1000M

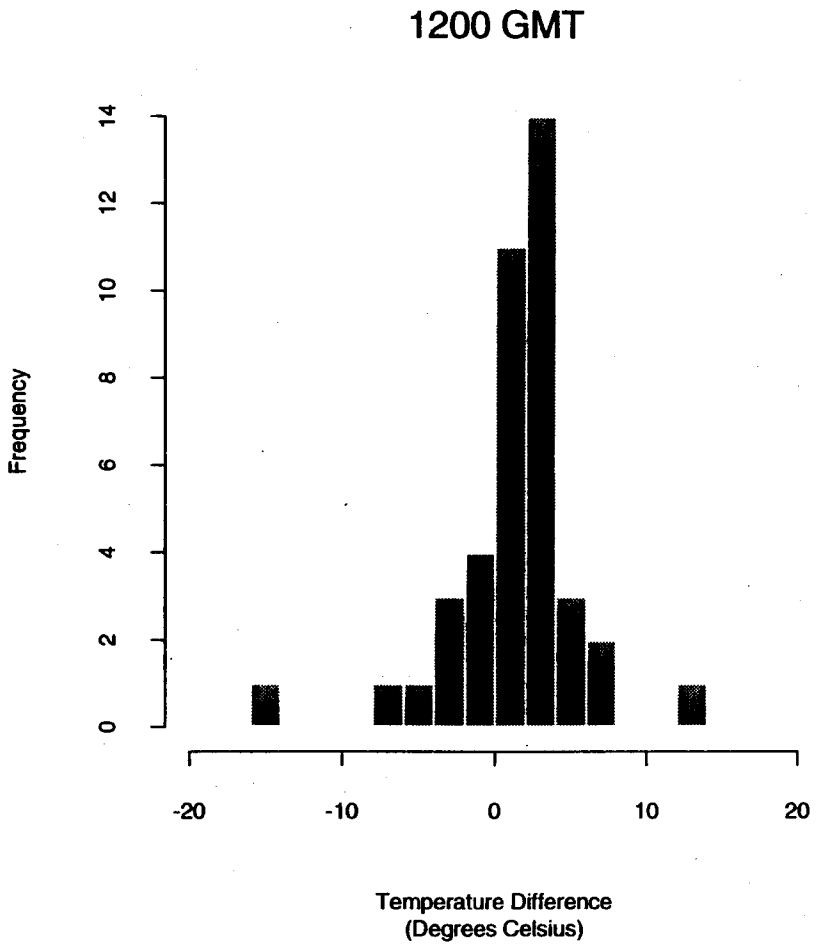




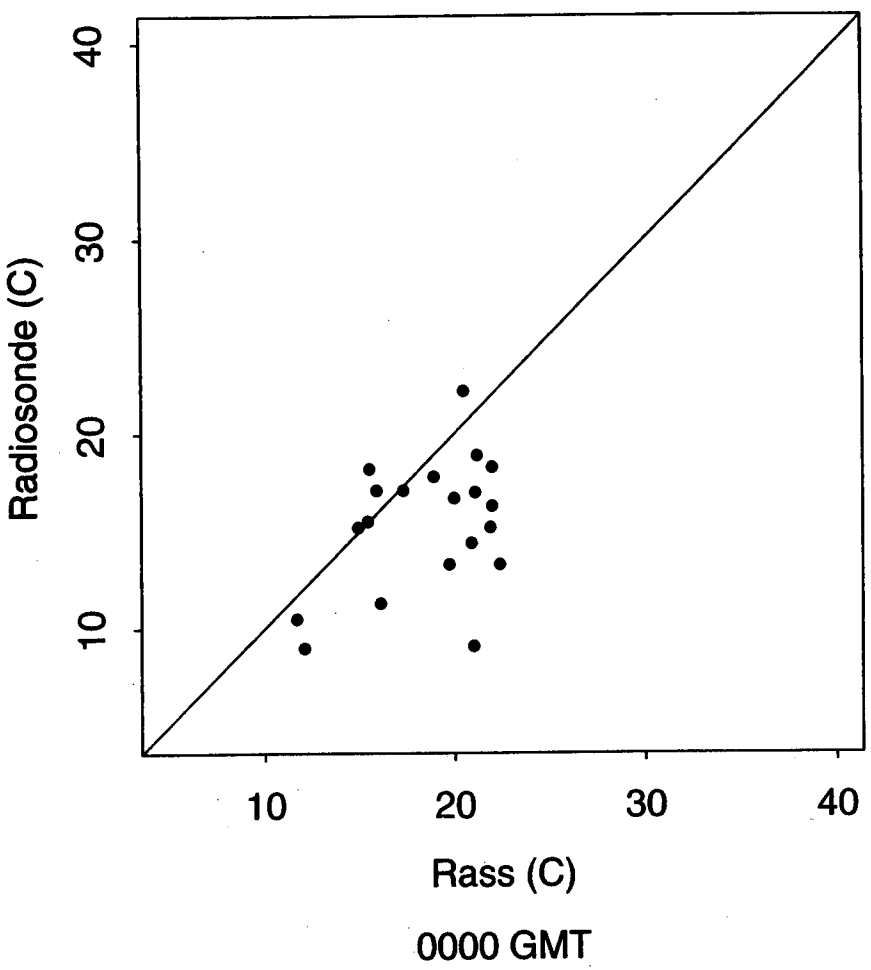
Frequency Distribution of Differences

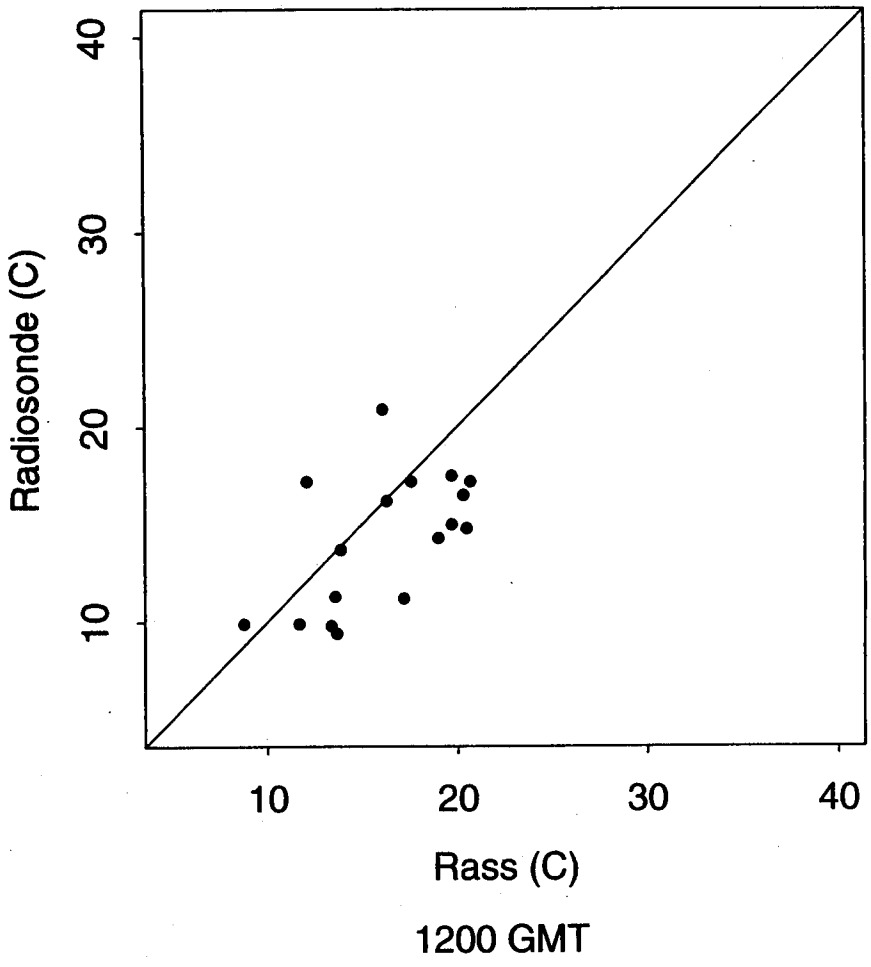
SCI(Radar Wind Profiler) - MFYR(Radiosonde), 300M



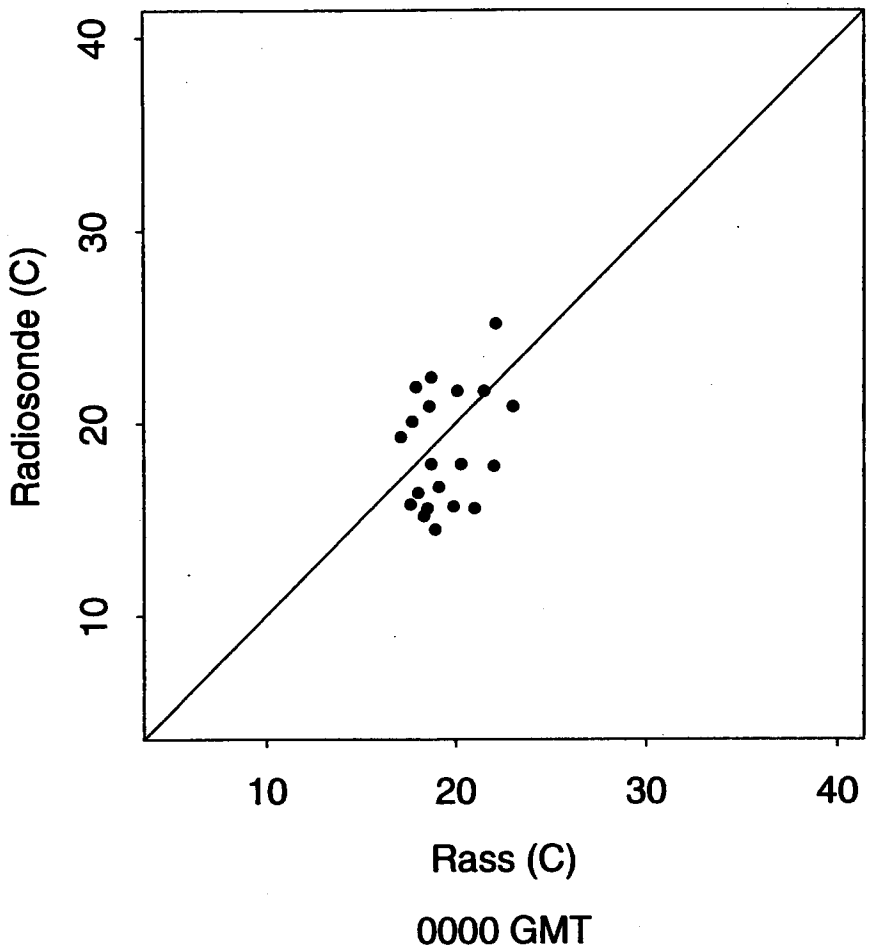


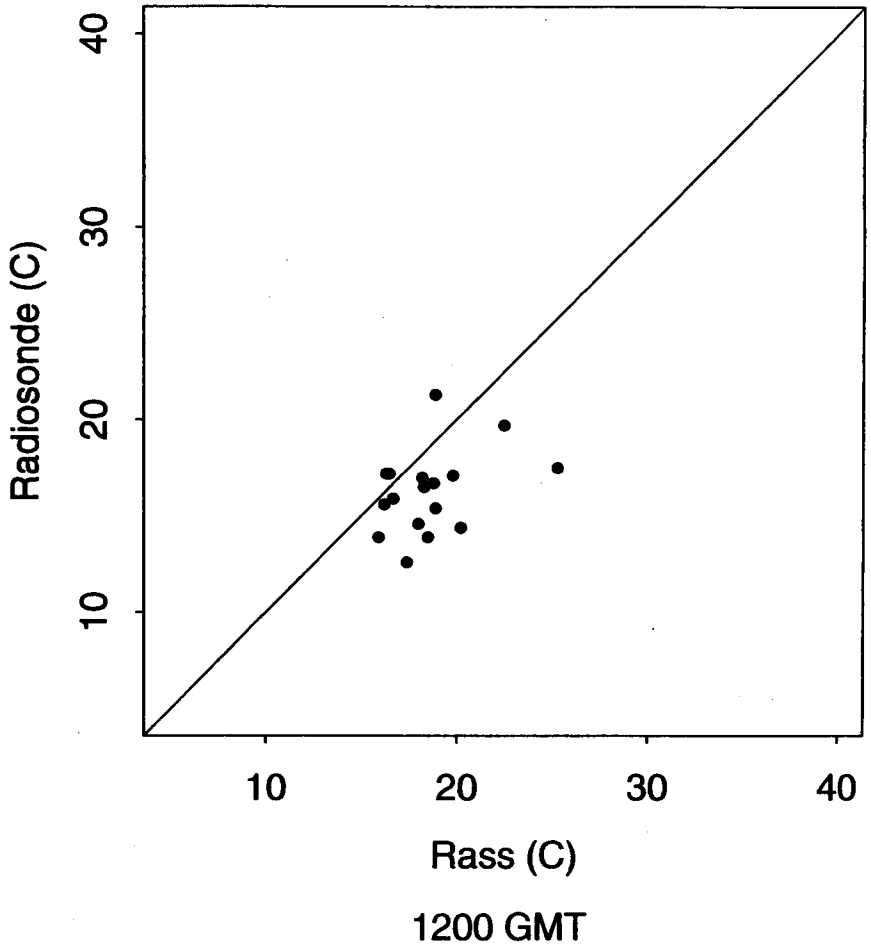
MYFR (Radiosonde) vs PTL (RASS), Height=1000M





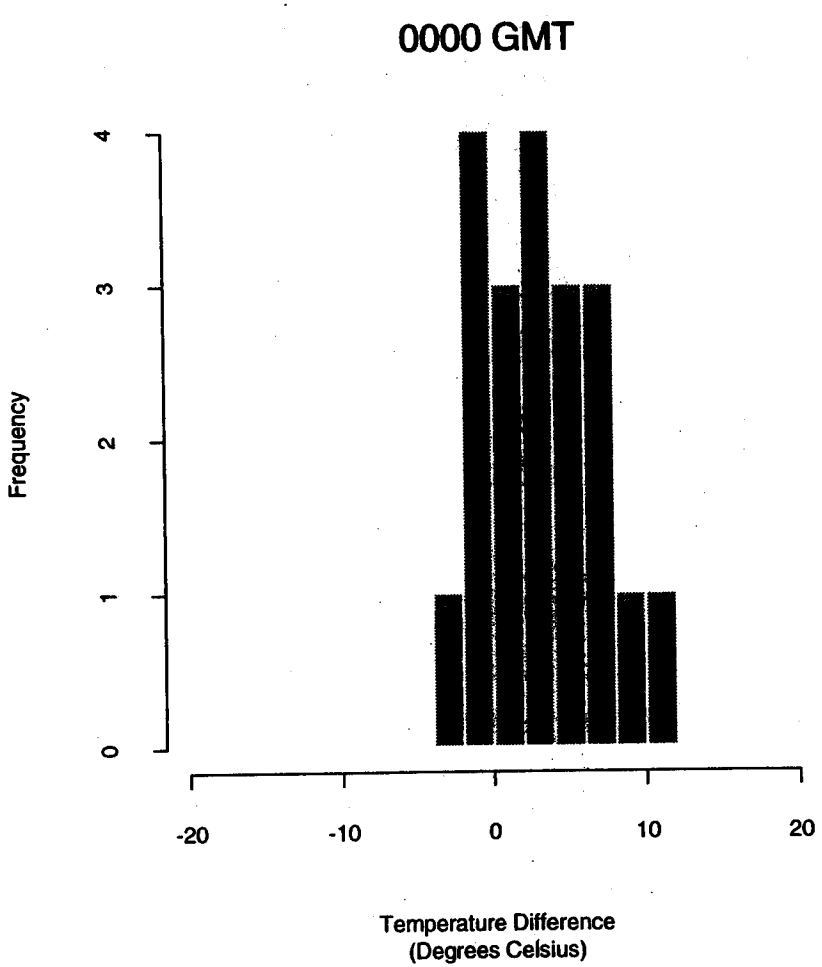
MYFR (Radiosonde) vs PTL (RASS), Height=300 M

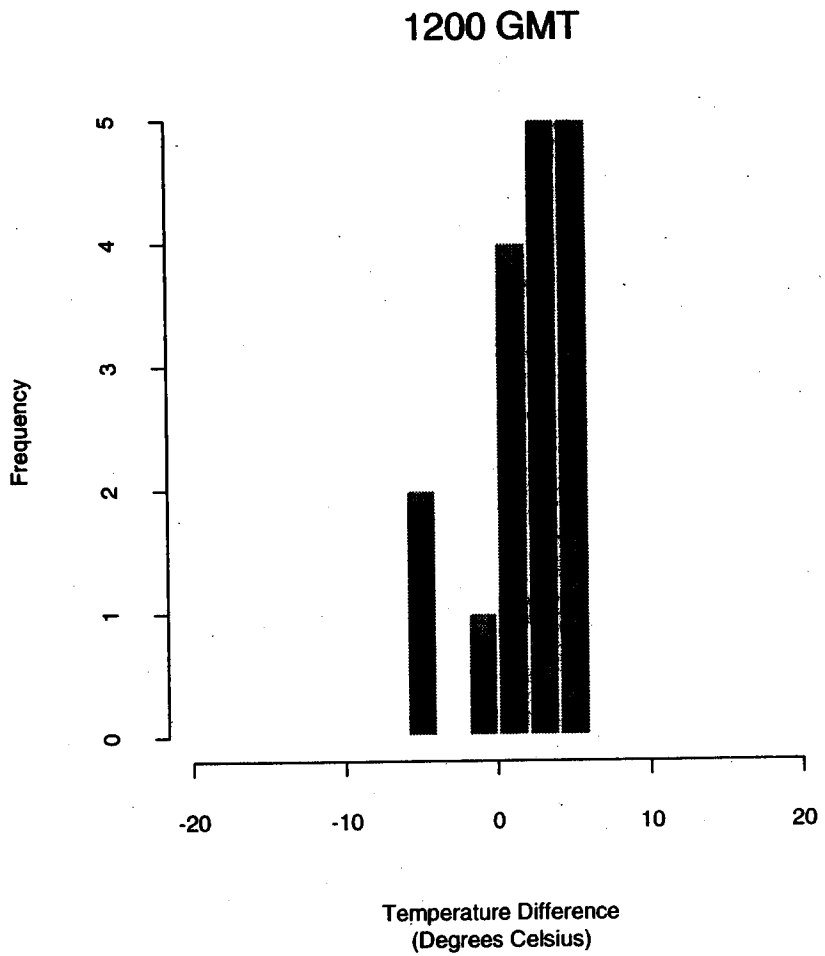




Frequency Distribution of Differences

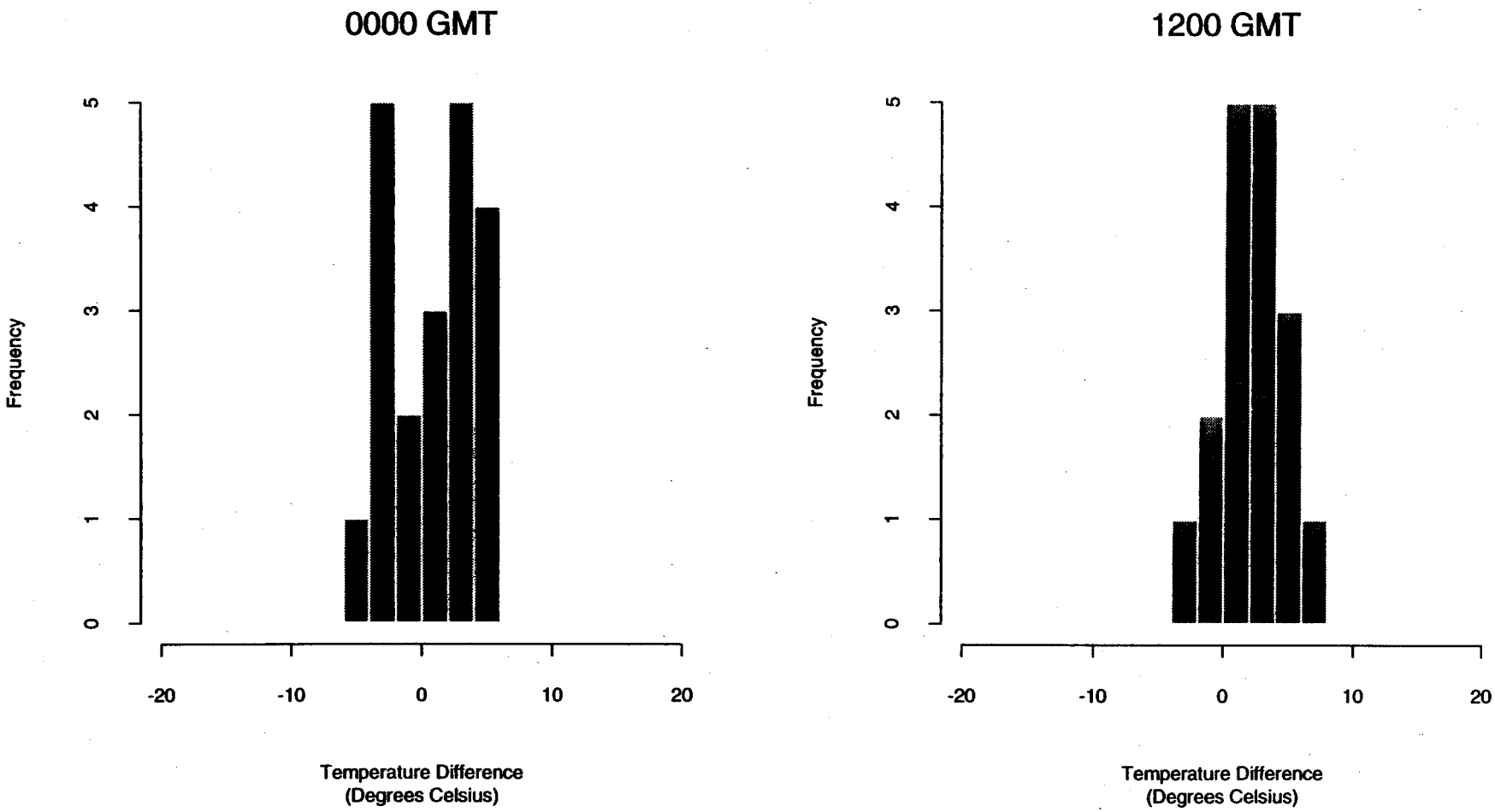
PTL(Radar Wind Profiler) - MFYR(Radiosonde), 1000M





Frequency Distribution of Differences

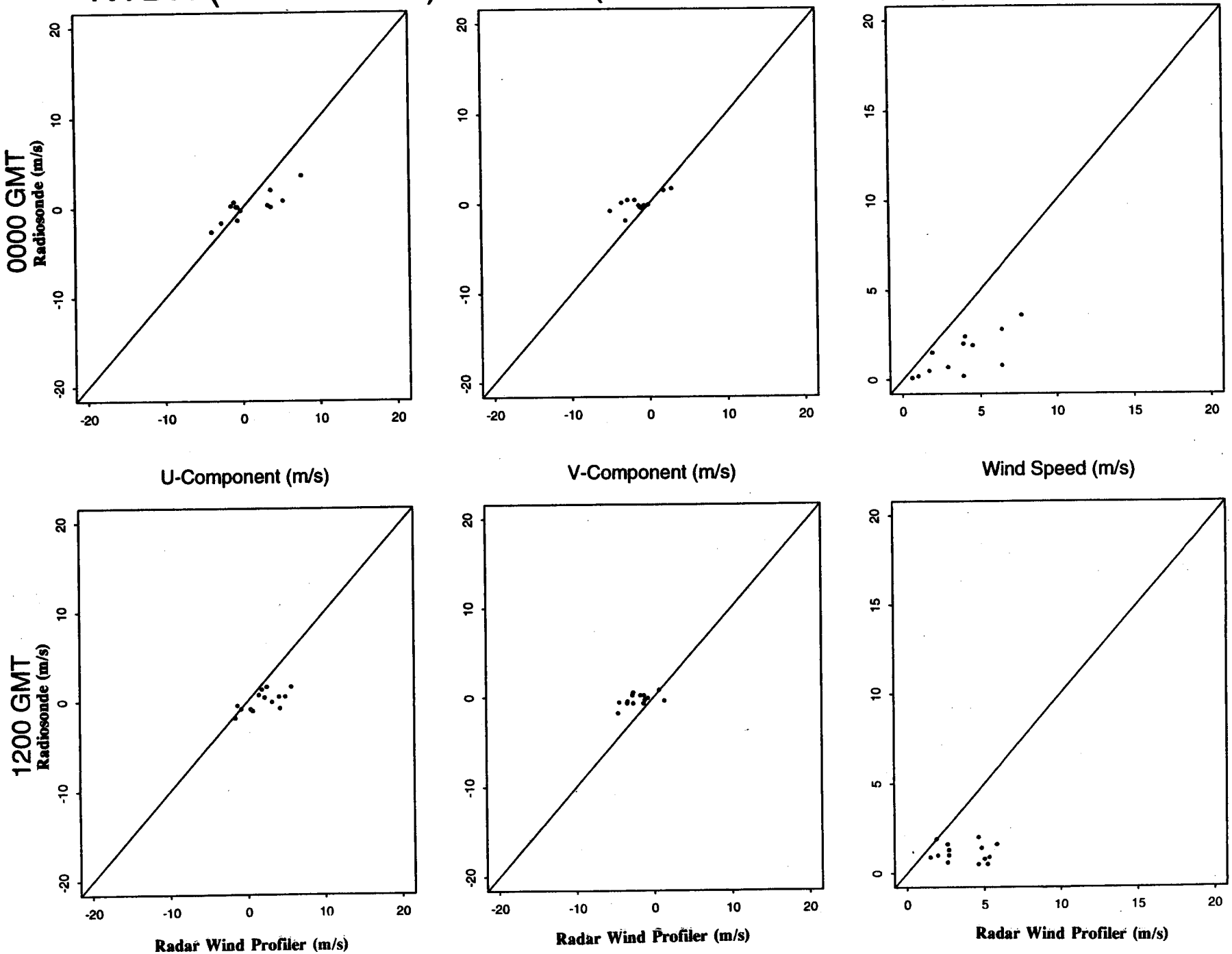
PTL(Radar Wind Profiler) - MFYR(Radiosonde), 300M



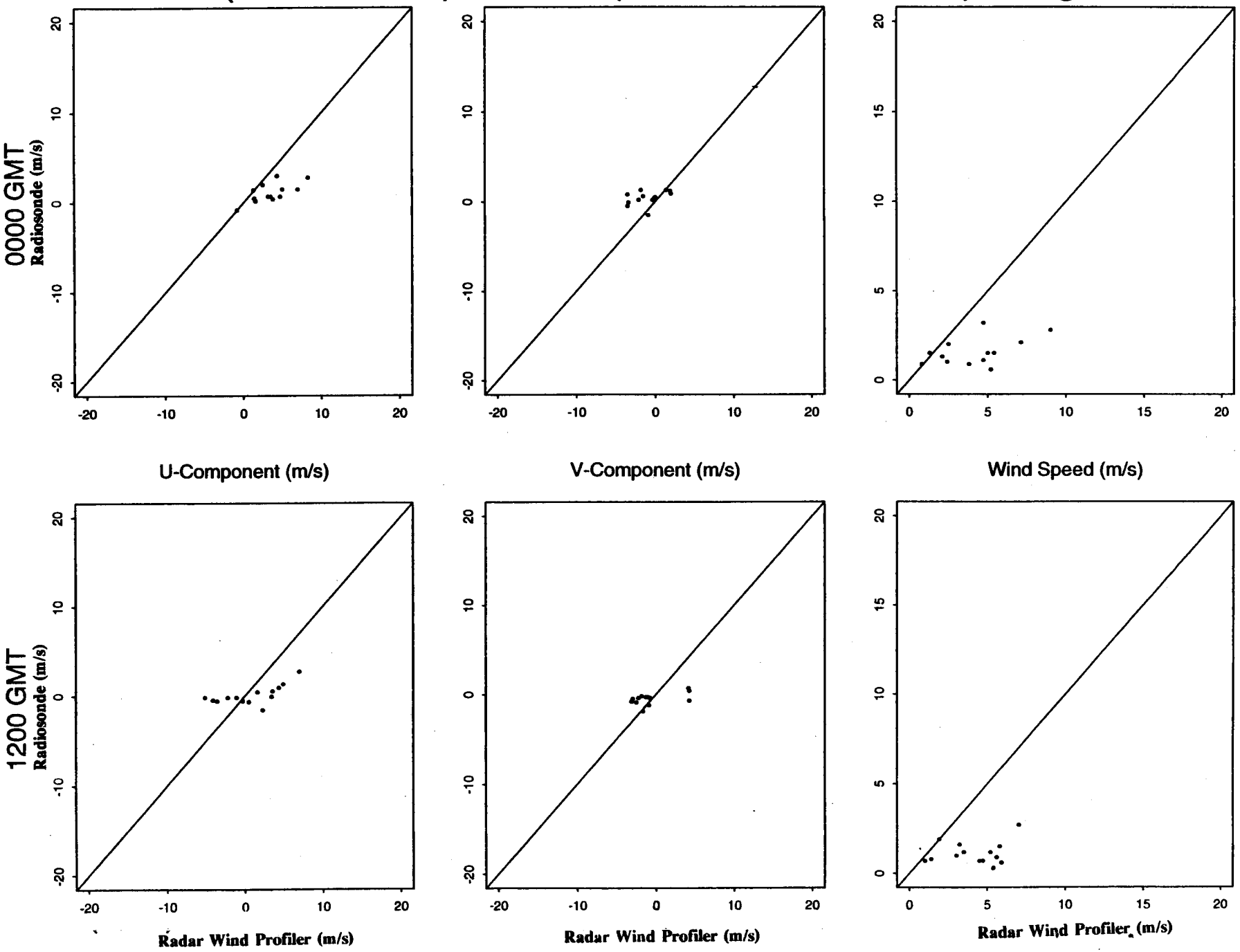
Appendix C1

SCATTER PLOTS OF U AND V WIND COMPONENTS AND WIND SPEEDS AND HISTOGRAMS OF DIFFERENCES BETWEEN U AND V WIND COMPONENT, WIND SPEED, AND WIND DIRECTION DATA FOR RADAR WIND PROFILER (RWP) AND RADIOSONDE SITE PAIRS LOCATED IN THE SOUTH COAST AIR BASIN (SOCAB)

NTDR (Radiosonde) vs PTM (Radar Wind Profiler), Height=1000M

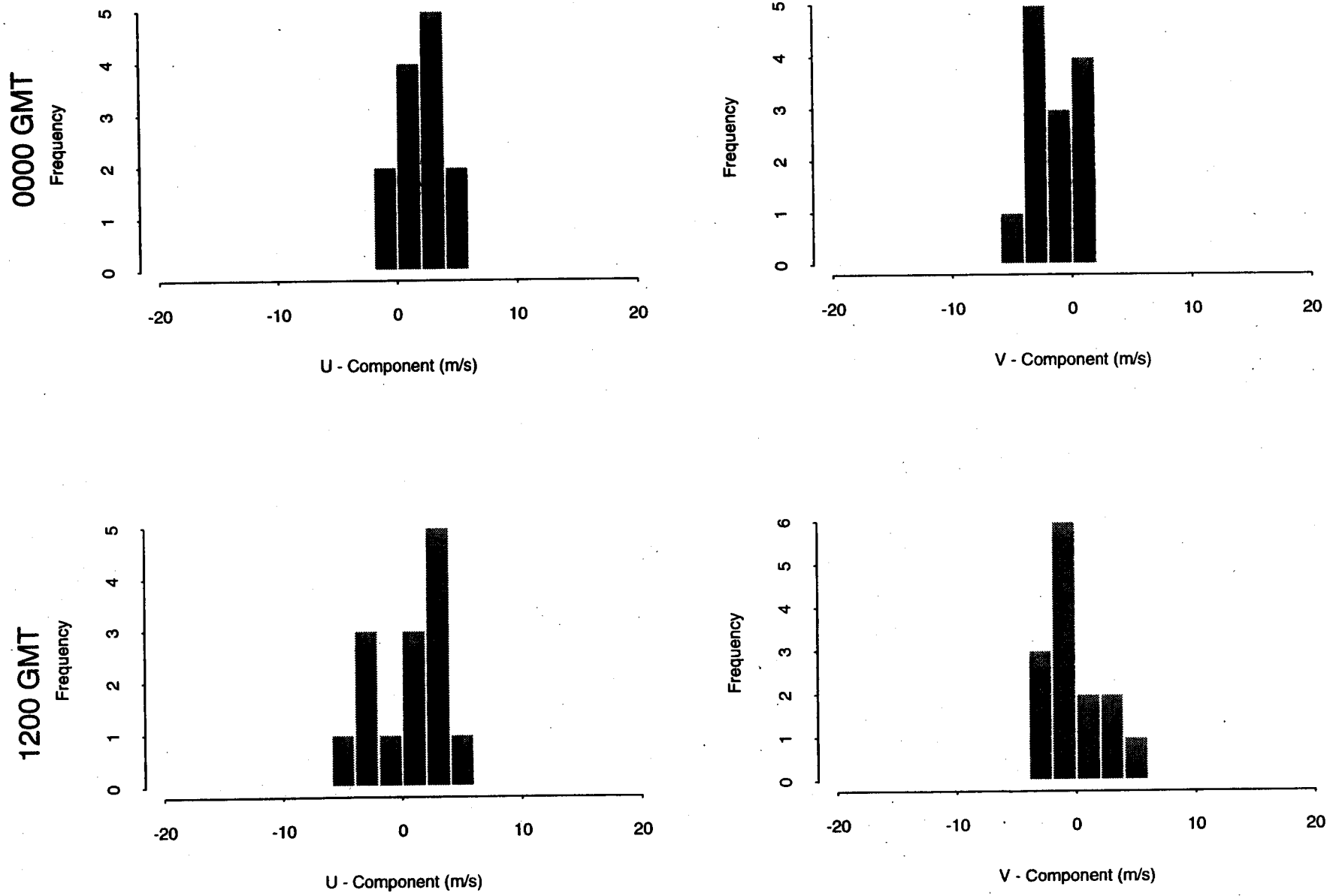


NTDR (Radiosonde) vs PTM (Radar Wind Profiler), Height=300M

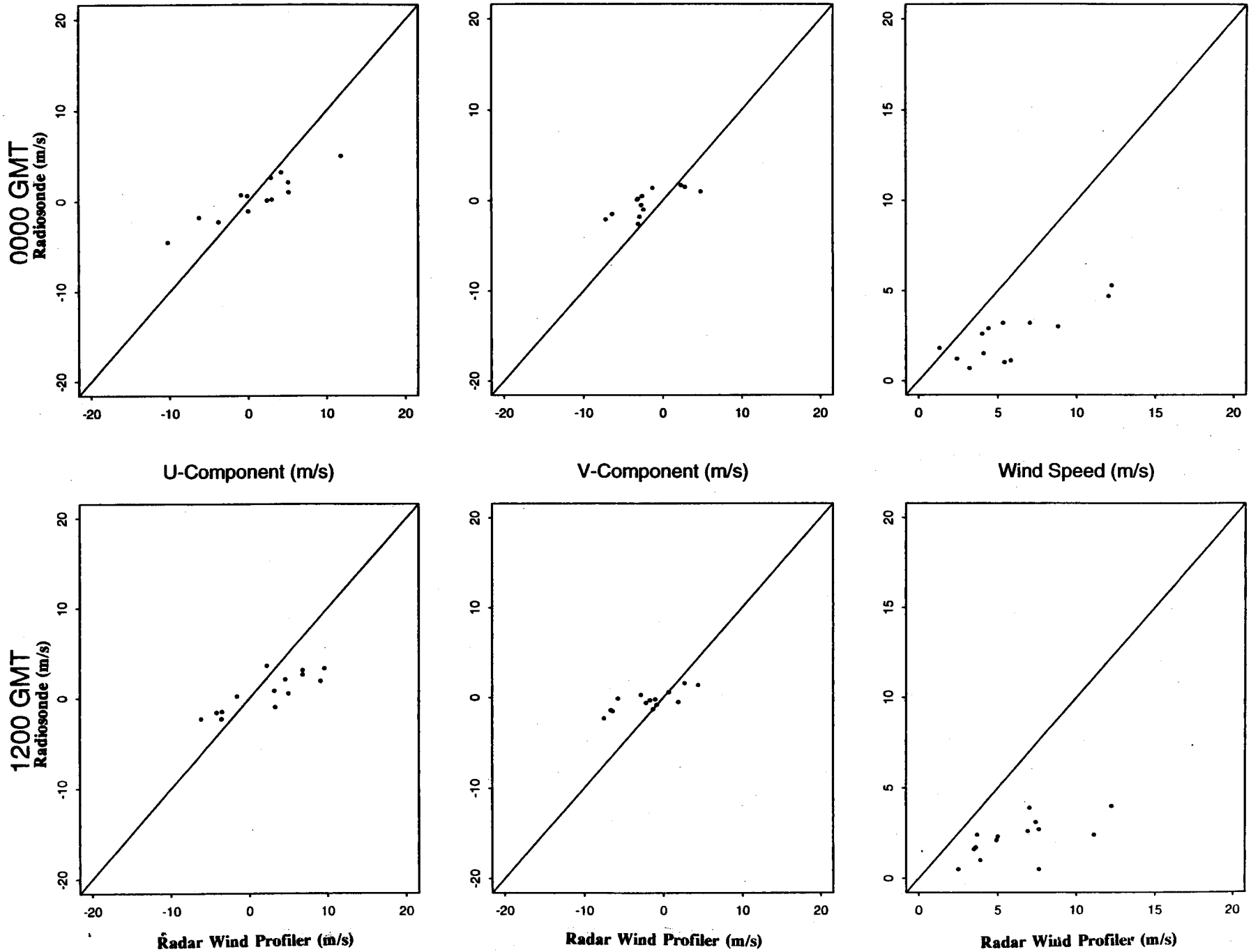


Frequency Distribution of Differences

PTM (Radar Wind Profiler) - NTDR (Radiosonde), 300M



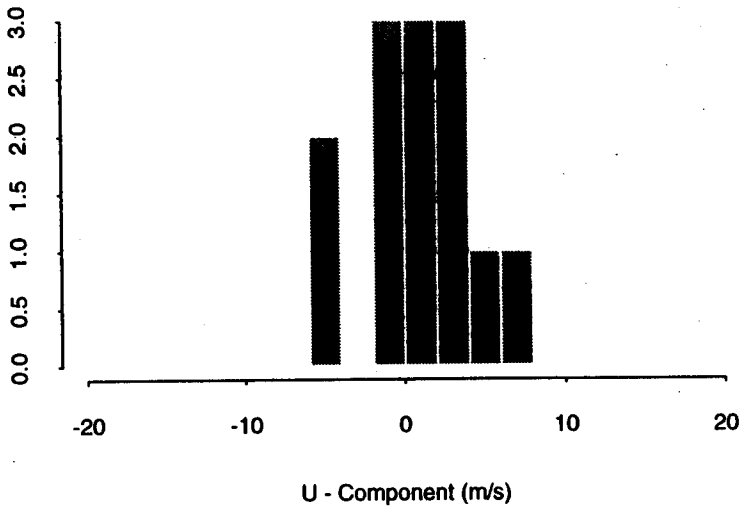
NTDR (Radiosonde) vs PTM (Radar Wind Profiler), Height=2000M

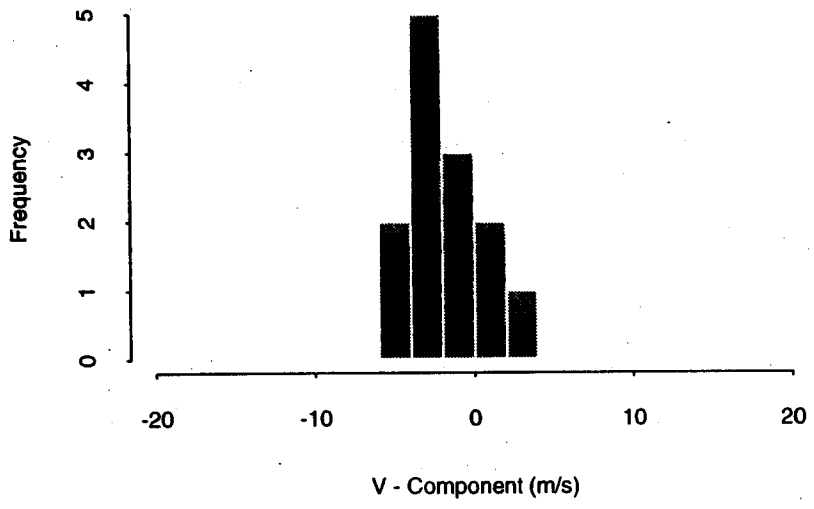


Frequency Distribution of Differences

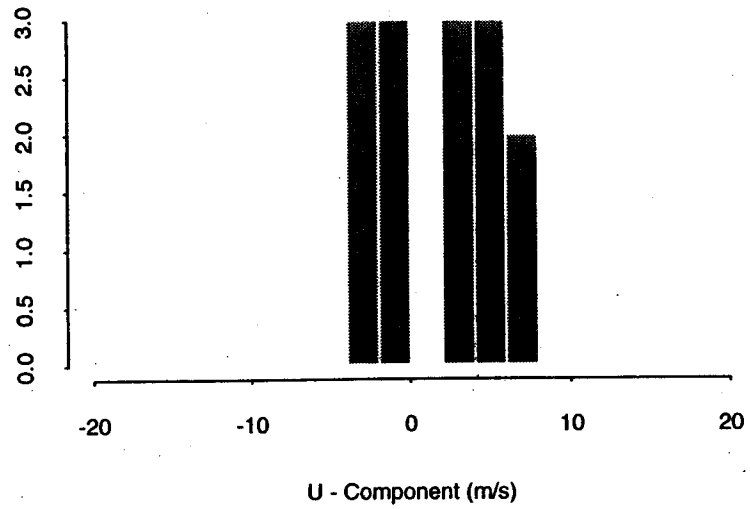
PTM (Radar Wind Profiler) - NTDR (Radiosonde), 2000M

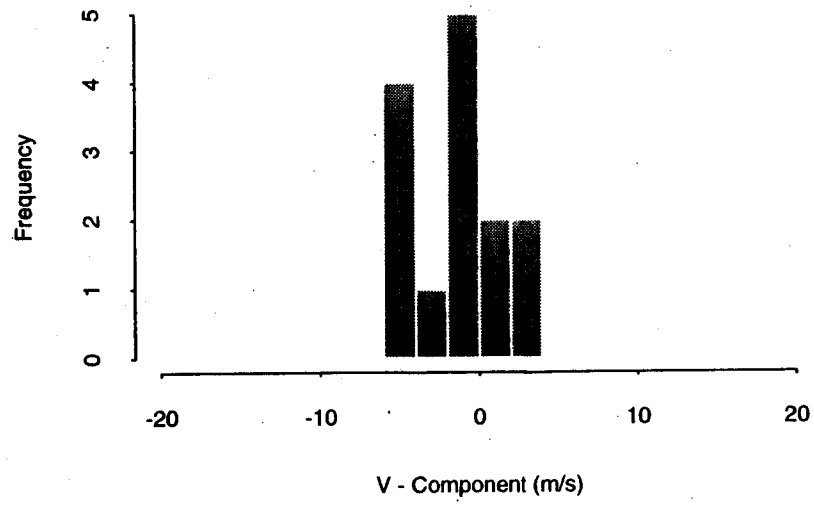
0000 GMT





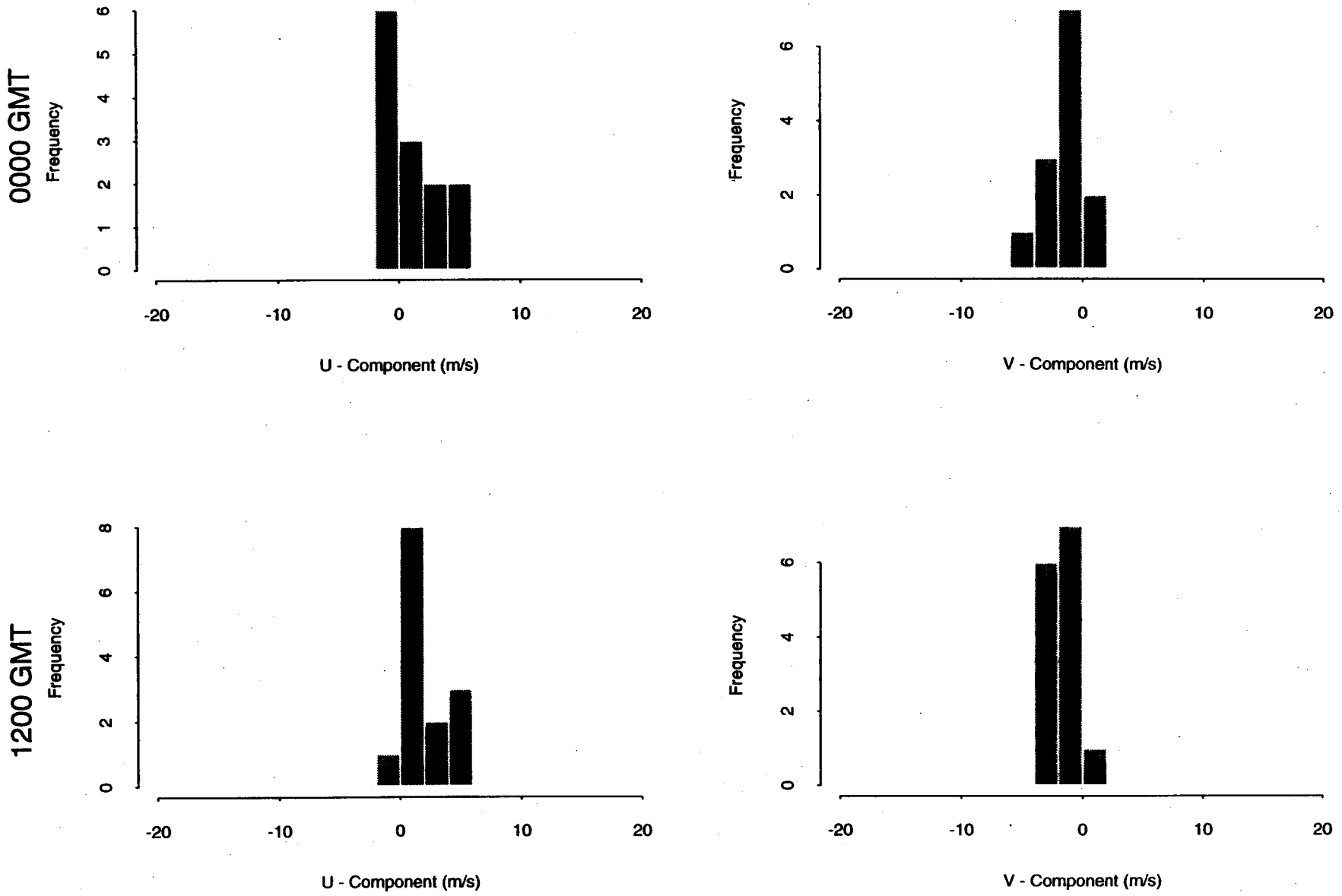
1200 GMT





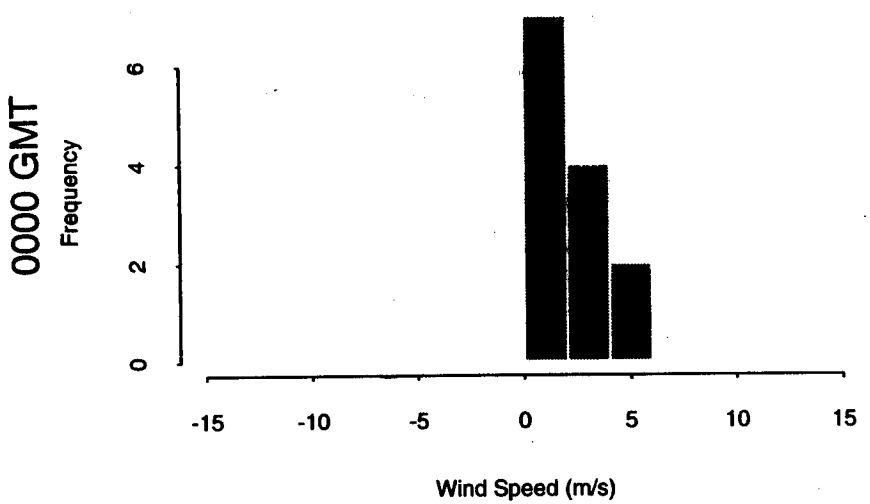
Frequency Distribution of Differences

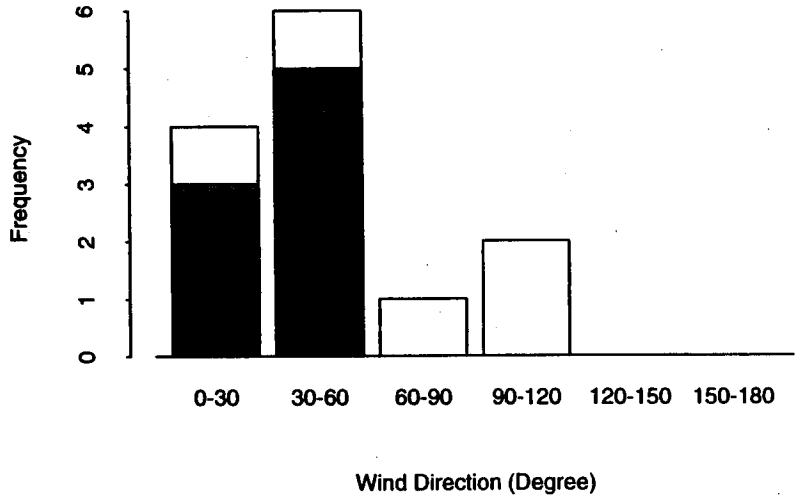
PTM (Radar Wind Profiler) - NTDR (Radiosonde), 1000M

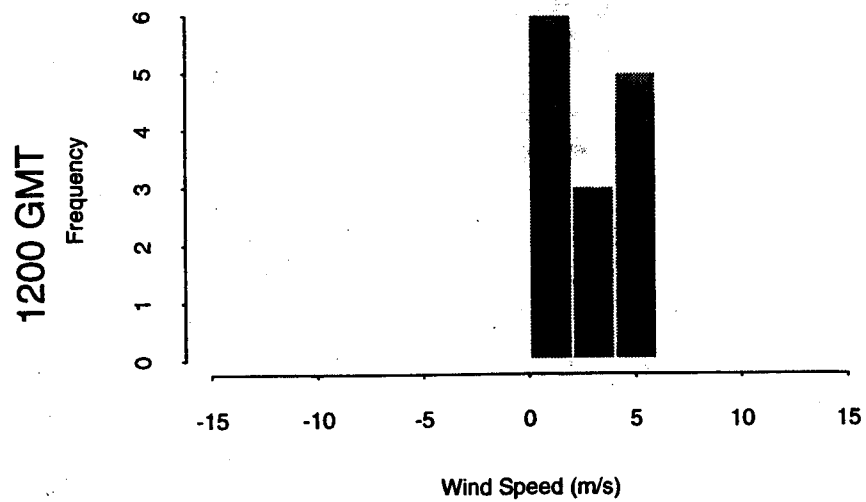


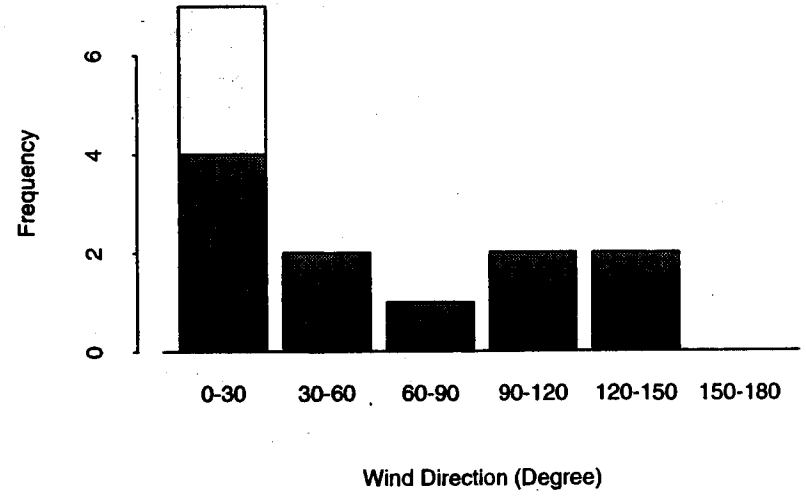
Frequency Distribution of Differences

PTM (Radar Wind Profiler) - NTDR (Radiosonde), 1000M



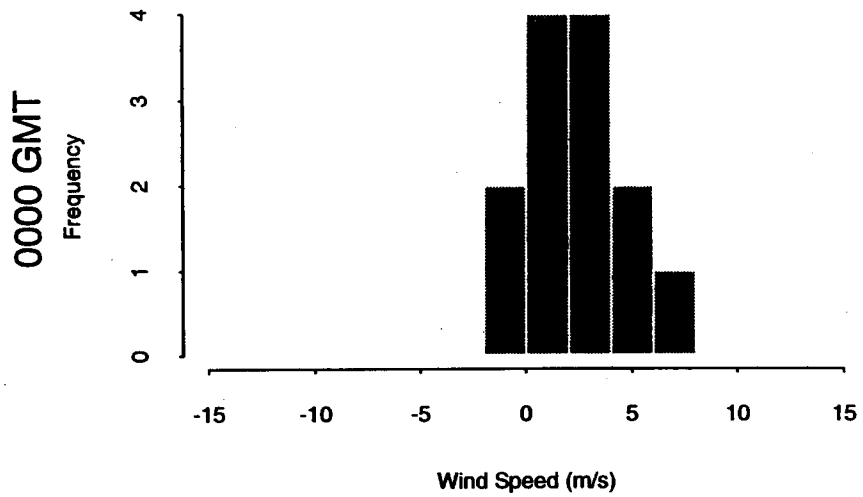


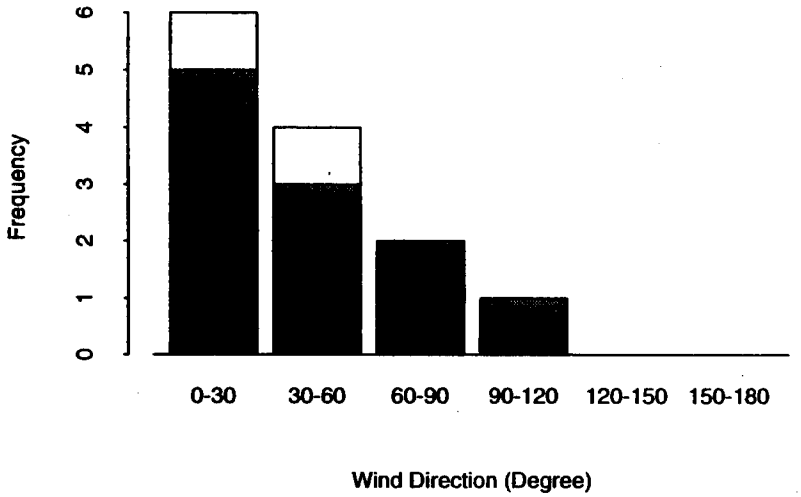


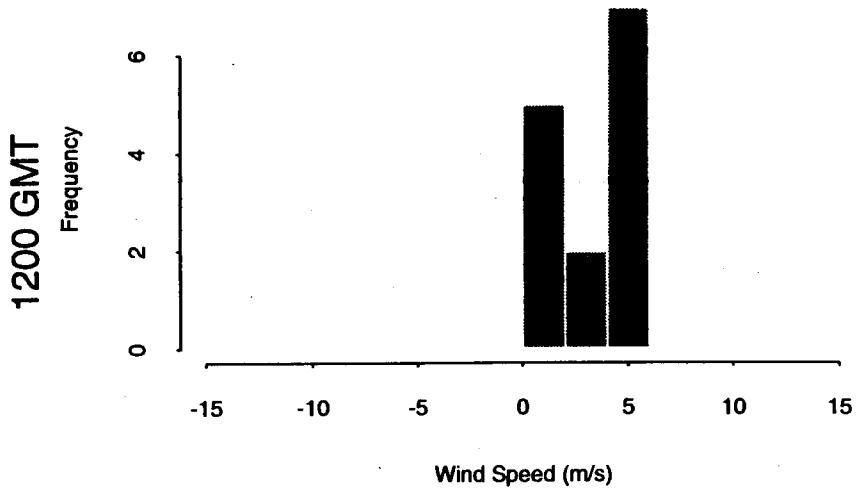


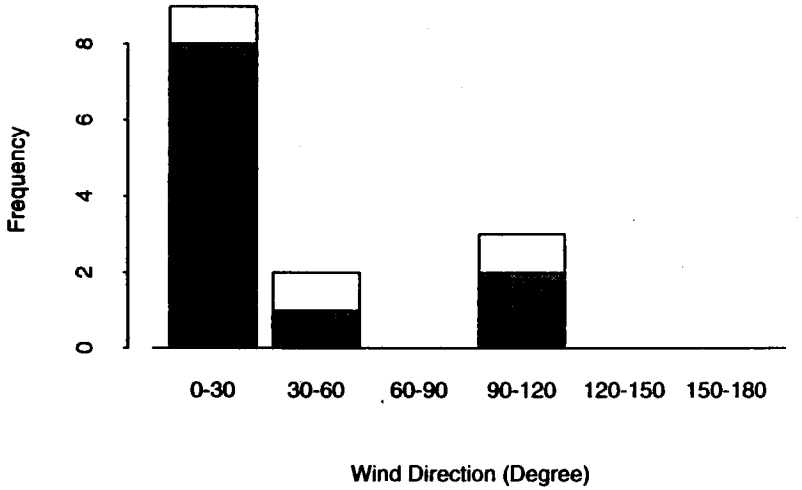
Frequency Distribution of Differences

PTM (Radar Wind Profiler) - NTDR (Radiosonde), 300M

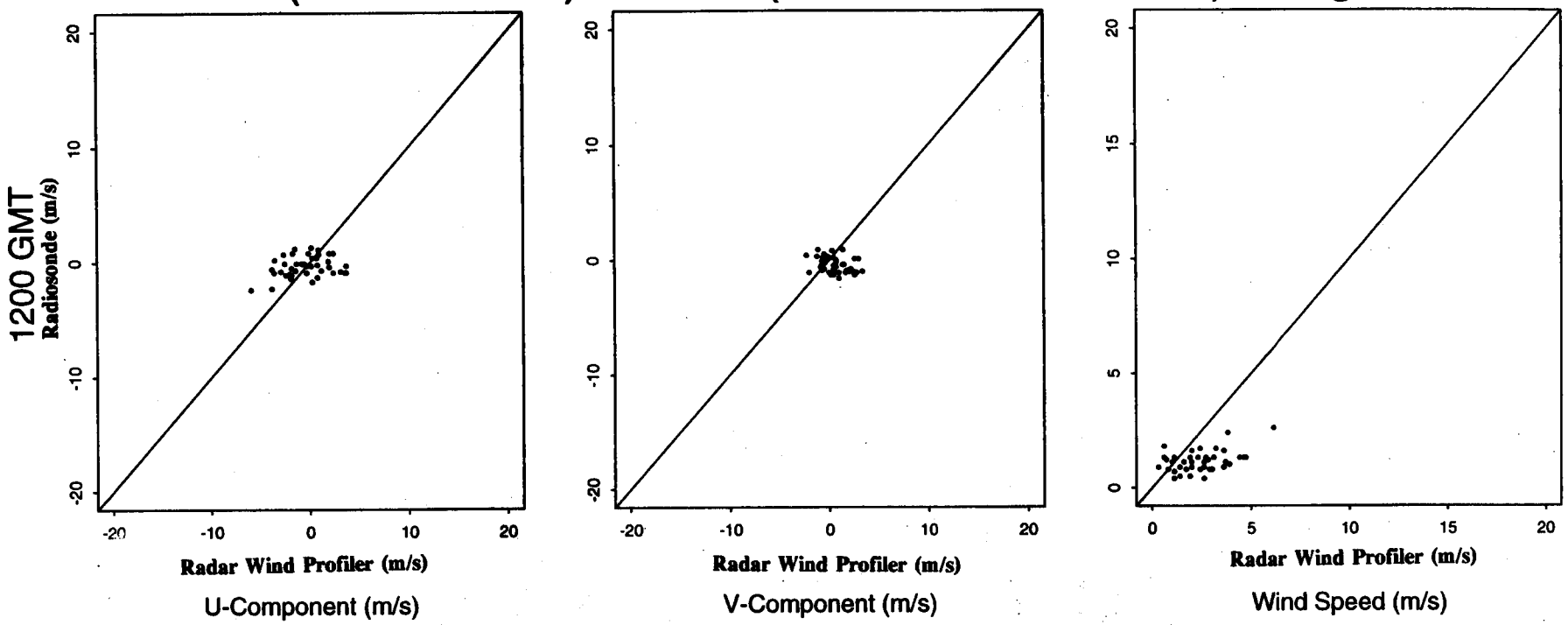






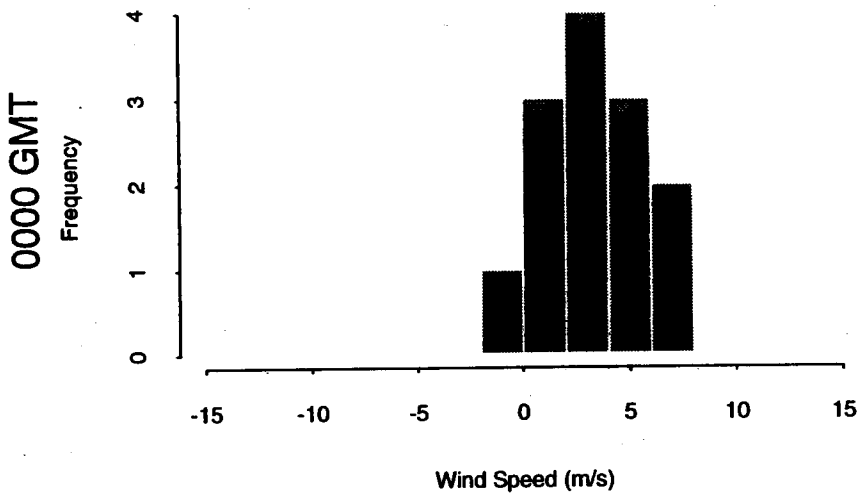


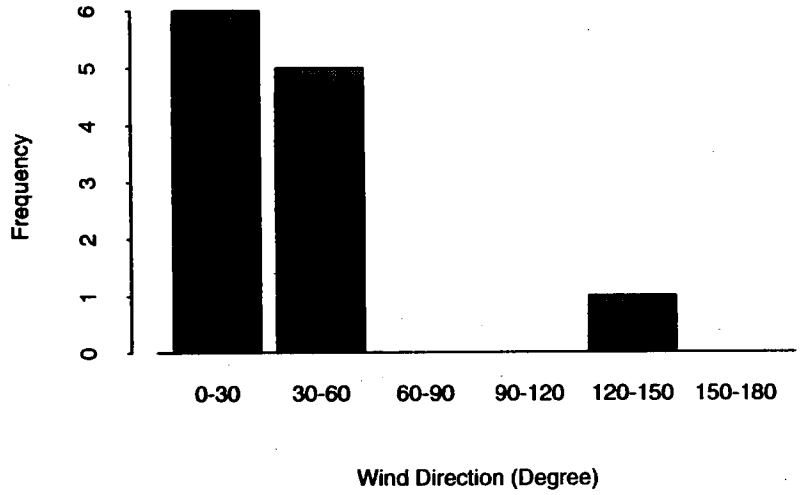
UCLR (Radiosonde) vs LAX (Radar Wind Profiler), Height=100M

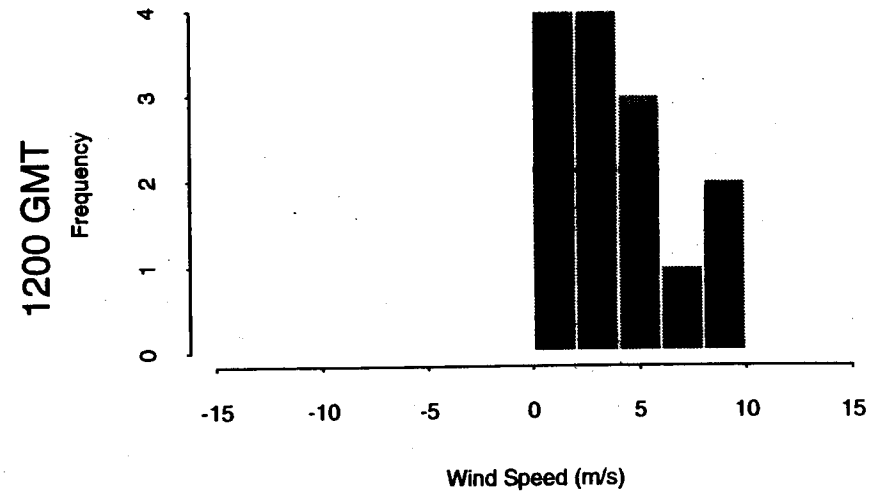


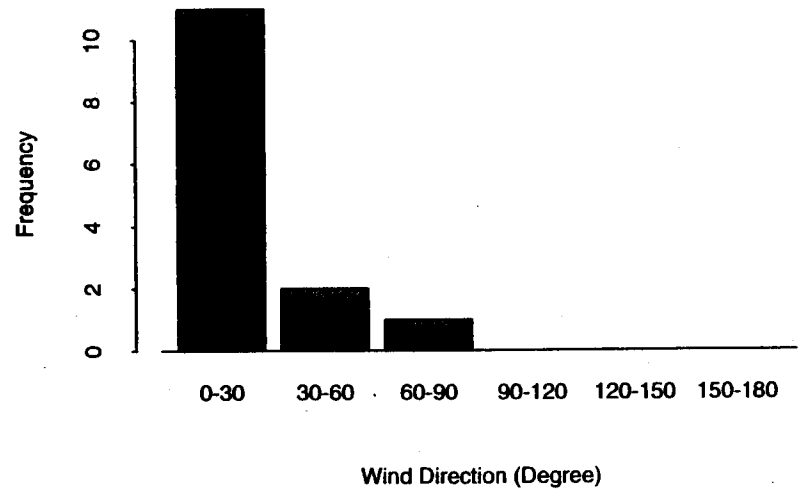
Frequency Distribution of Differences

PTM (Radar Wind Profiler) - NTDR (Radiosonde), 2000M

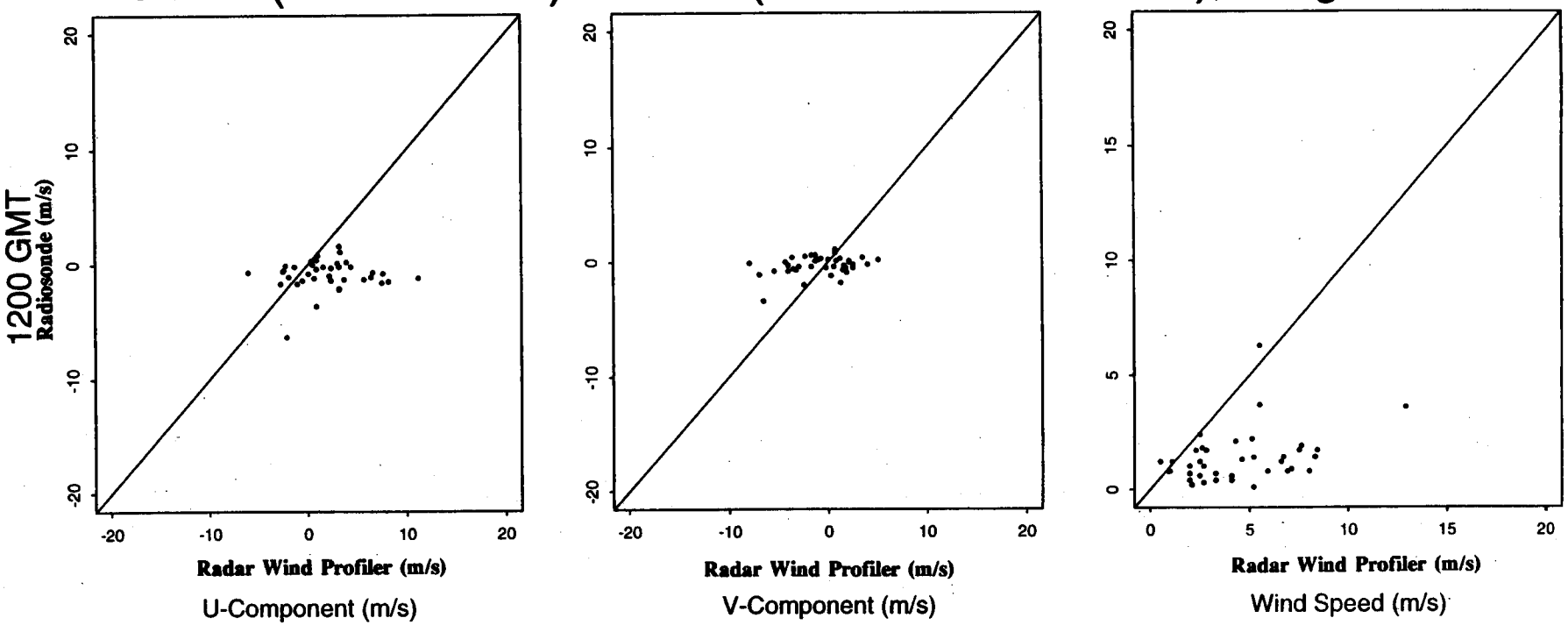




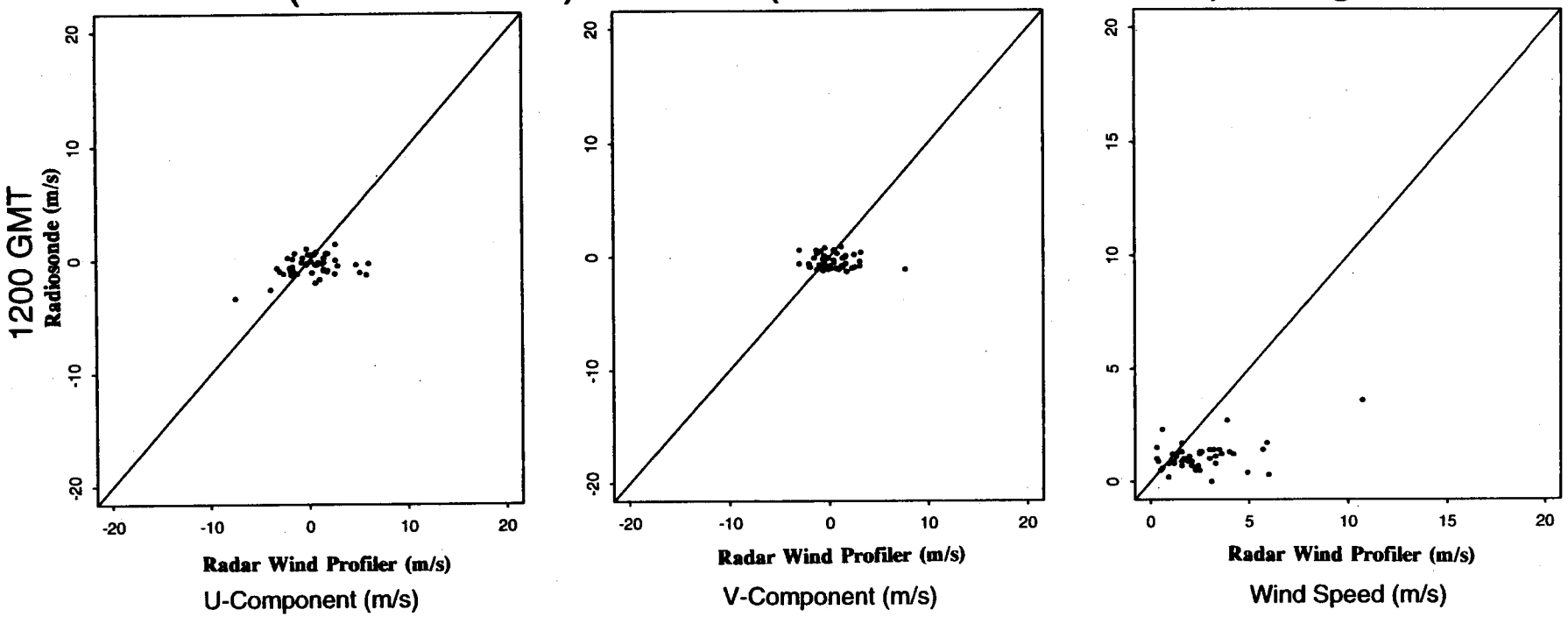




UCLR (Radiosonde) vs LAX (Radar Wind Profiler), Height=1000M

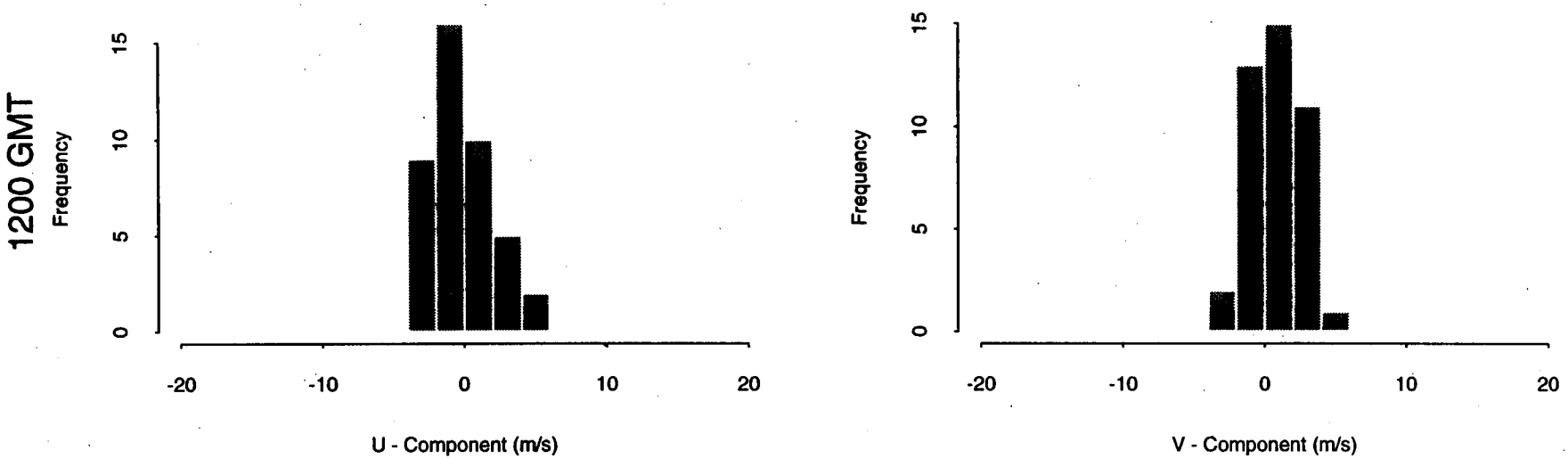


UCLR (Radiosonde) vs LAX (Radar Wind Profiler), Height=300M

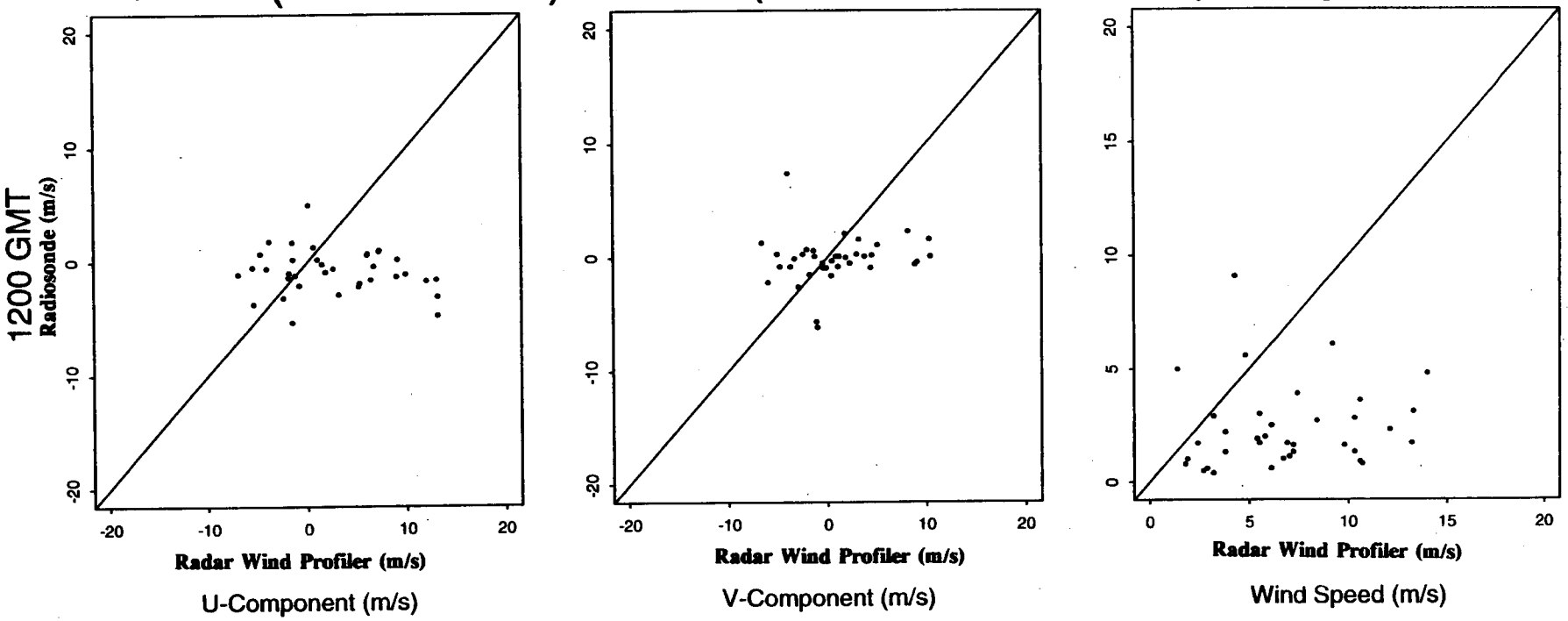


Frequency Distribution of Differences

LAX (Radar Wind Profiler) - UCLA (Radiosonde), 100M

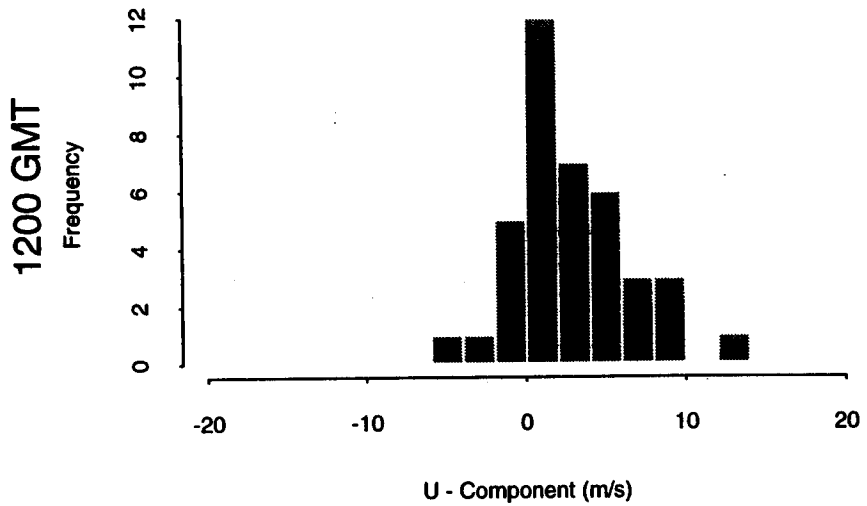


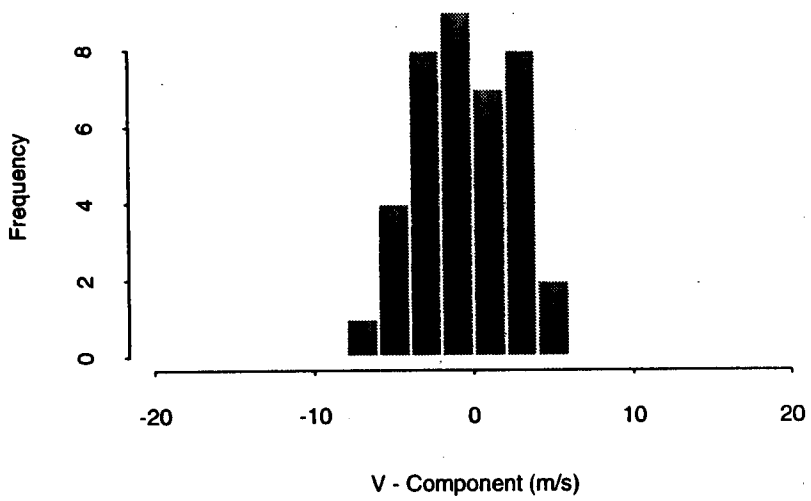
UCLR (Radiosonde) vs LAX (Radar Wind Profiler), Height=2000M



Frequency Distribution of Differences

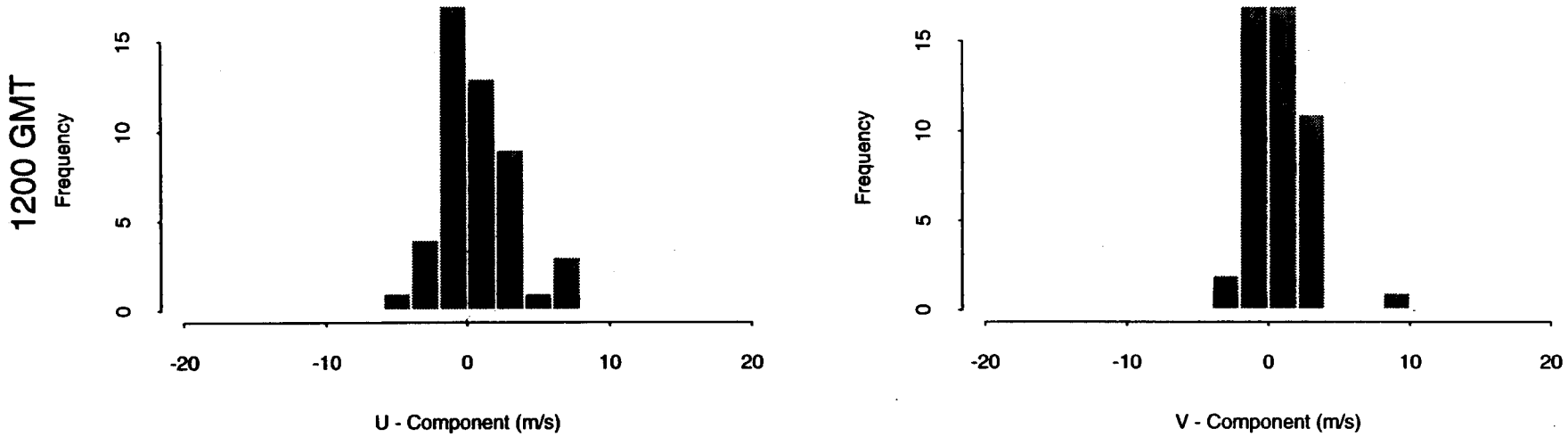
LAX (Radar Wind Profiler) - UCLA (Radiosonde), 1000M





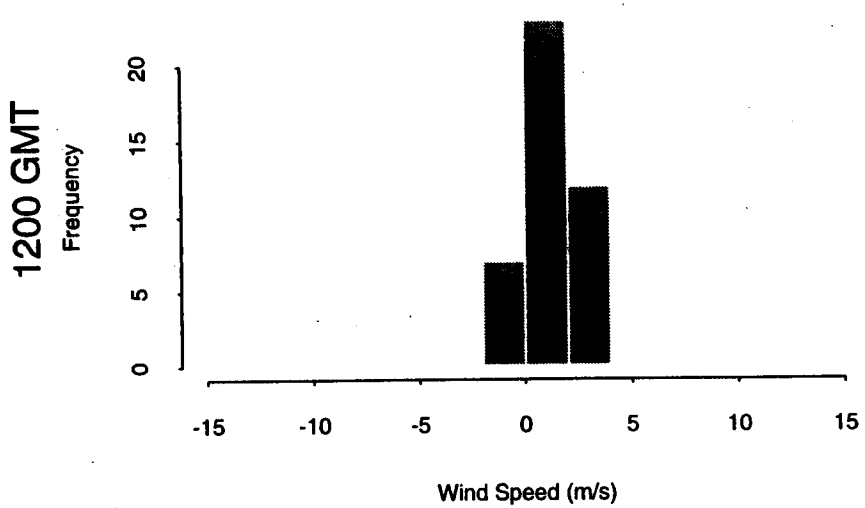
Frequency Distribution of Differences

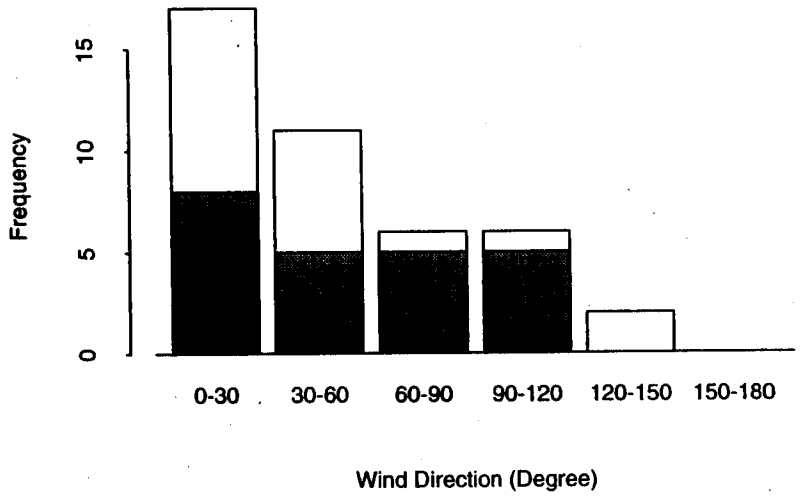
LAX (Radar Wind Profiler) - UCLA (Radiosonde), 300M



Frequency Distribution of Differences

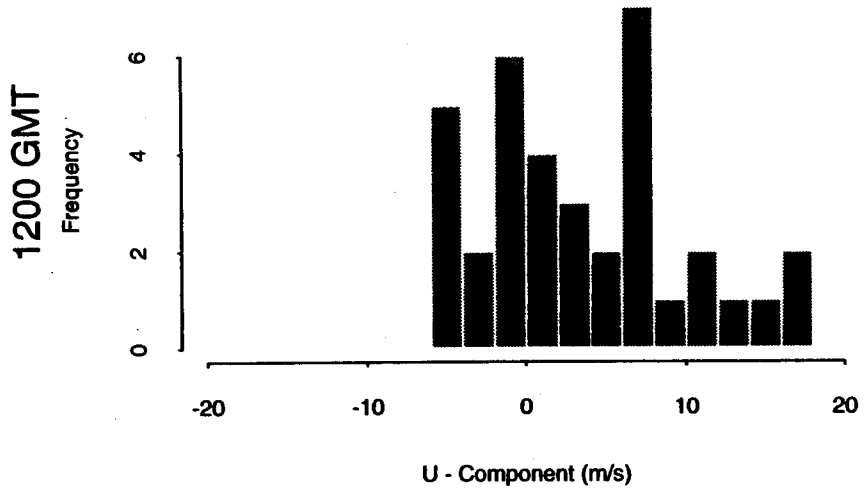
LAX (Radar Wind Profiler) - UCLA (Radiosonde), 100M

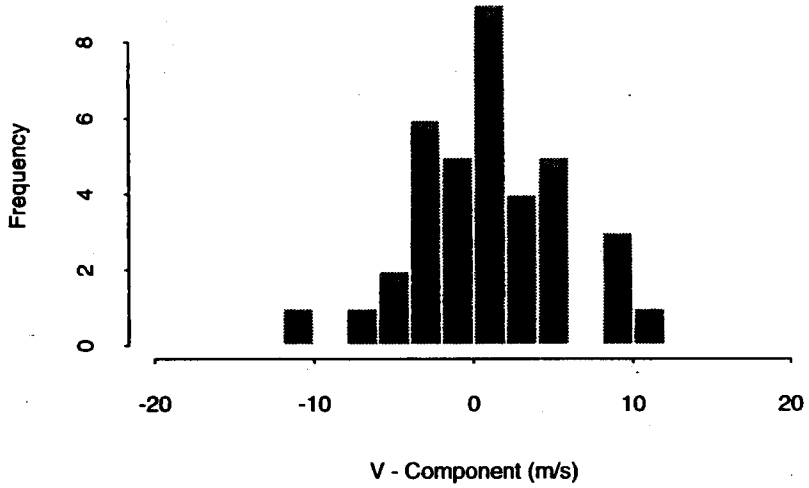




Frequency Distribution of Differences

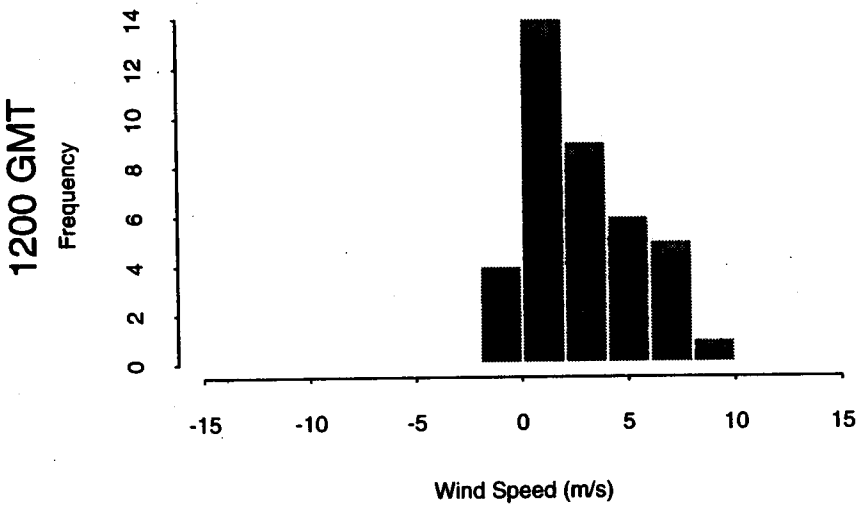
LAX (Radar Wind Profiler) - UCLA (Radiosonde), 2000M

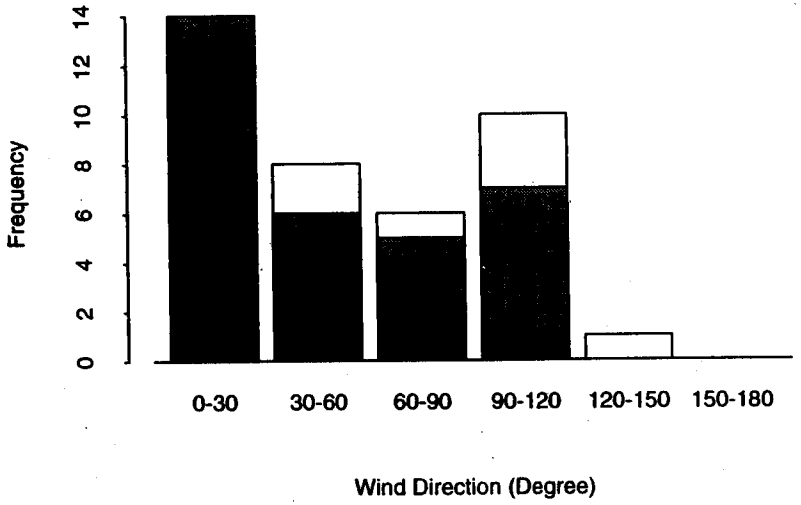




Frequency Distribution of Differences

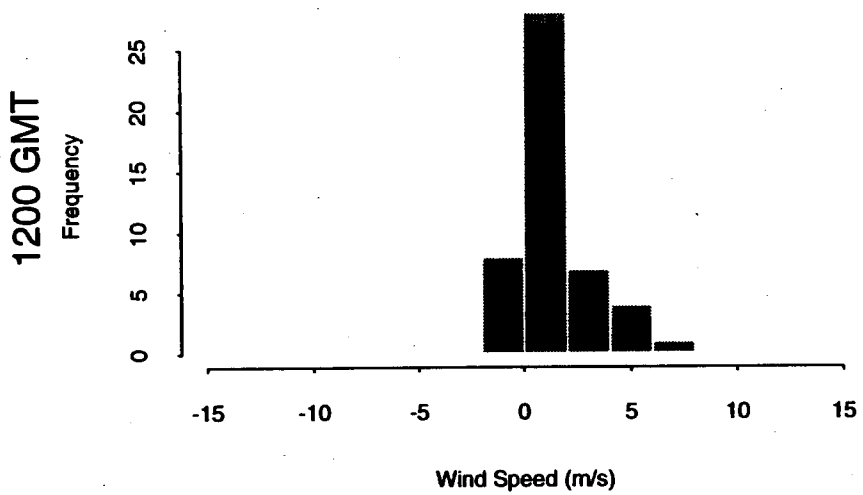
LAX (Radar Wind Profiler) - UCLA (Radiosonde), 1000M

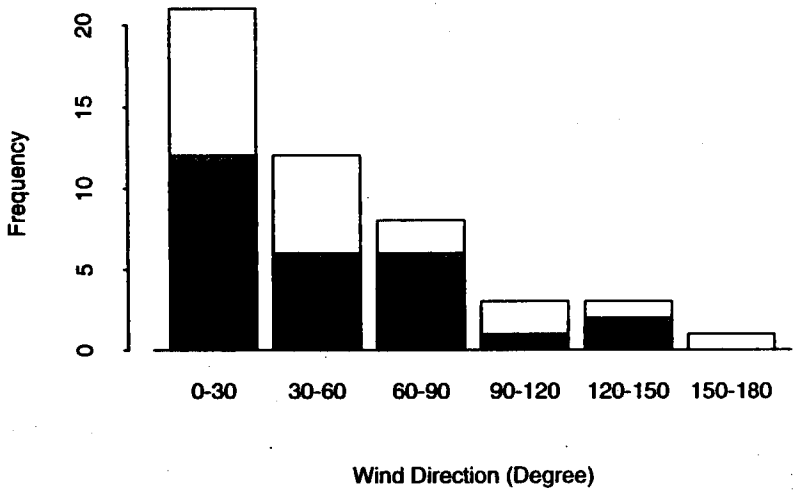




Frequency Distribution of Differences

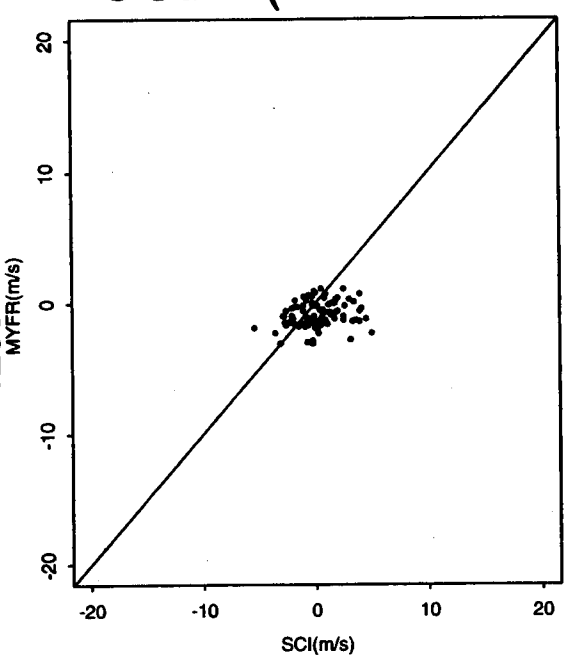
LAX (Radar Wind Profiler) - UCLA (Radiosonde), 300M



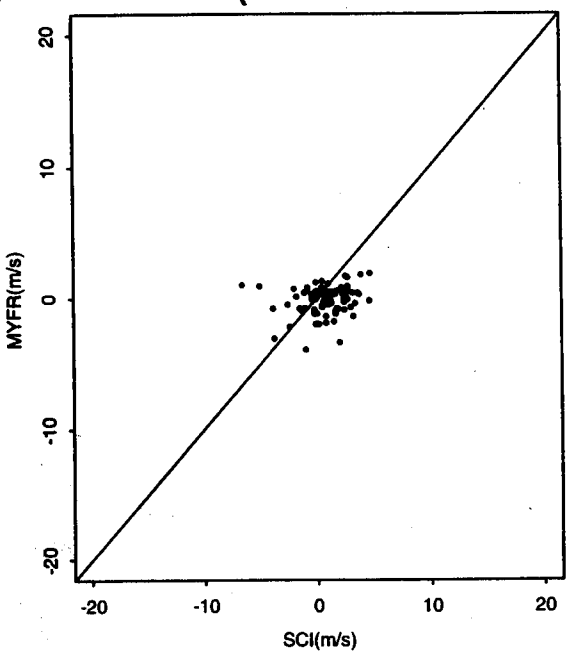


UCLA (Radiosonde) vs SBO (Radar Wind Profiler), Height=1000M

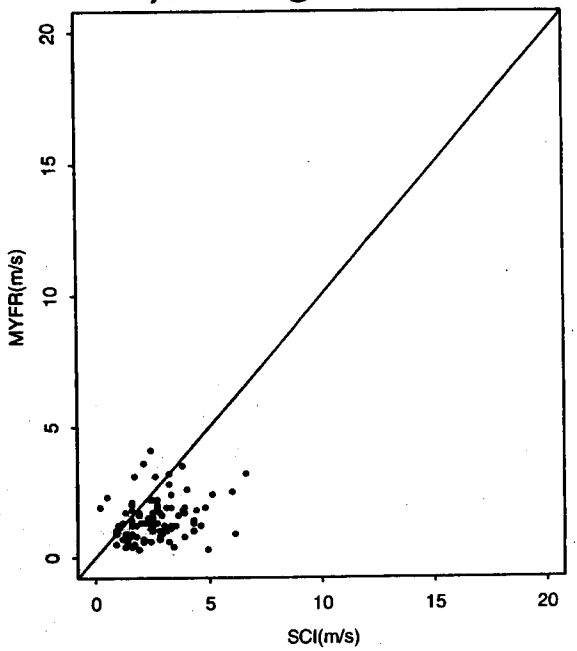
1200 GMT



U-Component (m/s)



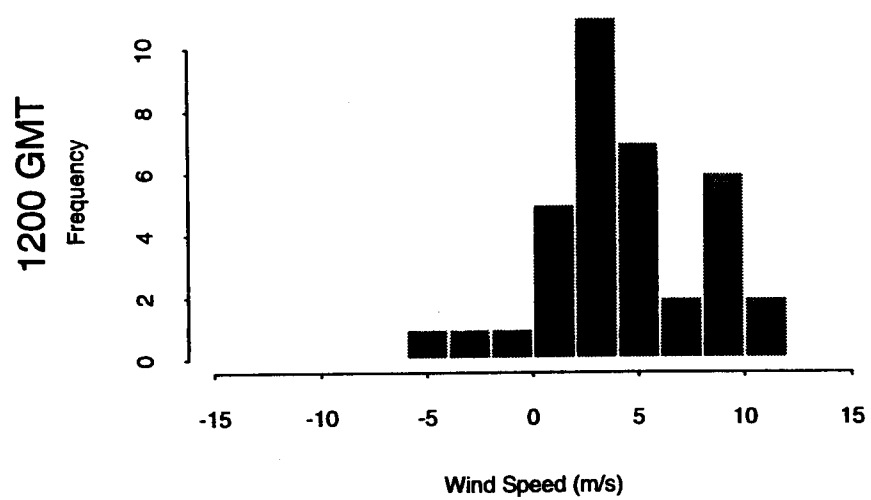
V-Component (m/s)

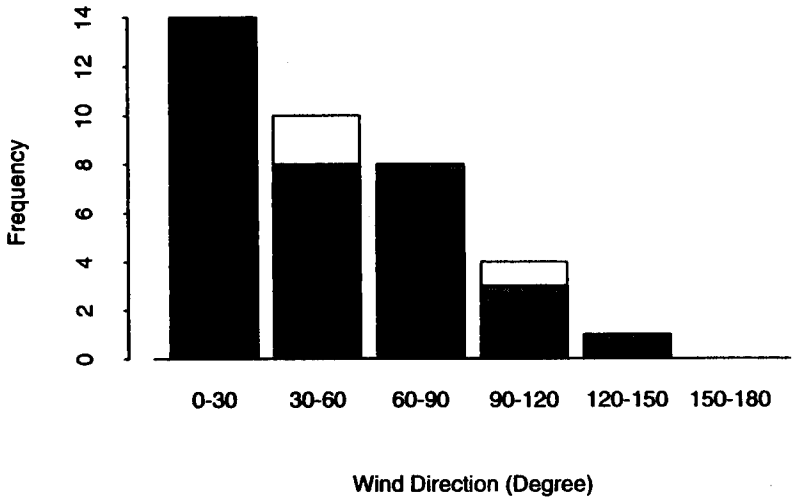


Wind Speed (m/s)

Frequency Distribution of Differences

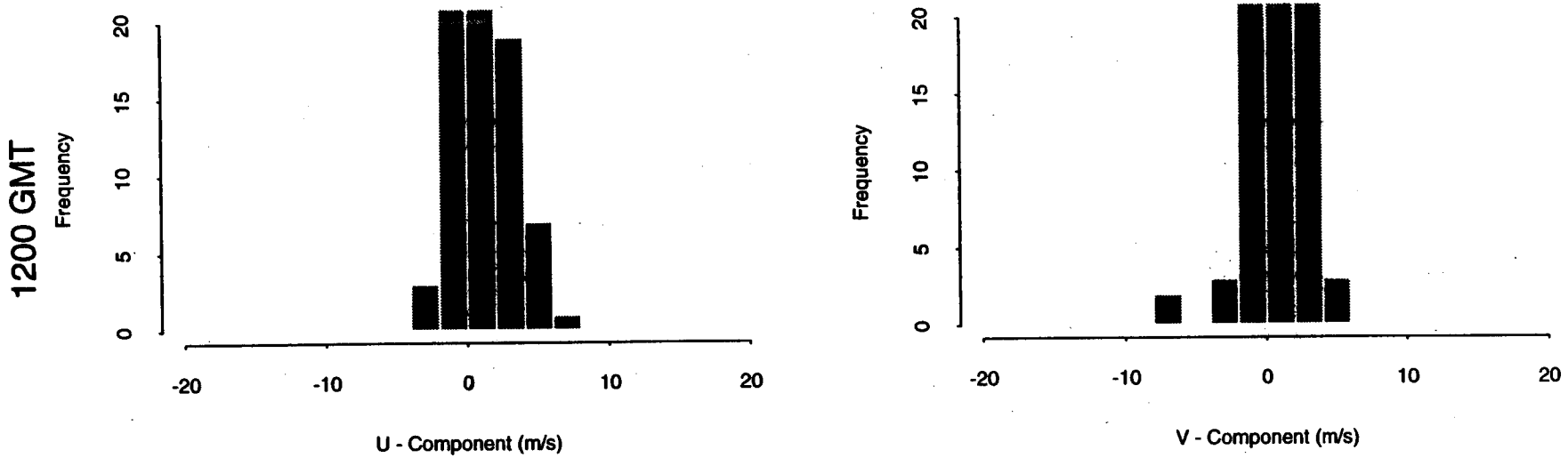
LAX (Radar Wind Profiler) - UCLA (Radiosonde), 2000M



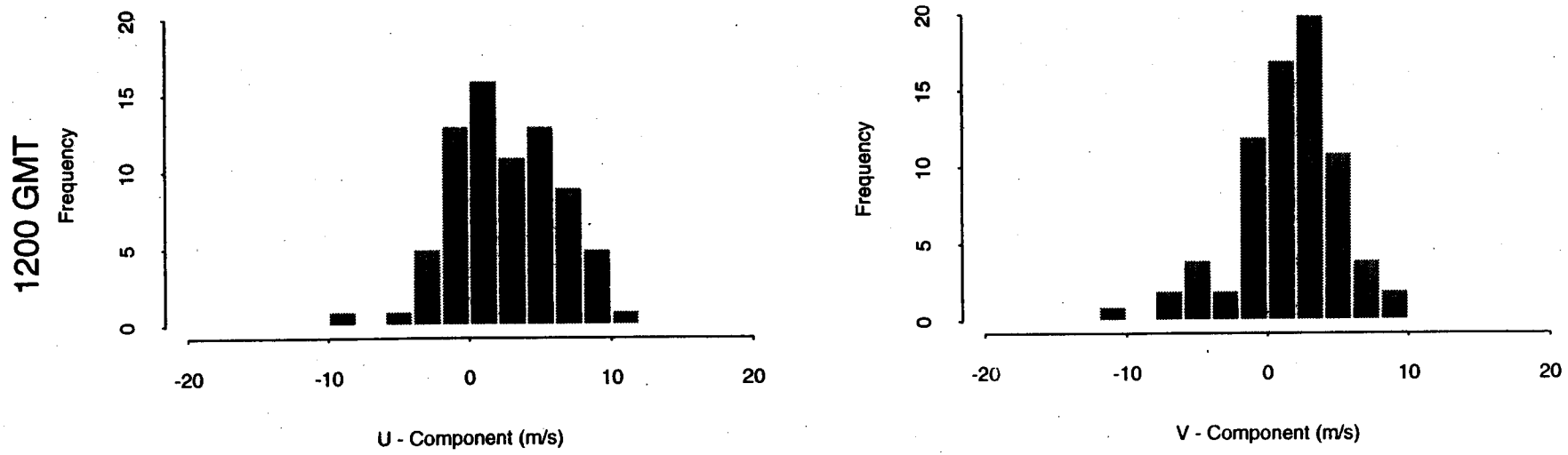


Frequency Distribution of Differences

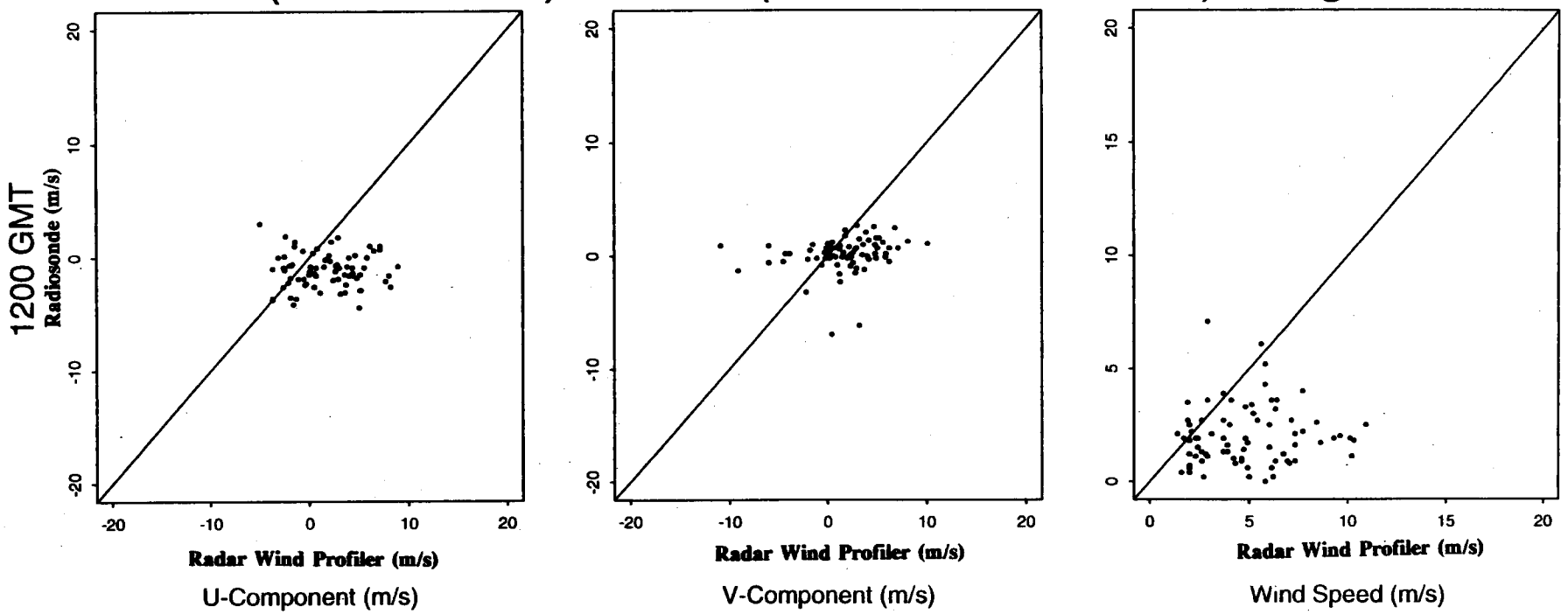
SBO (Radar Wind Profiler) - UCLA (Radiosonde), 1000M



SBO (Radar Wind Profiler) - UCLA (Radiosonde), 2000M

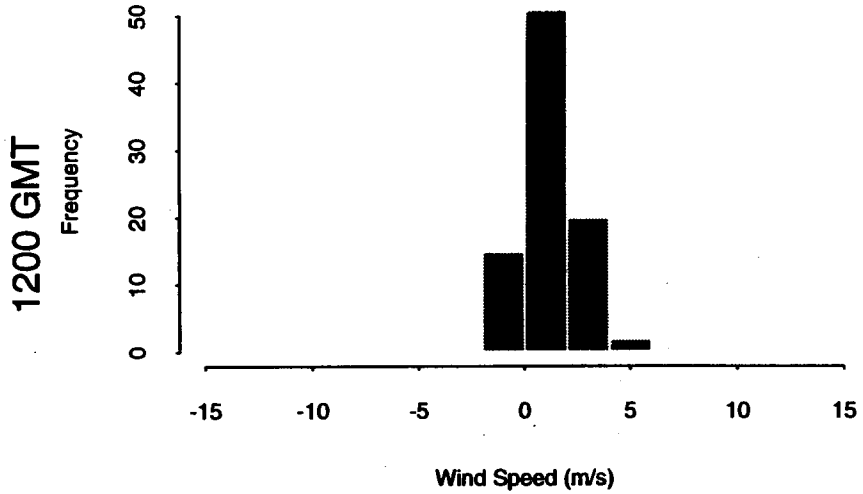


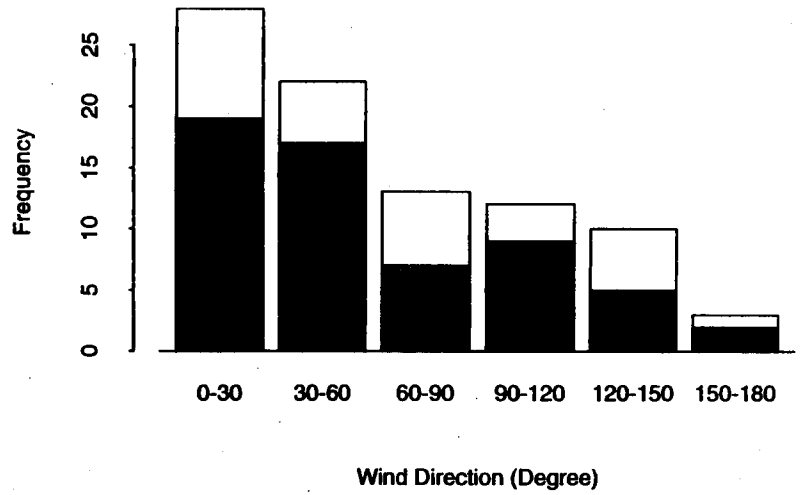
UCLA (Radiosonde) vs SBO (Radar Wind Profiler), Height=2000M



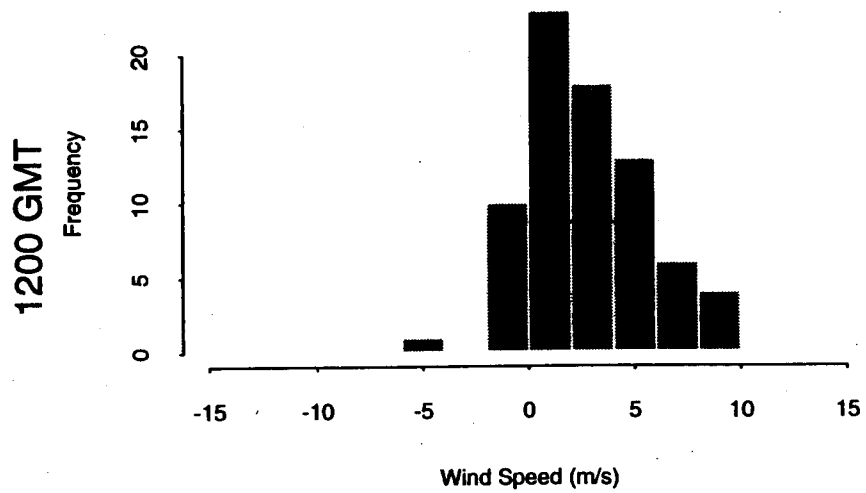
Frequency Distribution of Differences

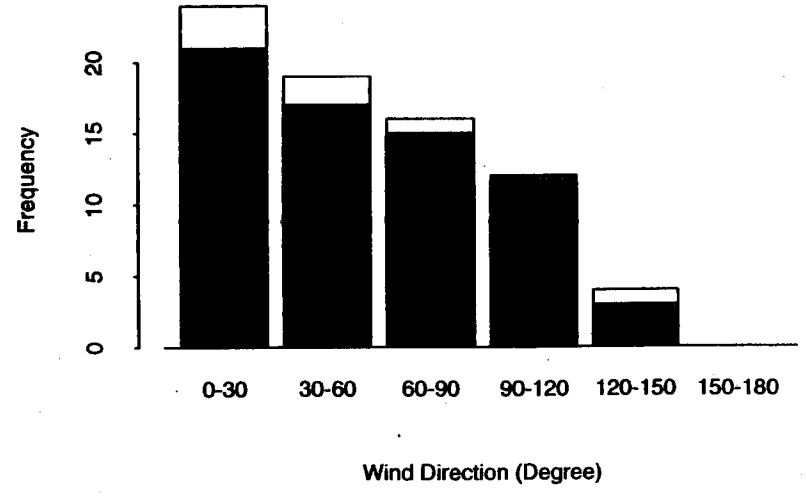
SBO (Radar Wind Profiler) - UCLA (Radiosonde), 1000M





SBO (Radar Wind Profiler) - UCLA (Radiosonde), 2000M

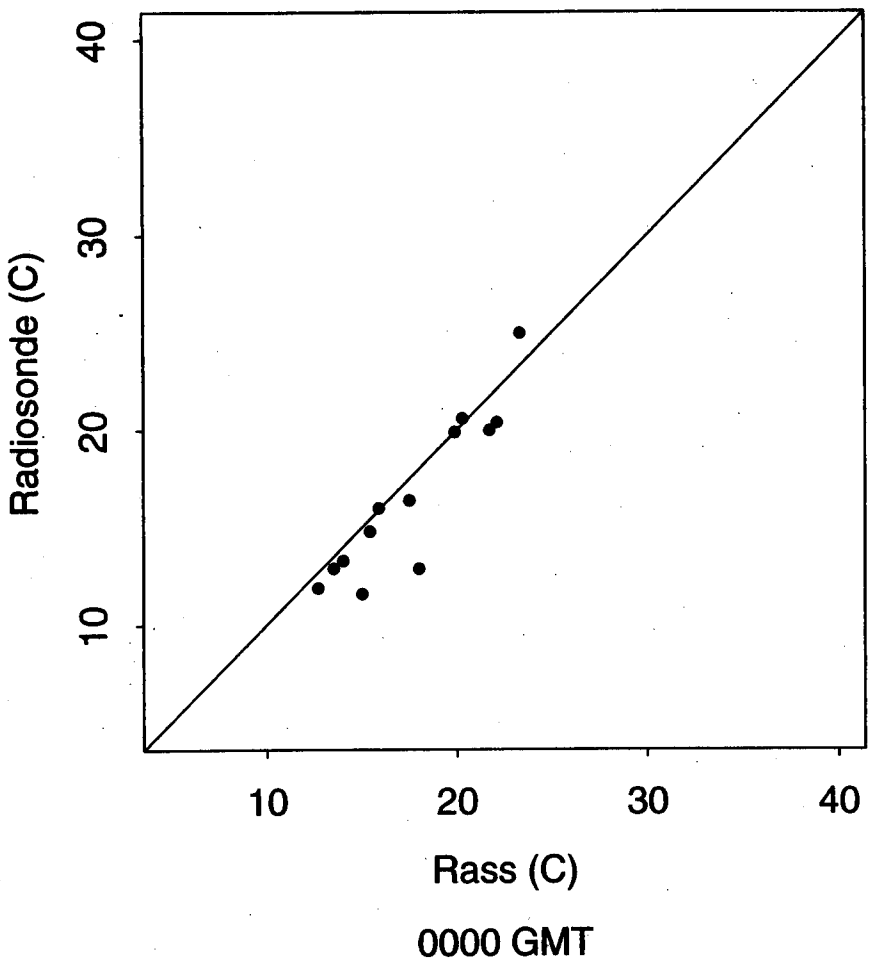


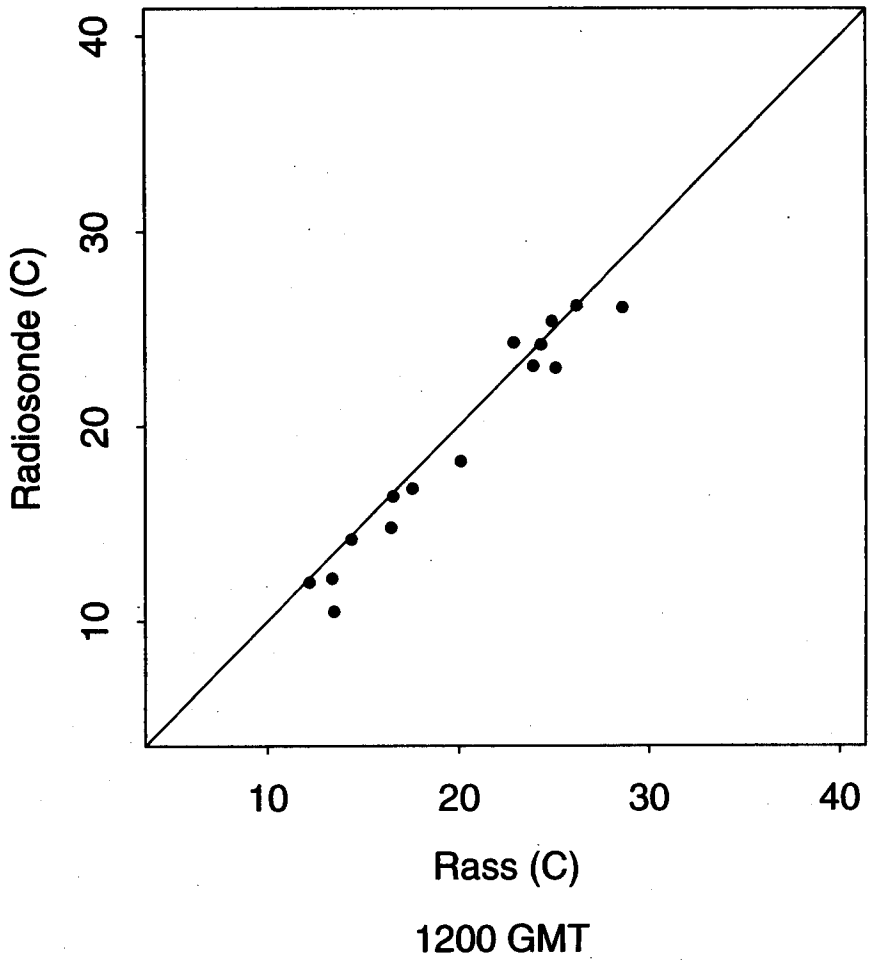


Appendix C2

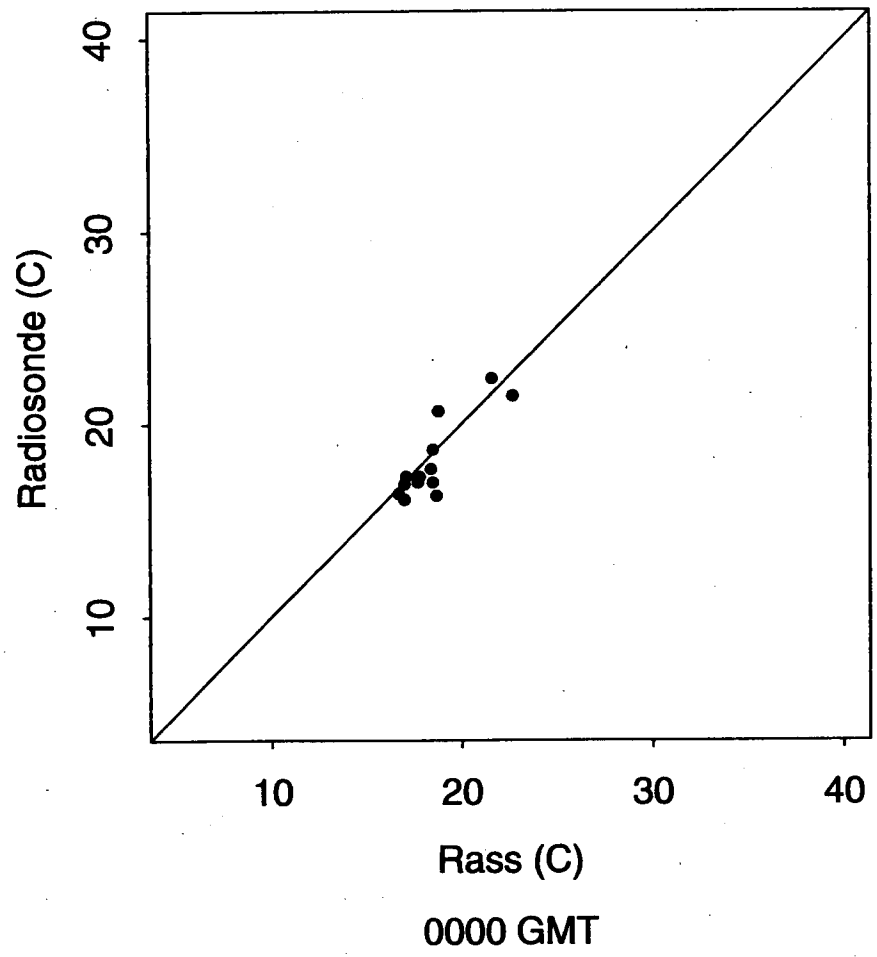
SCATTER PLOTS OF VIRTUAL TEMPERATURE FOR RASS AND RADIOSONDE SITE PAIRS AND HISTOGRAMS OF THE DIFFERENCES FOR MONITORING SITES LOCATED IN THE SOUTH COAST AIR BASIN (SOCAB)

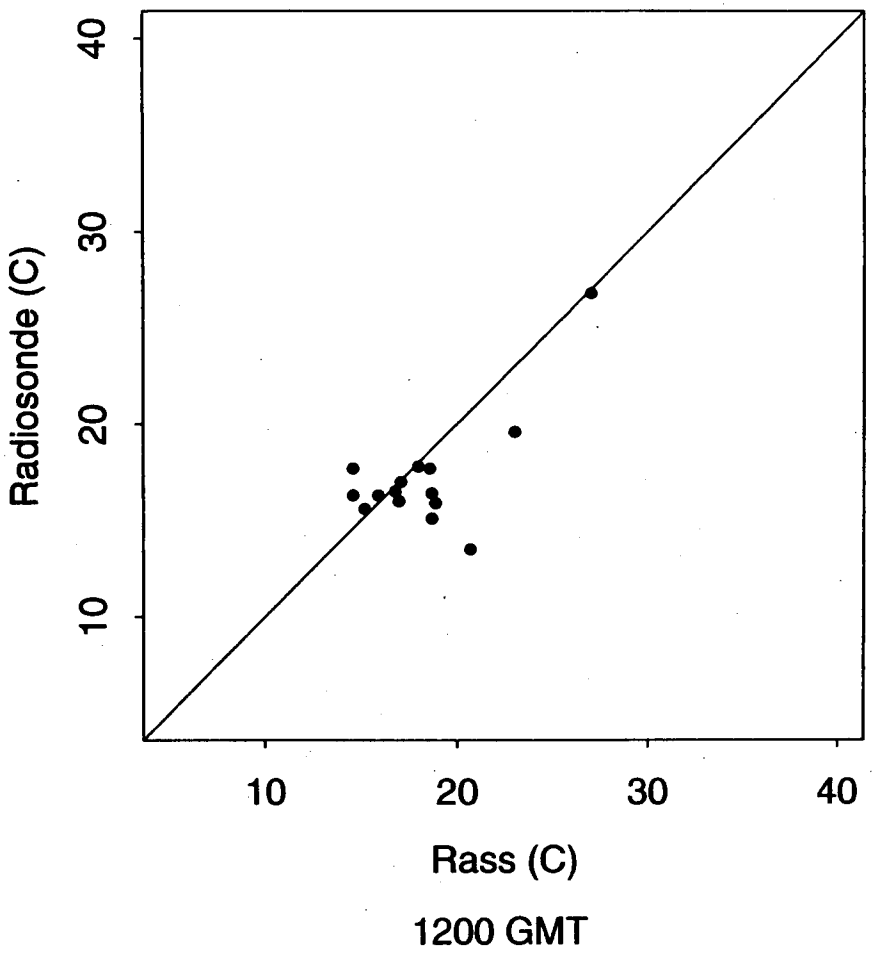
NTDR (Radiosonde) vs PTM (RASS), Height=1000M





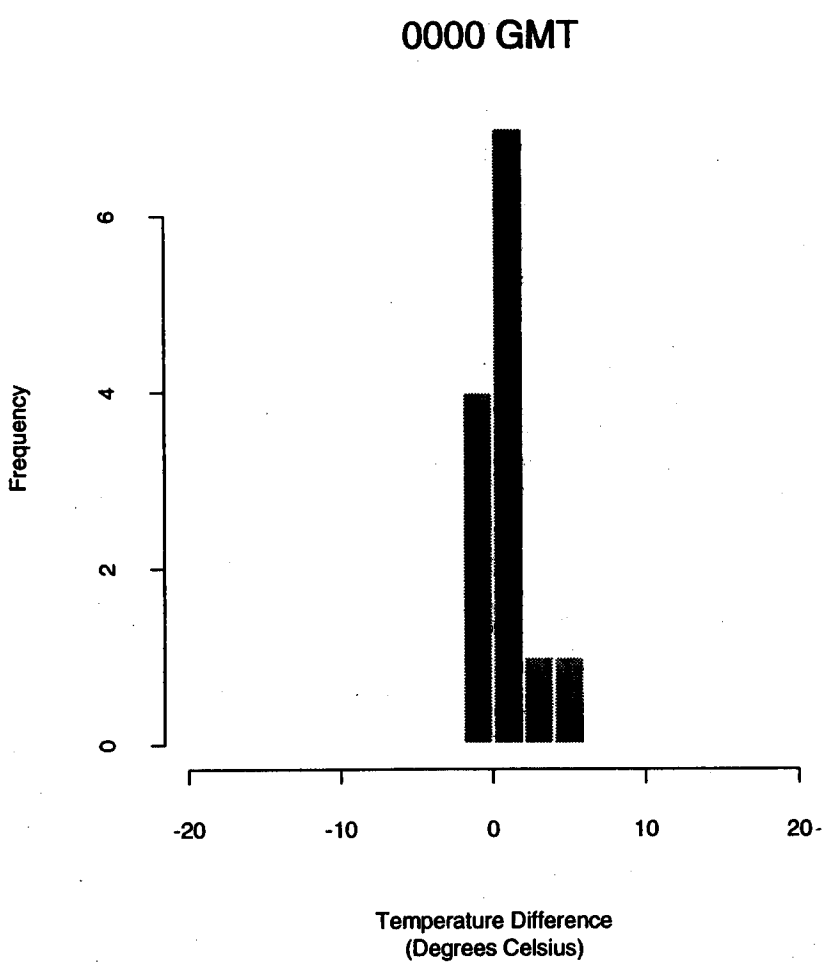
NTDR (Radiosonde) vs PTM (RASS), Height=300 M

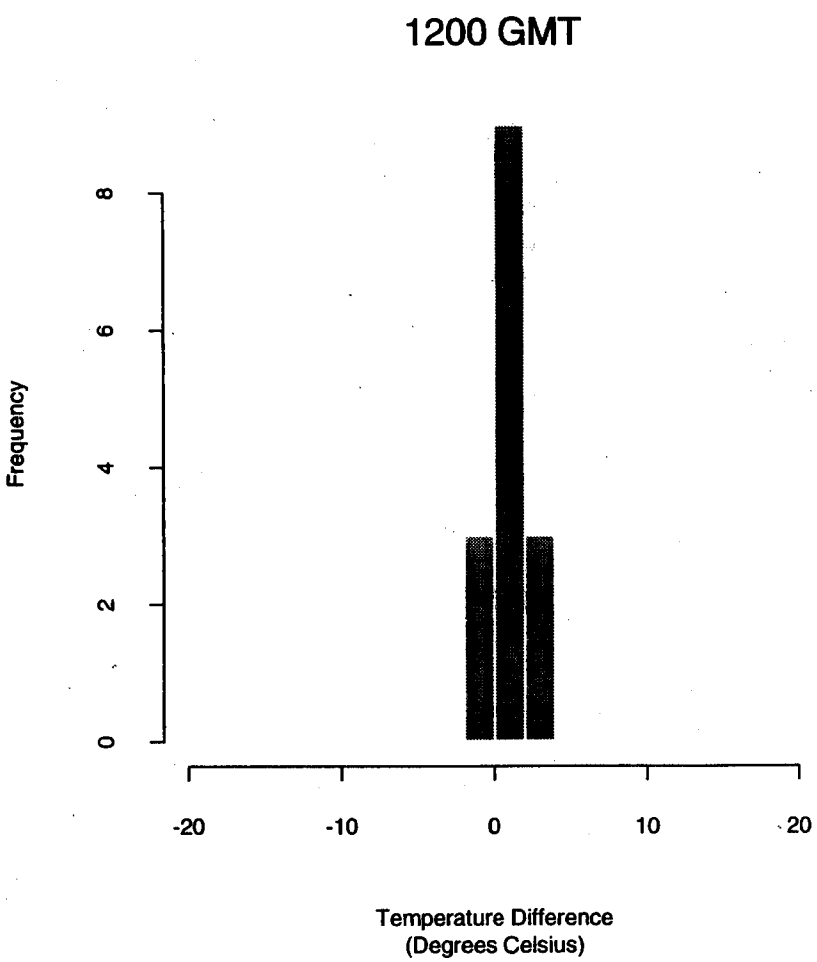




Frequency Distribution of Differences

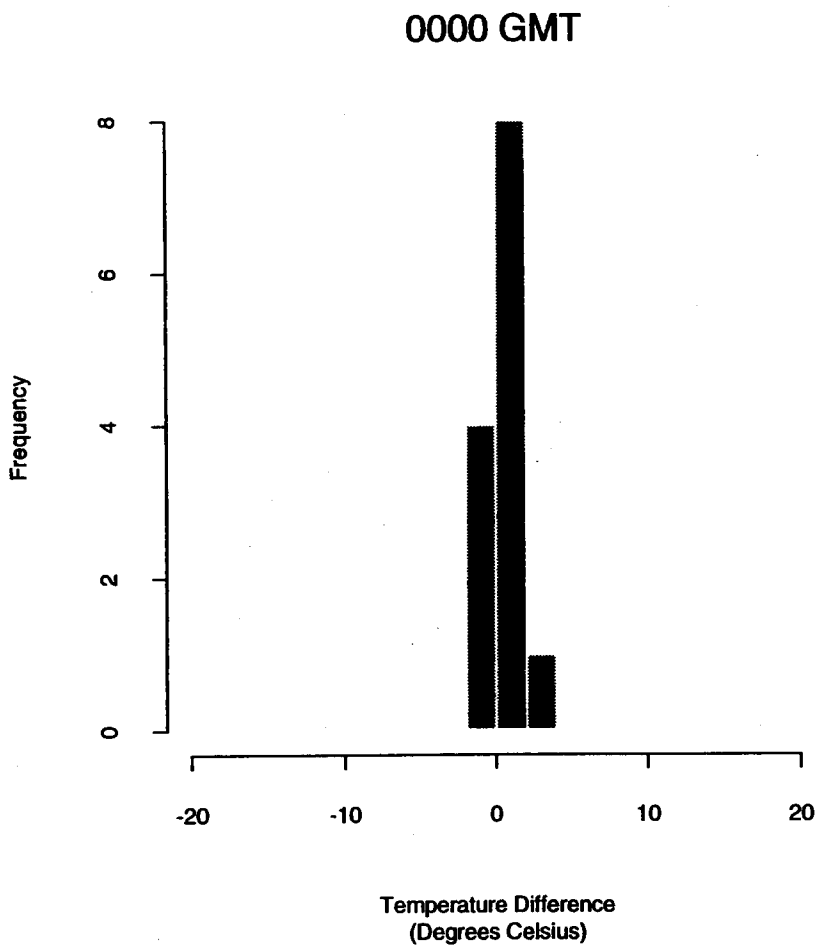
PTM(Radar Wind Profiler) - NTDR(Radiosonde), 1000M

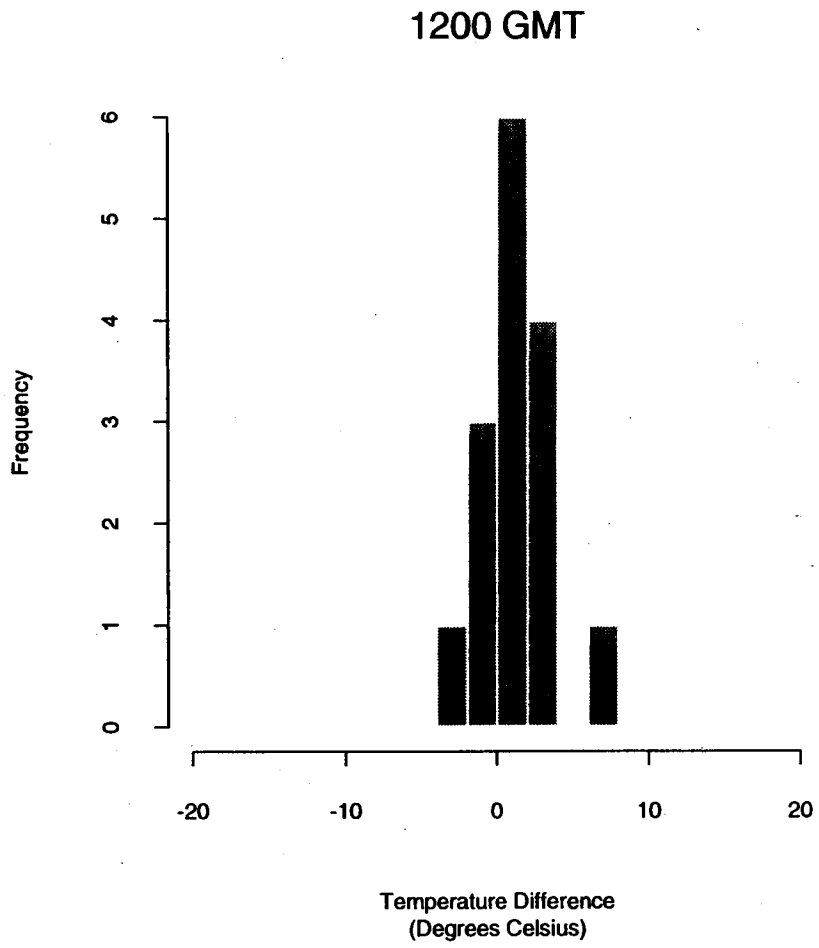




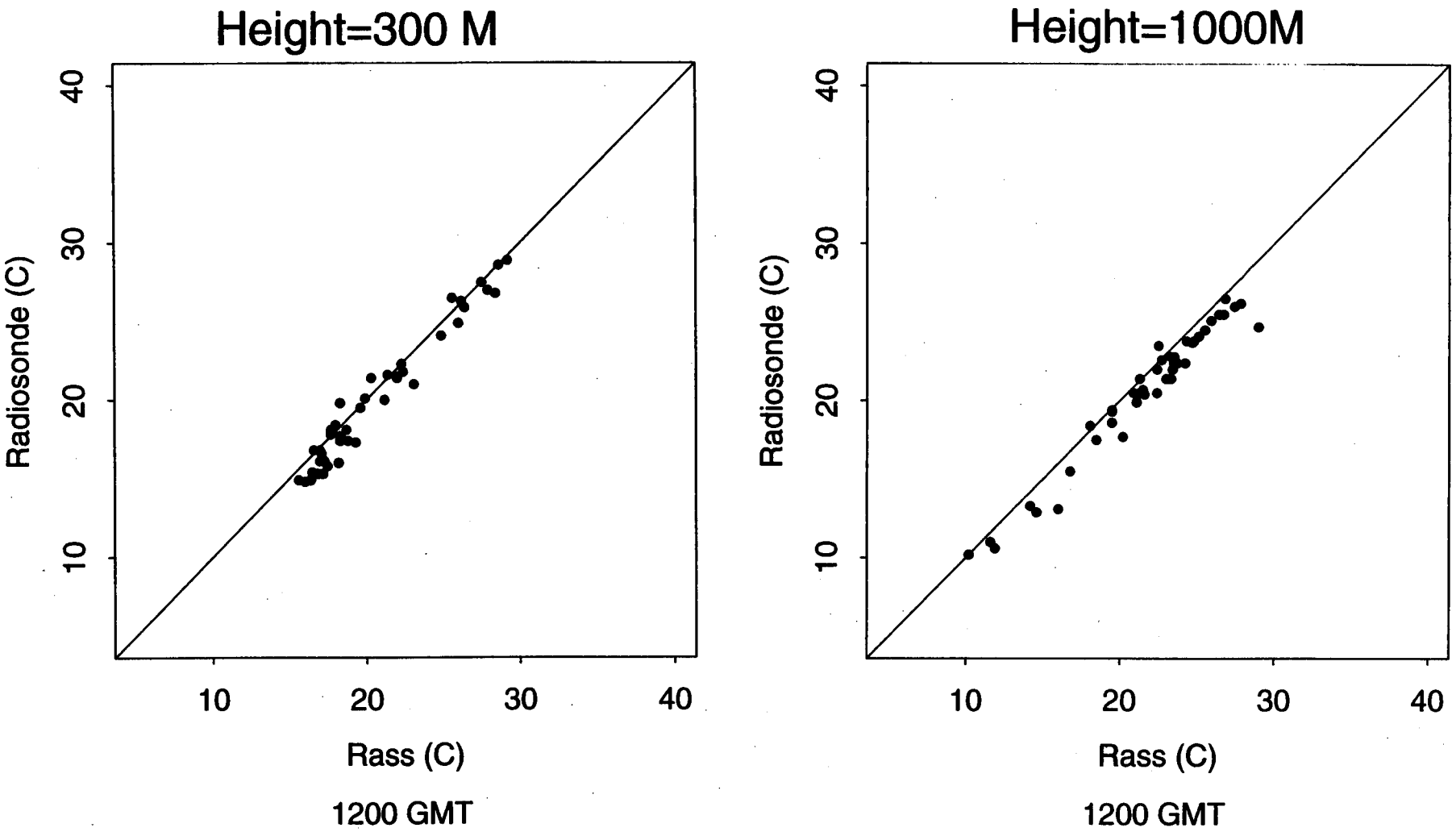
Frequency Distribution of Differences

PTM(Radar Wind Profiler) - NTDR(Radiosonde), 300M

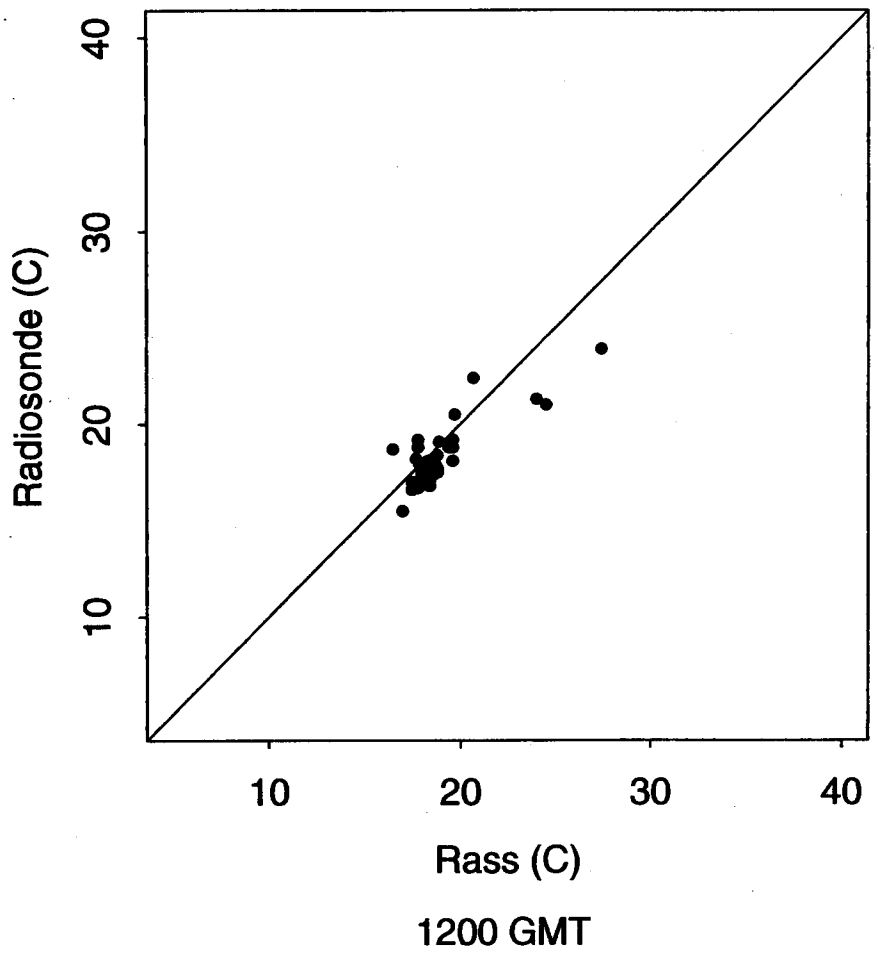




UCLA (Radiosonde) vs LAX (RASS)

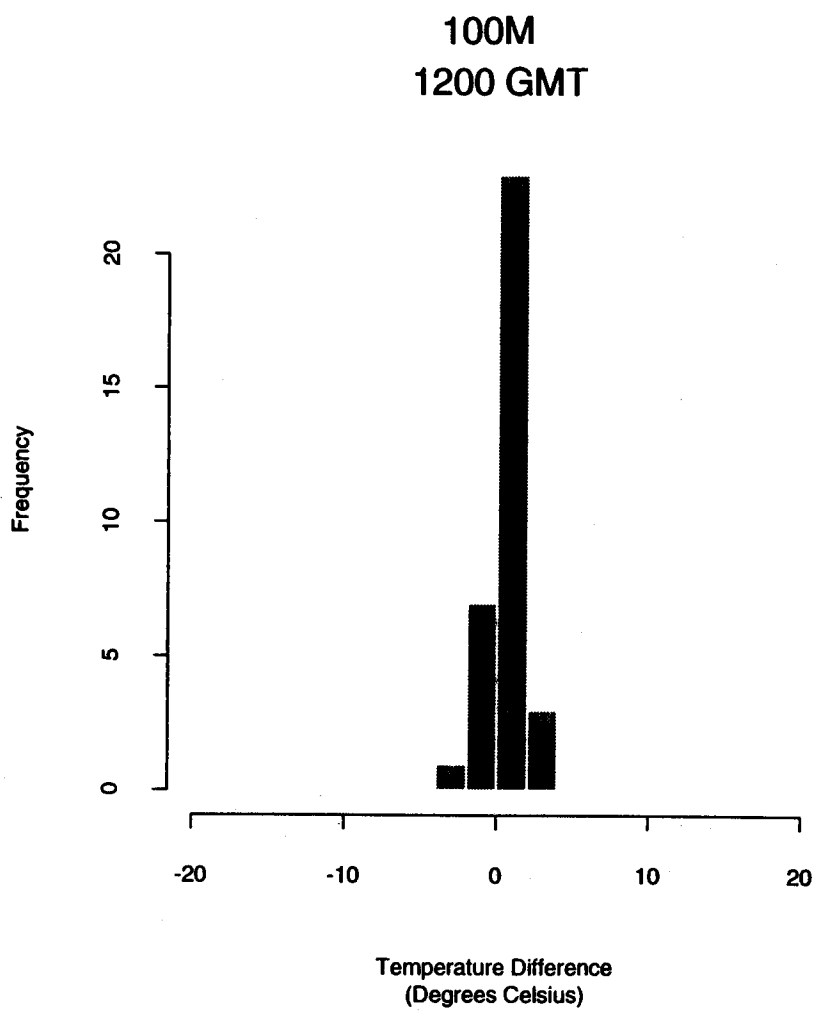


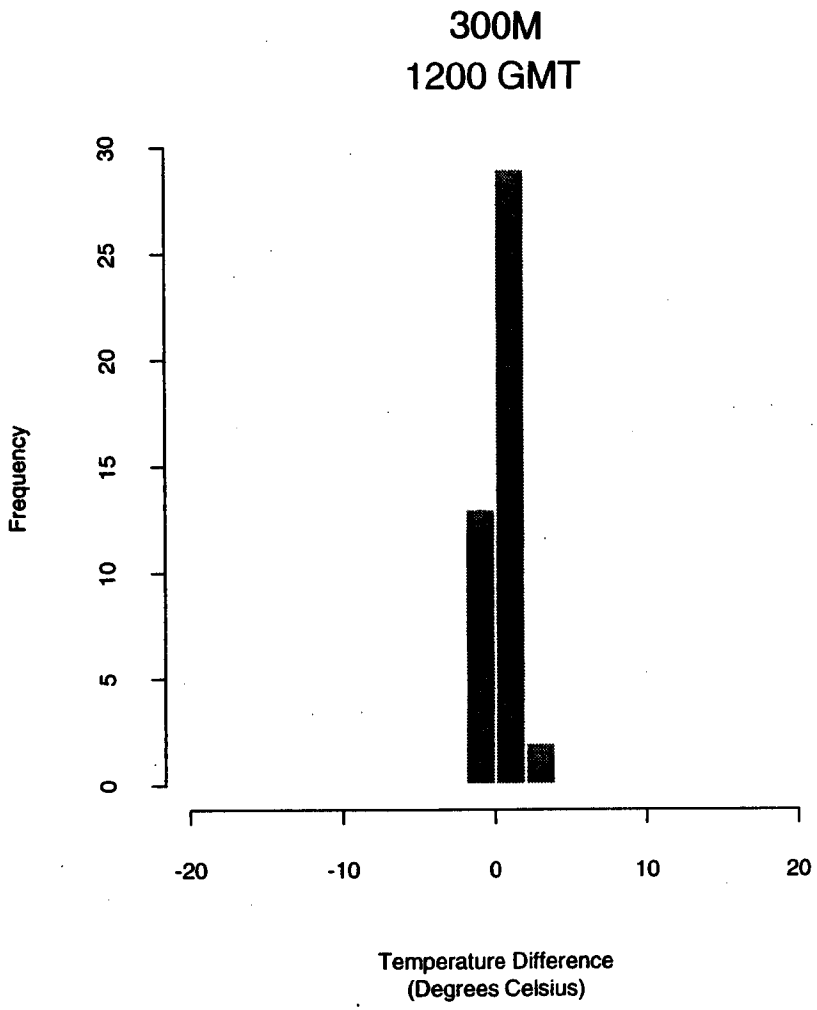
UCLA (Radiosonde) vs LAX (RASS), Height=100 M



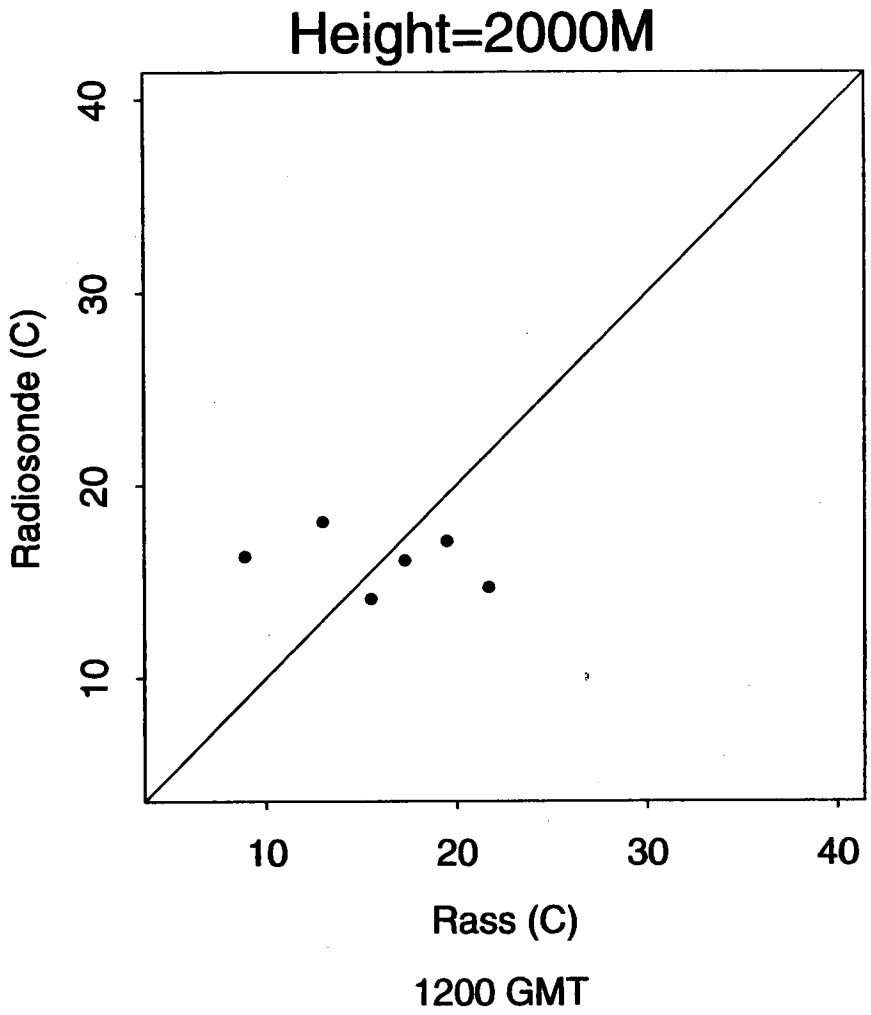
Frequency Distribution of Differences

LAX(Radar Wind Profiler) - UCLA(Radiosonde)

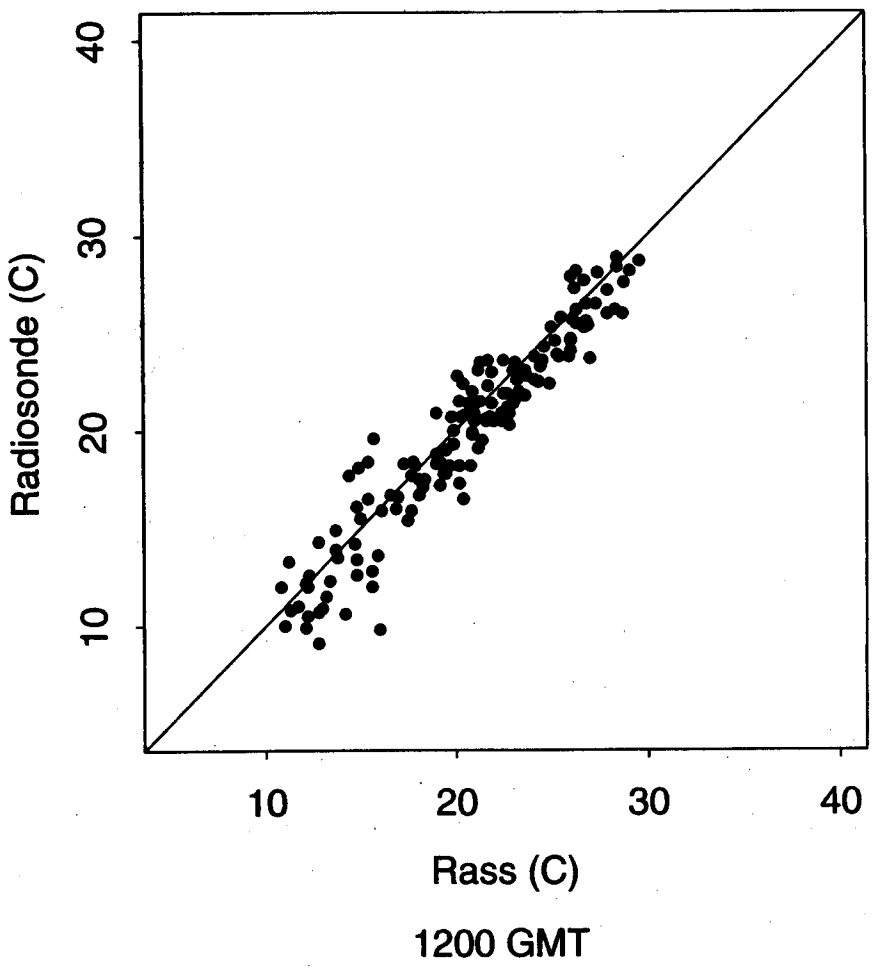




UCLA (Radiosonde) vs LAX (RASS)



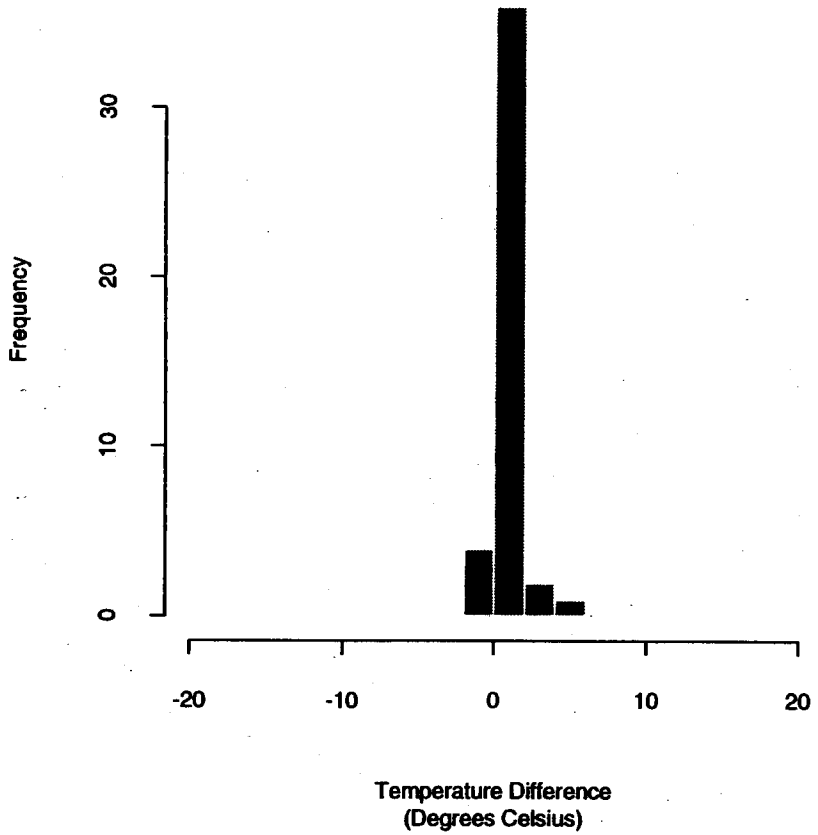
UCLA (Radiosonde) vs SBO (RASS), Height=1000M



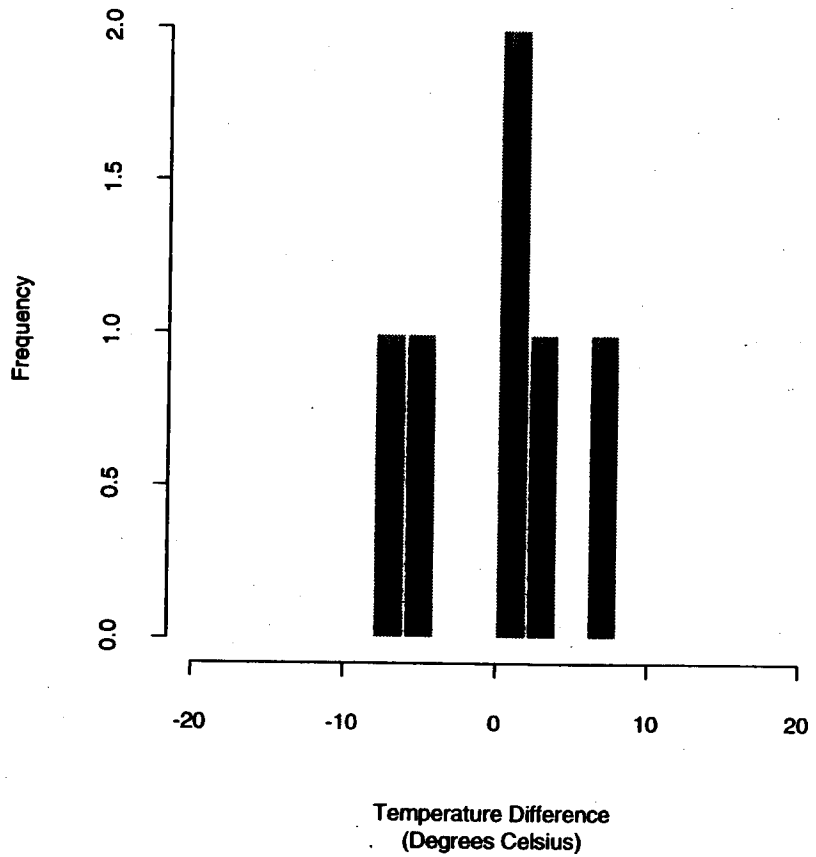
Frequency Distribution of Differences

LAX(Radar Wind Profiler) - UCLA(Radiosonde)

1000M
1200 GMT

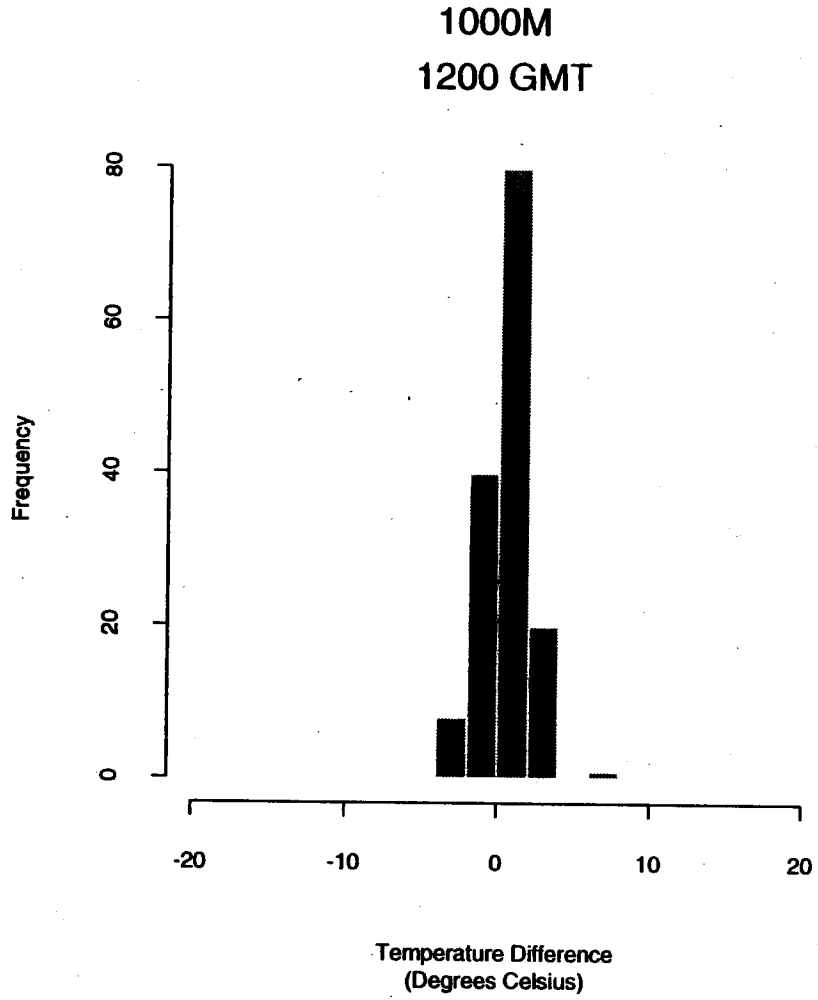


2000M
1200 GMT



Frequency Distribution of Differences

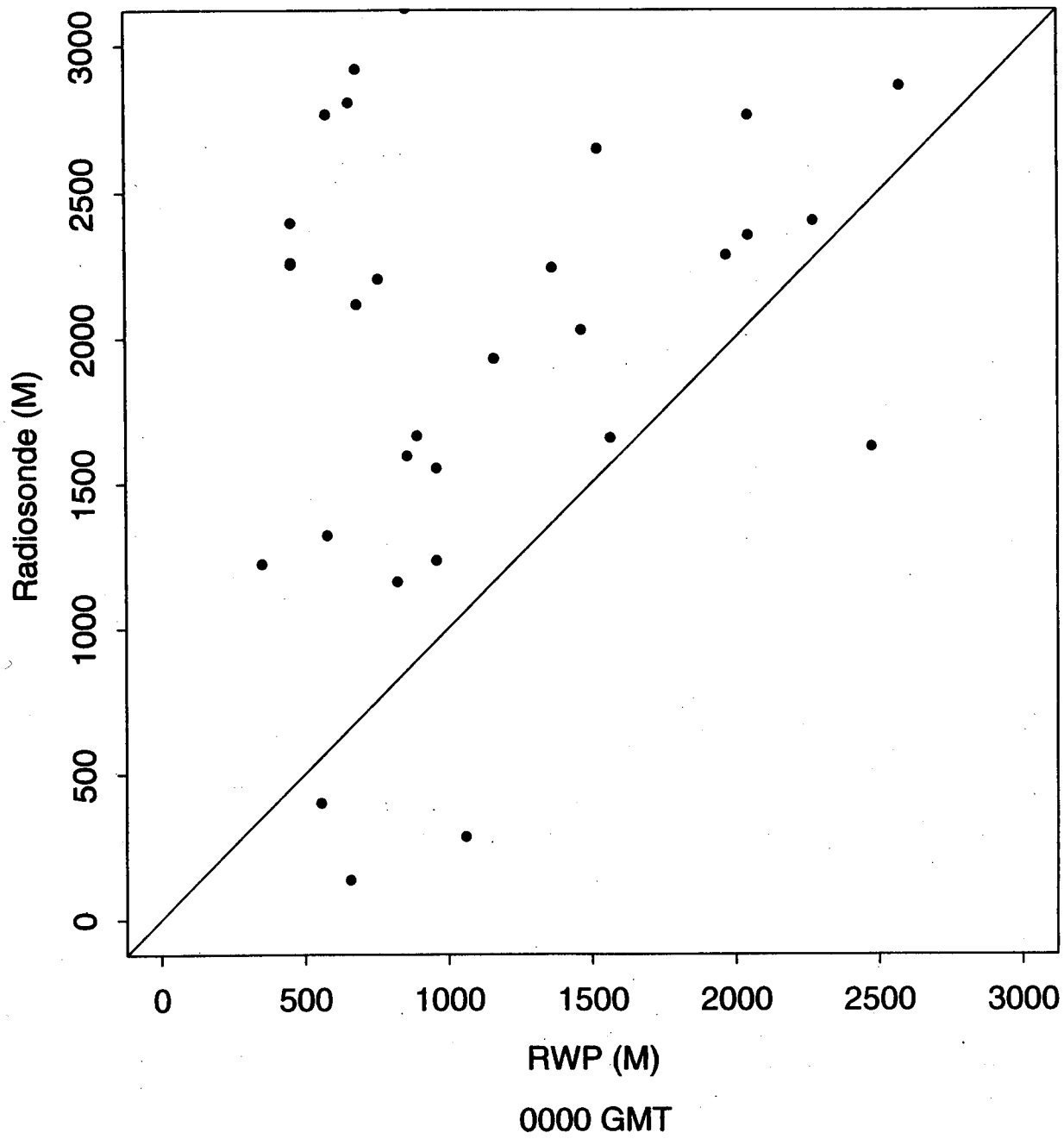
SBO(Radar Wind Profiler) - UCLA(Radiosonde)



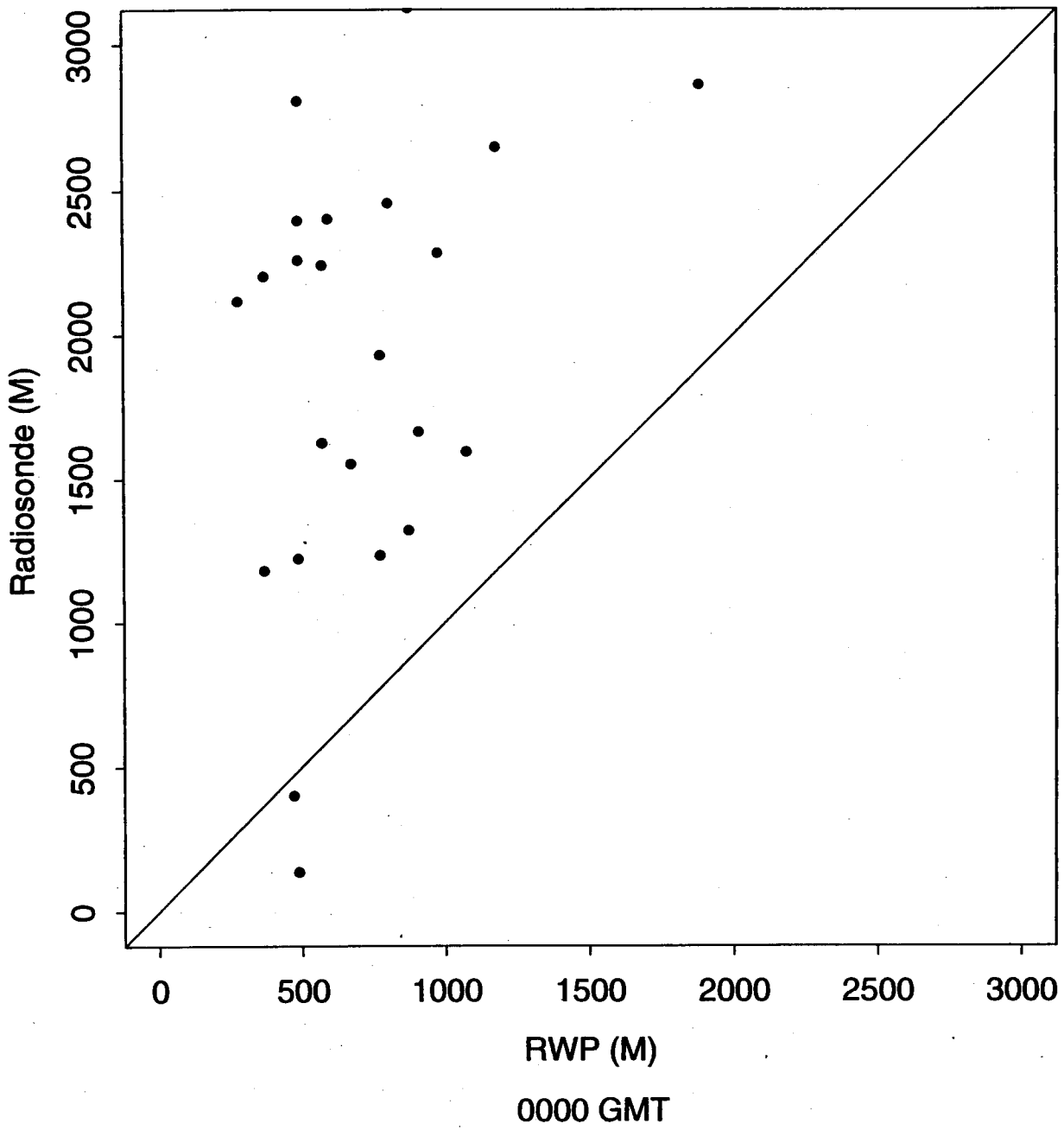
Appendix D

COMPARISON OF MIXING HEIGHTS ESTIMATED USING RADIOSONDE DATA WITH THE C_n^2 (REFRACTIVE INDEX) DERIVED VALUES

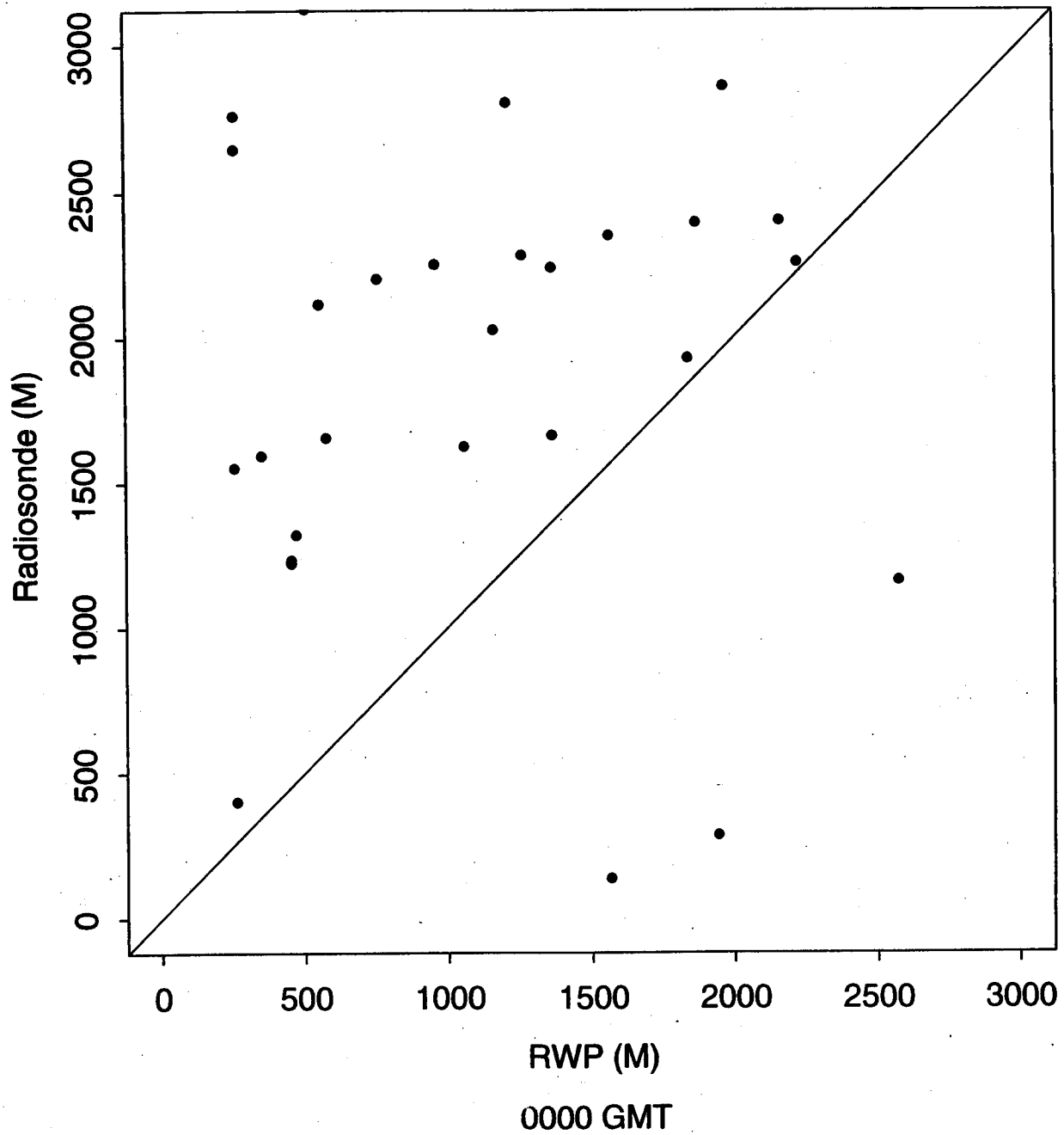
EDWR (Radiosonde) vs BAR (RWP)
Mixing Height (M)



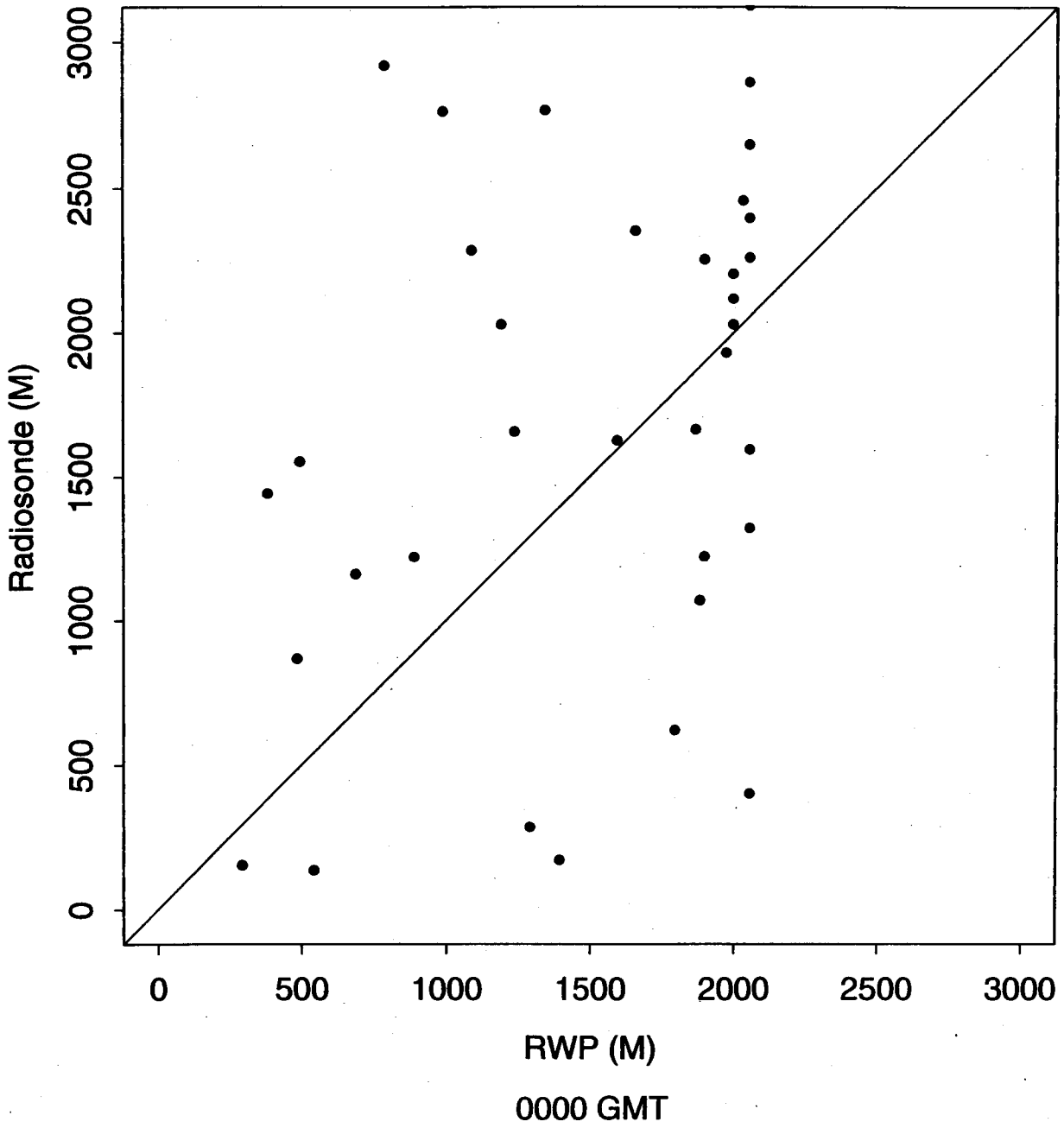
EDWR (Radiosonde) vs MOJ (RWP)
Mixing Height (M)



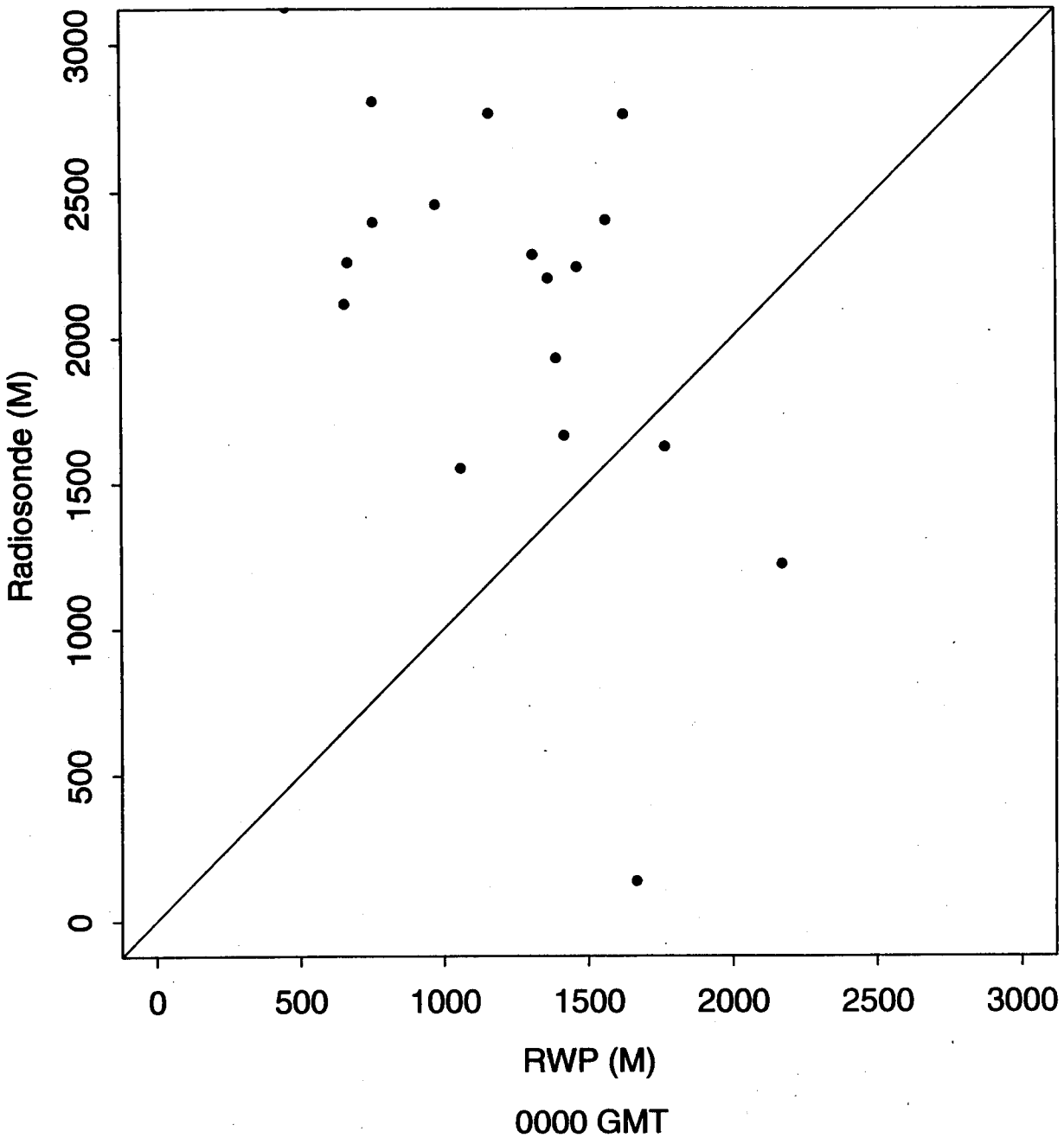
EDWR (Radiosonde) vs HES (RWP)
Mixing Height (M)



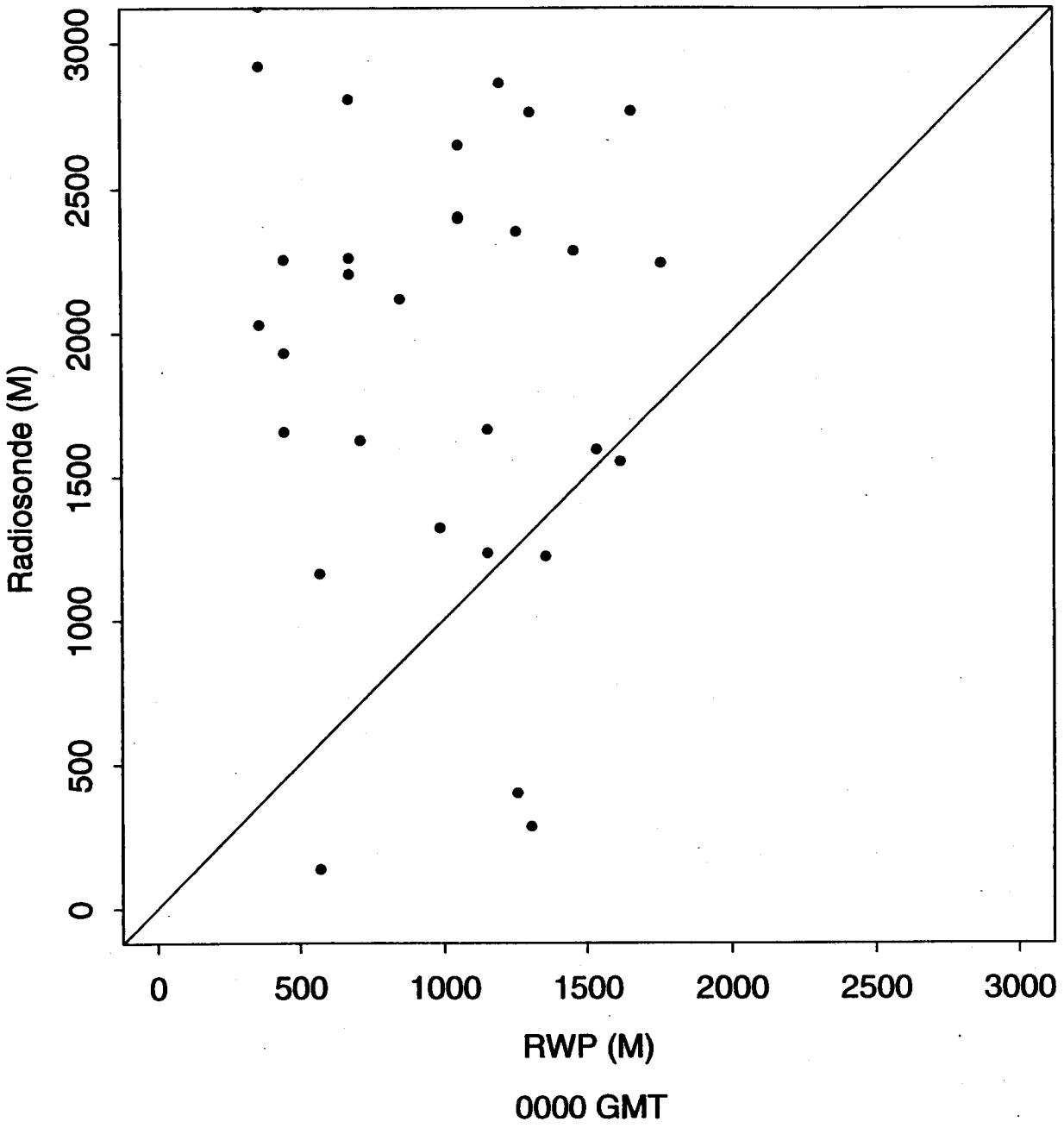
EDWR (Radiosonde) vs PAL (RWP)
Mixing Height (M)



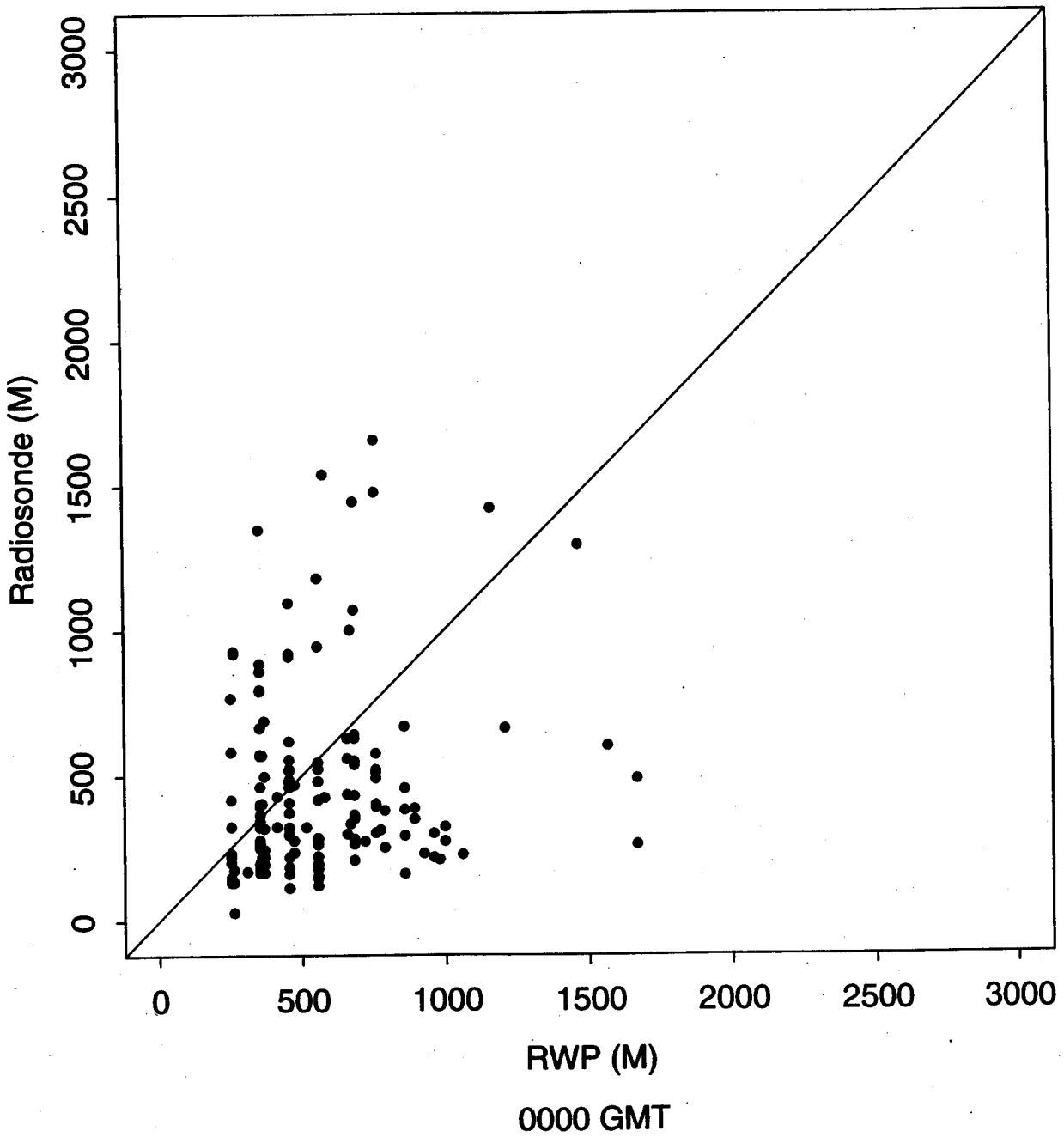
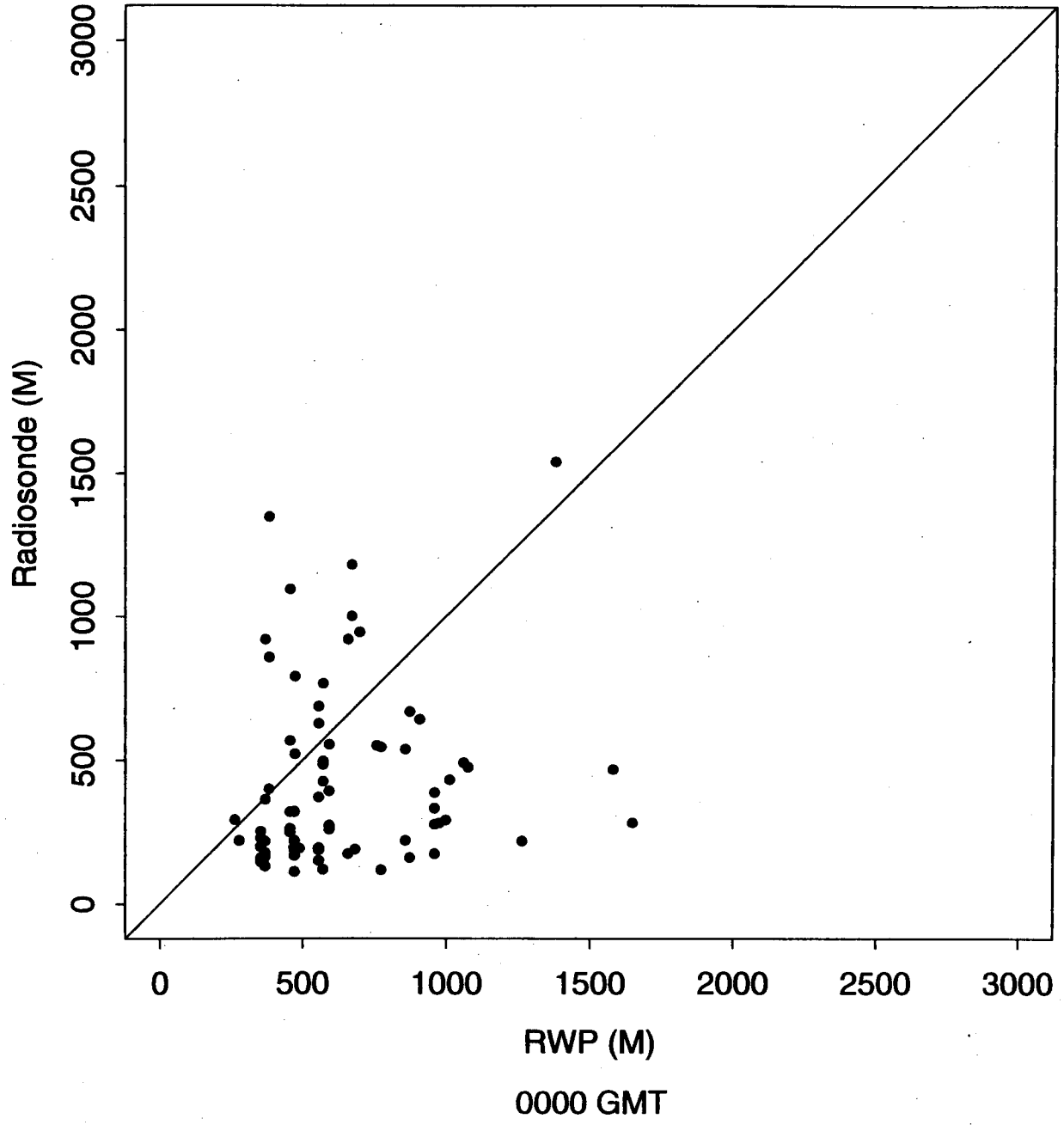
EDWR (Radiosonde) vs WWR (RWP)
Mixing Height (M)



EDWR (Radiosonde) vs BAN (RWP)
Mixing Height (M)



MYFR (Radiosonde) vs SDO (RWP)
Mixing Height (M)



MYFR (Radiosonde) vs ELC (RWP)
Mixing Height (M)