WOC Flash Flood Procedures

****indicates image combination (requires +/- toggling)**

SimApp1

250mbAnalysis

GFS 250 mb Height (dam; cyan contours)
GFS 250 mb Wind (kts; white barbs)
GFS 250 mb Wind Speed (kts; color fill)

500mbAnalysis

GFS 500 mb Height (dam; cyan contours)
GFS 500 mb Wind (kts; white barbs)
**GFS 500 mb Wind Speed (kts; color fill)
**GFS 500 mb Dew Point Depression (degC; color filled for values ≤ 6 degC)

850mbAnalysis

GFS 850 mb Height (dam; cyan contours)
GFS 850 mb Wind (kts; white barbs)
**GFS 850 mb Wind Speed (kts; color fill)
**GFS 850 mb Dew Point Temperature (degC; color filled for values ≥ 10 degC)

SurfaceAnalysis

GFS MSL Pressure (mb; coral contours)
GFS Surface Wind (kts; white barbs)
**GFS Equivalent Potential Temperature (K; color filled)
**GFS Surface Dew Point Temperature (degF; color filled for values ≥ 60 degF)

MoistureAnalysis

Top Left: GFS 850 mb Wind (kts; white barbs) GFS Surface Wind (kts; red streamlines) **GFS 850 mb Moisture Transport Magnitude (gm/kgs; image) **GFS 850 mb Equivalent Potential Temp (K; image)	**Top Right:** GFS Surface Wind (kts; red streamlines) GFS 850-300 mb Wind (kts; white barbs) **GFS 850 mb Moisture Flux Divergence (g/kg/12hr; image) **GFS 850 mb Moisture Transport Magnitude (gm/kgs; image)
Bottom Left:	**Bottom Right:** GFS 1000-500 mb Thickness (dam; cyan contours) **GFS 1000-500 mb Relative Humidity (%; color filled for > 70%) **GFS Precipitable Water (inches; color filled for > 1.00 inches)

Model 6-hr QPF with DMX CWA Outline

**GFS40 Surface 6 Hr Accum Precip Img (in; color fill)
**NAM20 Surface 6 Hr Accum Precip Img (in; color fill)

NOTE: Compared GFS40 with NAM20 due to double-contouring issue in the NAM40 product (this does not change your analyses)

Model Run Accumulation with DMX CWA Outline

**GFS40 Surface Model Run Accum Precip Img (in; color fill)
**NAM20 Surface Model Run Accum Precip Img (in; color fill)

NOTE: Compared GFS40 with NAM20 due to double-contouring issue in the NAM40 product (this does not change your analyses)

SimApp2

RainfallAnalysis_LEC

LAPS Temperature (degC)
KDMX All-Tilts Reflectivity (dBZ; image)

RainfallAnalysis_DP

Top Left: KDMX 0.5 Reflectivity (dBZ; image)	**Top Right:** KDMX 0.5 Differential Reflectivity (dB; image)
Bottom Left: KDMX 0.5 Melting Layer (green circles) **KDMX 0.5 Specific Differential Phase (deg/km; image) **KDMX 0.5 Hydrometeor Classification (image)	**Bottom Right:** KDMX 0.5 Correlation Coefficient (no units; image)

PrecipSource_Obs

METAR/Maritime/LDAD (orange observations)
**KDMX Legacy One Hour Precip – OHP (inches; image)
**KDMX Dual-Pol One Hour Accum – OHA (inches; image)

Accum_LegacyandDP

One Hour Analyses	Storm Total Analyses
Top Left: KDMX 0.5 Melting Layer (white circles) KDMX Legacy One Hour Precip – OHP (inches; image)	**Top Right:** KDMX 0.5 Melting Layer (white circles) KDMX Legacy Storm Total Precip – STP (inches, image)
Bottom Left: KDMX 0.5 Melting Layer (white circles) KDMX Dual-Pol One Hour Accum – OHA (inches; image) KDMX One Hour Difference – DOD (DP – Legacy; image)	**Bottom Right:** KDMX 0.5 Melting Layer (white circles) KDMX Dual-Pol Storm Total Accum – STA (inches; image) KDMX Storm Total Difference – DSD (DP – Legacy; image)

Hydro_Manual

KDMX Dual-Pol One Hour Accum – OHA (inches; image)
KDMX Legacy One Hour Precip – OHP (inches; image)
RFC One Hour FFG (inches; image)

Hydro_FFMP

KDMX Dual-Pol Instantaneous Precip Rate – DPR (in/hr; image)
FFMP KDMX Table Display (loaded with Legacy DHR; image)