

# Storm Chasing



Paul Botten  
Storm Chaser



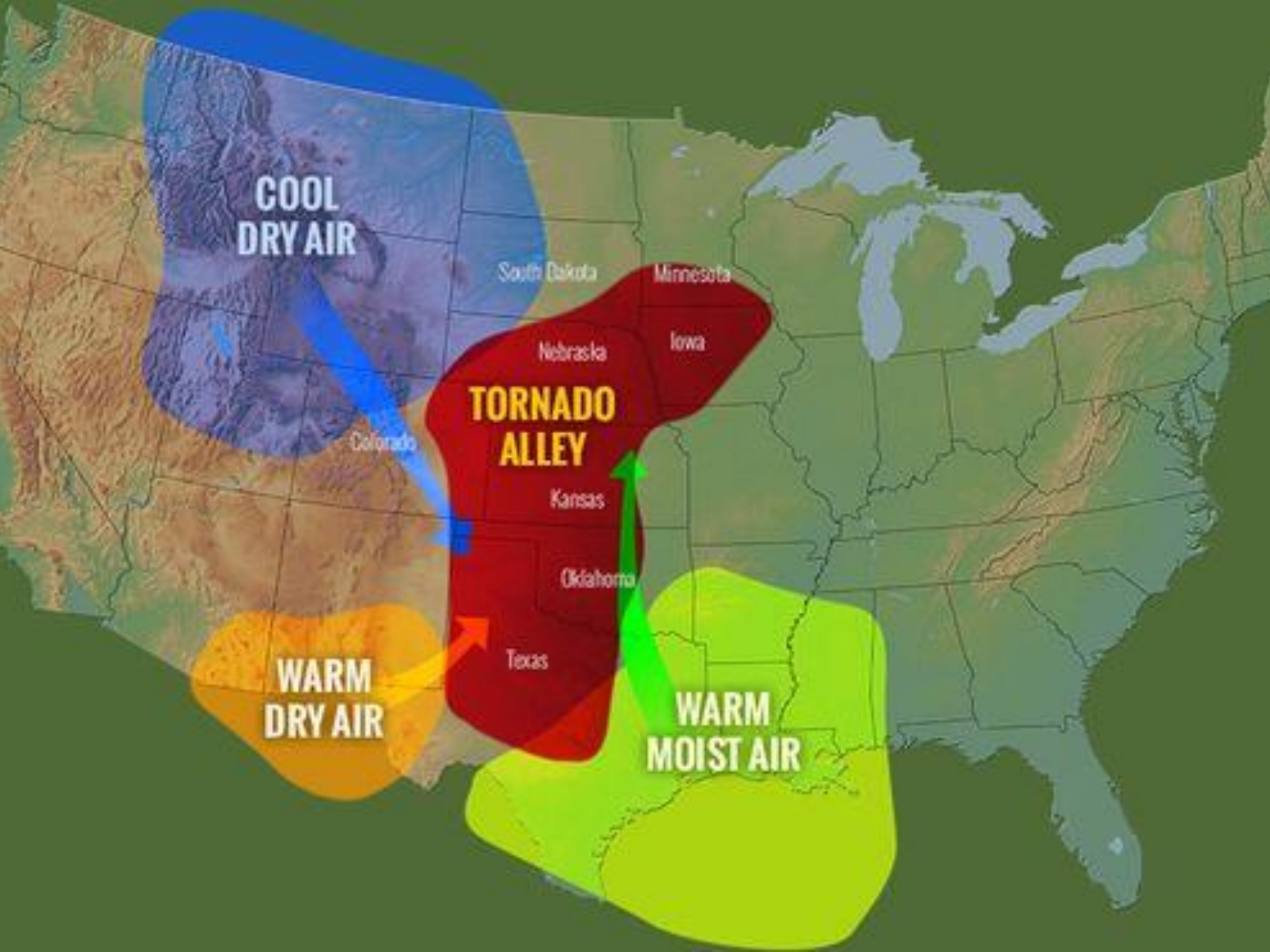
John Finney  
Weather Photographer

# In the beginning..

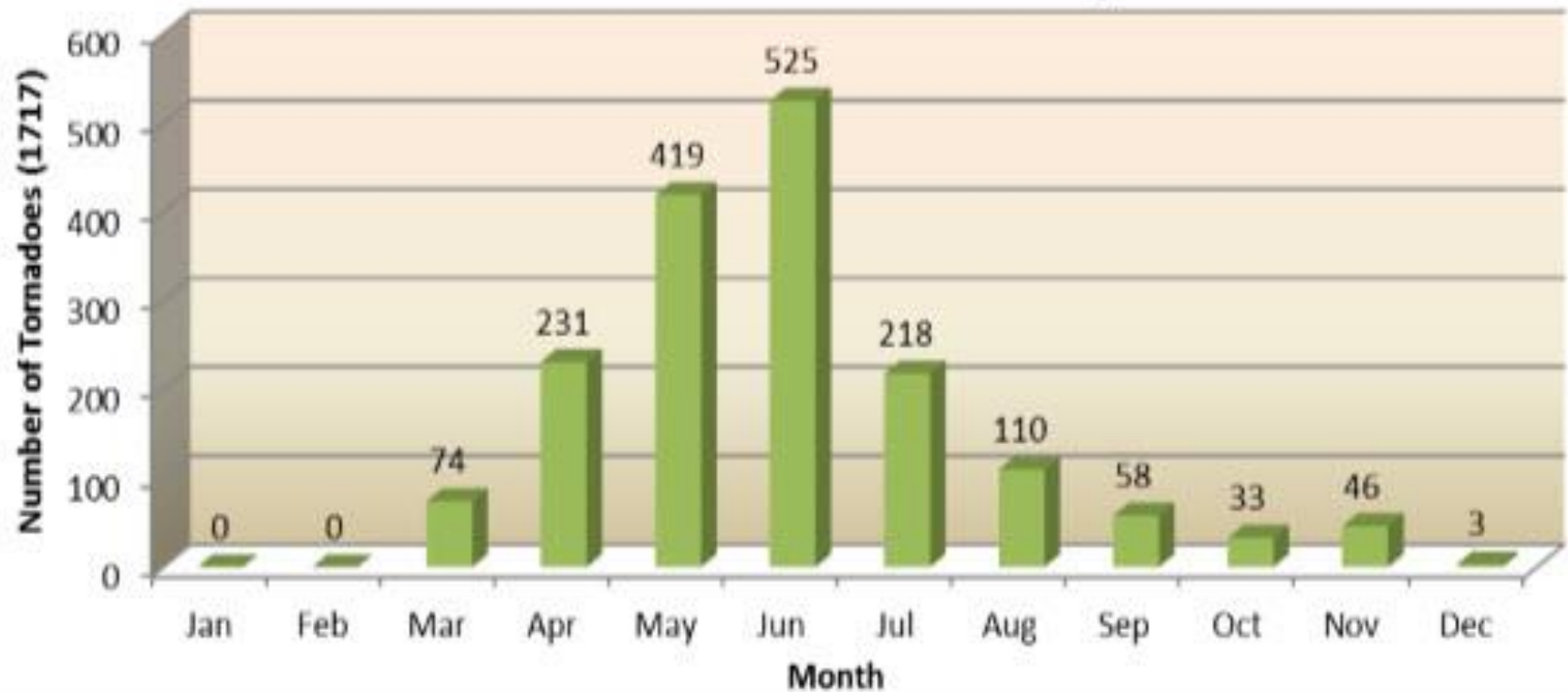
- What is Storm Chasing

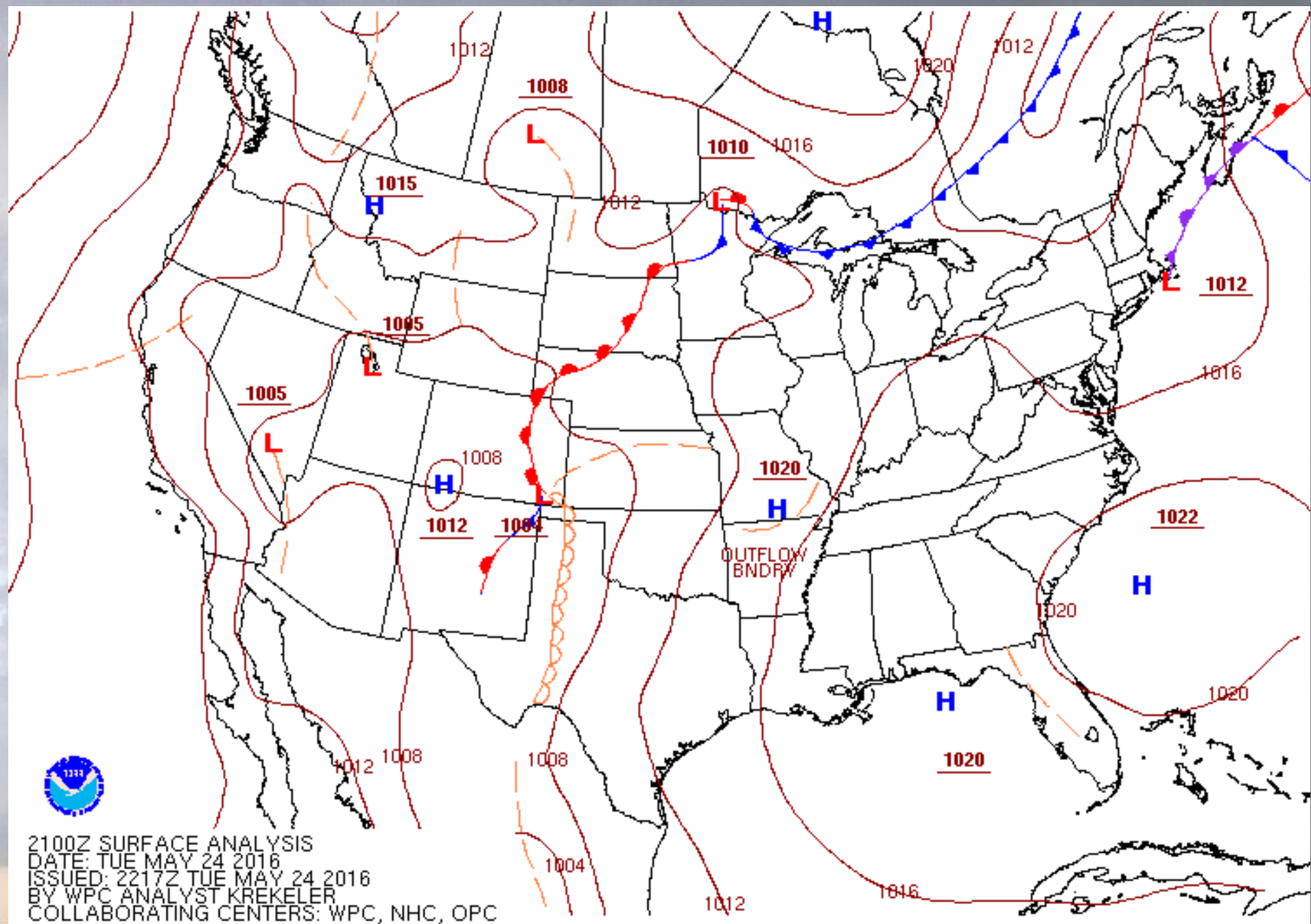






## 1980 - 2016 Tornadoes by Month





2100Z SURFACE ANALYSIS  
DATE: TUE MAY 24 2016  
ISSUED: 2217Z TUE MAY 24 2016  
BY WPC ANALYST KREKELER  
COLLABORATING CENTERS: WPC, NHC, OPC





# Low Precipitation Supercell Broken Bow, 26<sup>th</sup> May 2013



# High Precipitation Supercell

## Calhan 6th June 2012





# Classic Supercell

## Henrietta, 8<sup>th</sup> May 2014









# In the beginning..

- What is Storm Chasing
- How I got into Storm Chasing



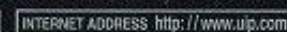
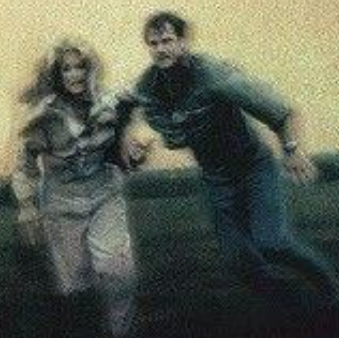


From the Producers of "JURASSIC PARK" and the Director of "SPEED"

Don't breathe. Don't look back.

# TWISTER

The Dark Side of Nature.



UNIVERSAL PICTURES and WARNER BROS. Present to AMBLIN ENTERTAINMENT Produced by JAN DE BONT Film

HELEN HUNT BILL PAXTON "TWISTER" JAMI GERTZ and CARY ELWES The Color MICHAEL KAHN, U.F. Executive Producer JOSEPH NEMEC III Director of Photography JACK N. GREEN, A.S.C.

Edited by MARK MANCINA Executive Producer STEVEN SPIELBERG, WALTER PARKES, LAURIE McDONALD and GERALD R. MOLEN Written by MICHAEL CRICHTON & ANNE-MARIE MARTIN

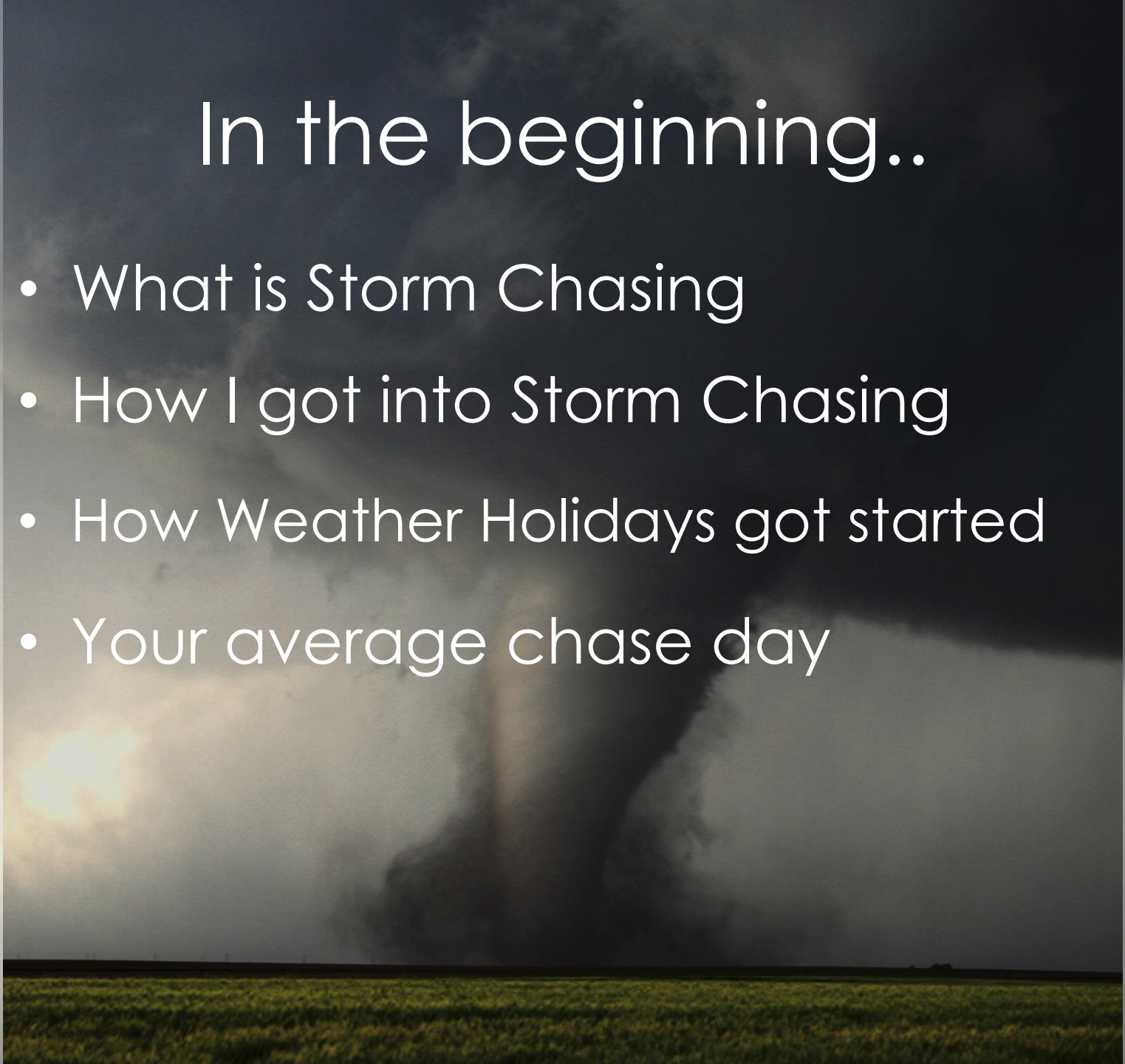
Produced by KATHLEEN KENNEDY, IAN BRYCE and MICHAEL CRICHTON Directed by JAN DE BONT

©1996 Warner Bros. and Universal Pictures. All Rights Reserved.



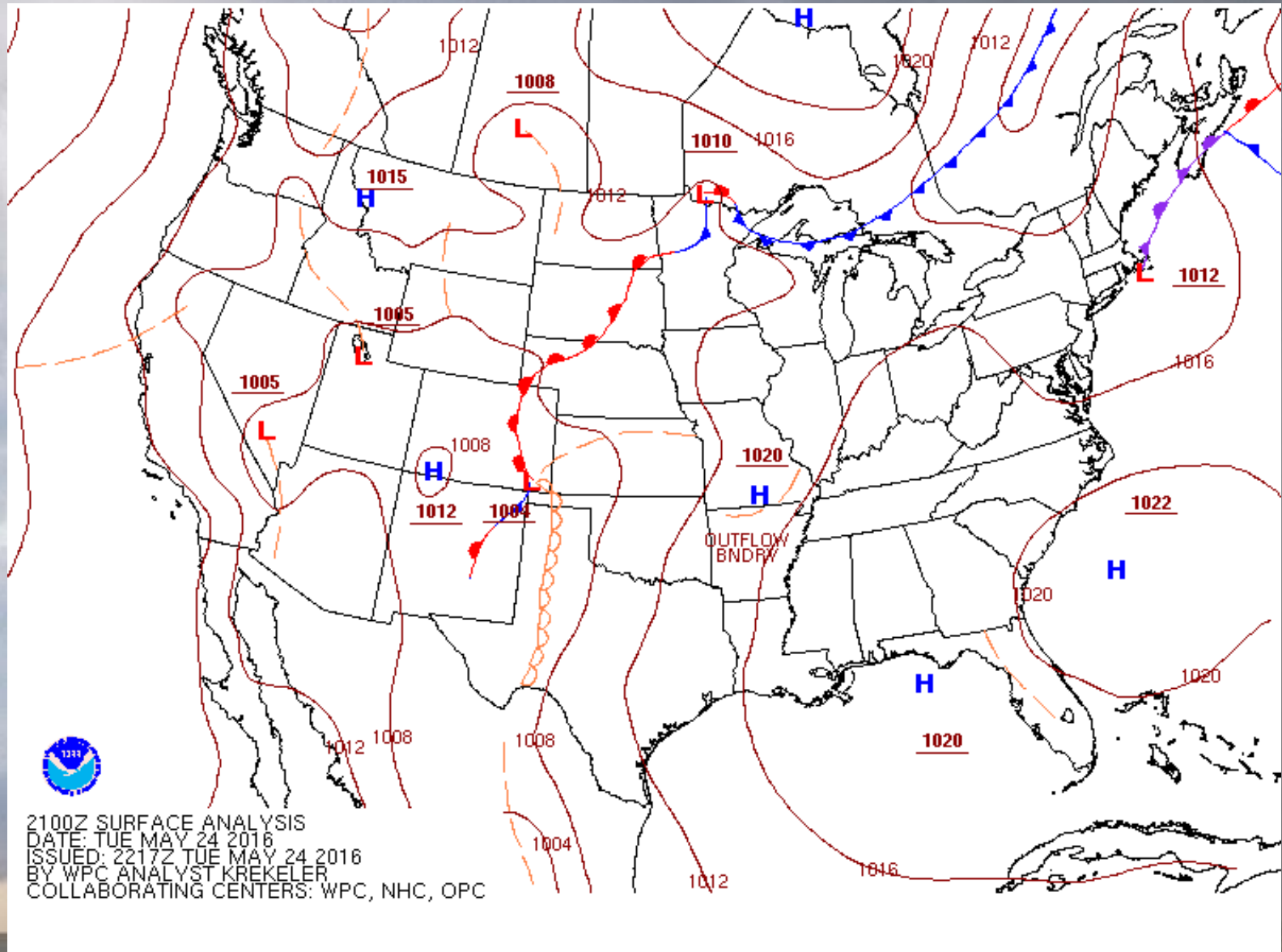
# In the beginning..

- What is Storm Chasing
- How I got into Storm Chasing
- How Weather Holidays got started
- Your average chase day





# How I choose a chase target...



How I choose a chase target...



Wynewood



How I choose a chase target...



Simla



How I choose a chase target...



Chapman

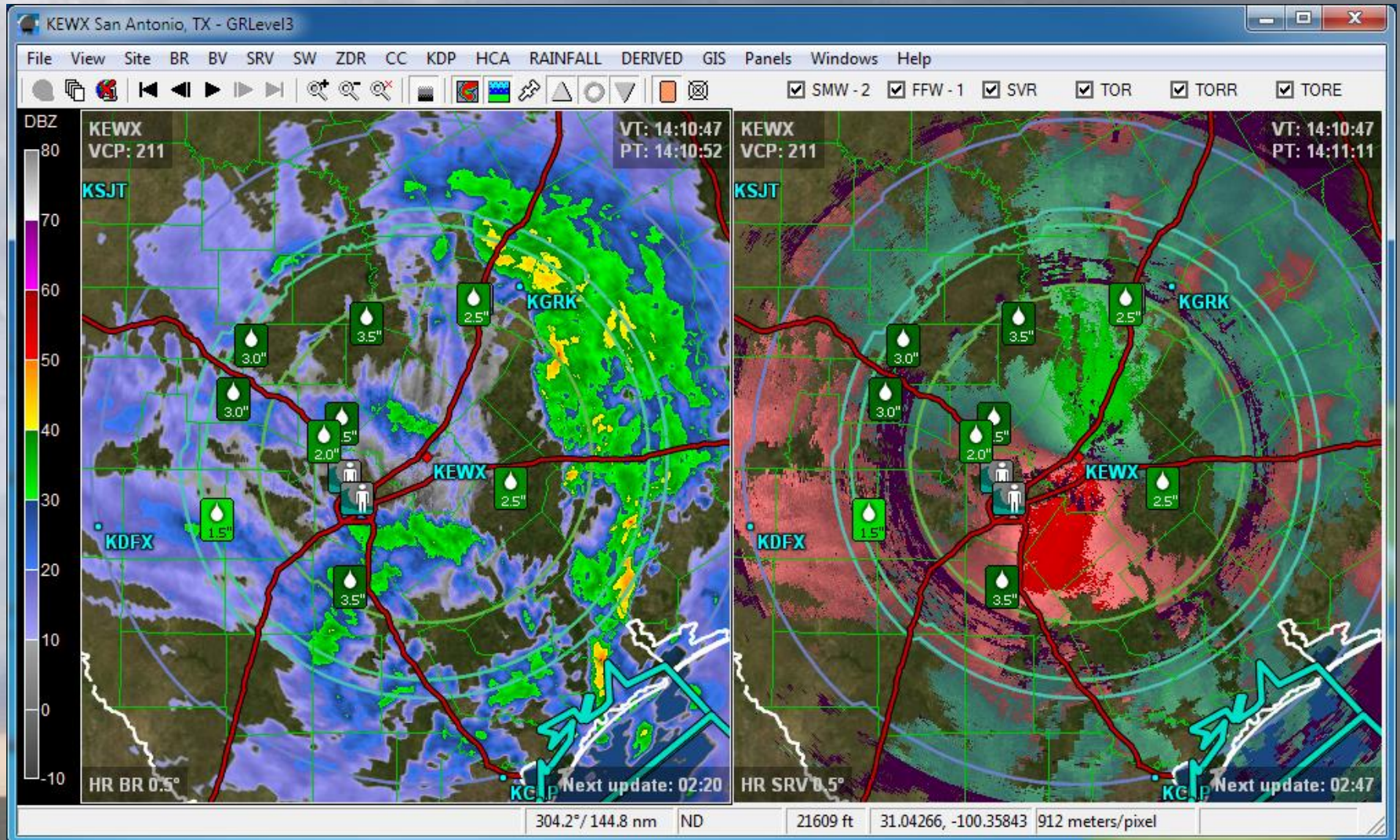
# The tools of the trade...Charts

- C.O.D College Du Page  
<http://www.cod.edu/>
- SPC Storm Prediction Centre  
<https://www.spc.noaa.gov/>
- Pivotal Weather (charts)  
<http://www.pivotalweather.com/>



# The tools of the trade... Radar

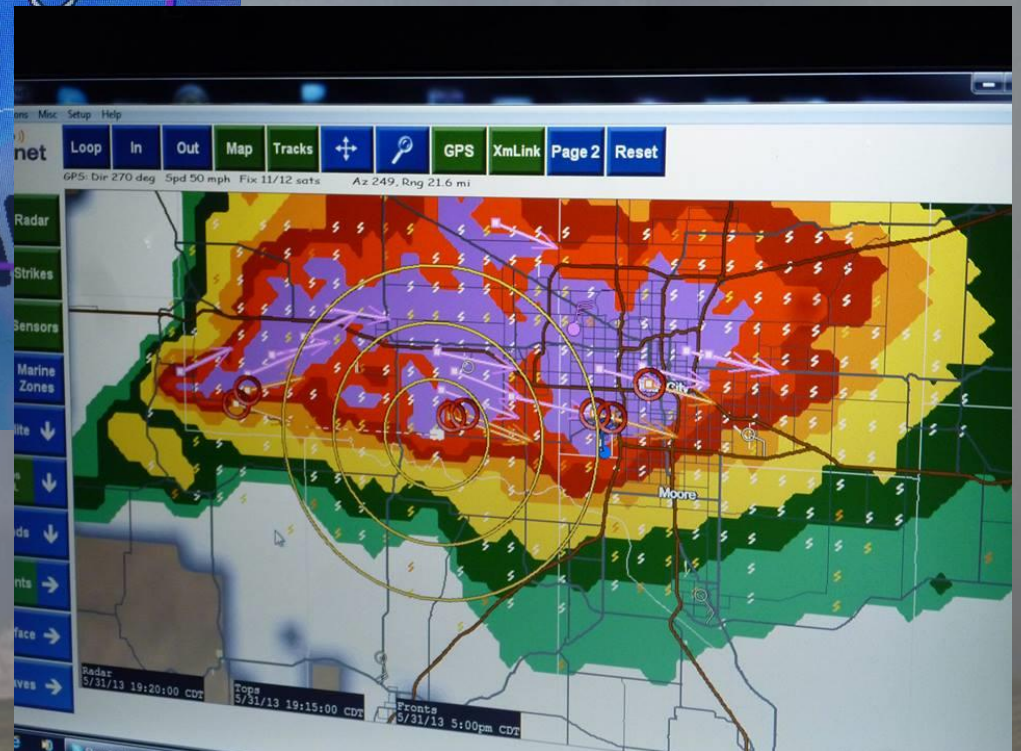
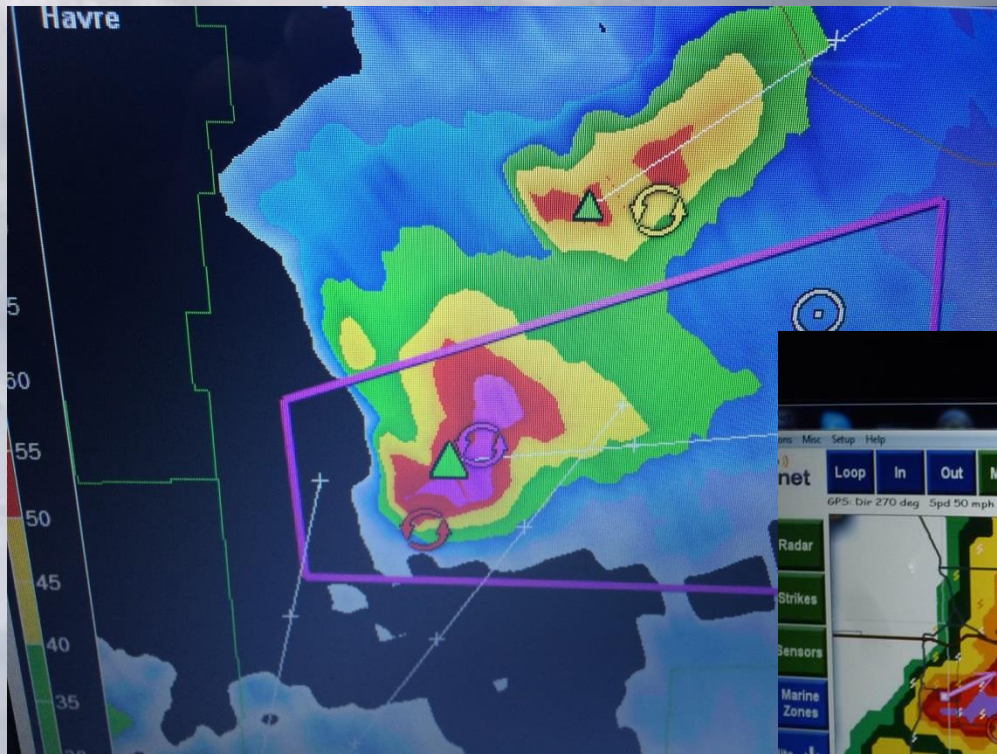
- GR Level 3





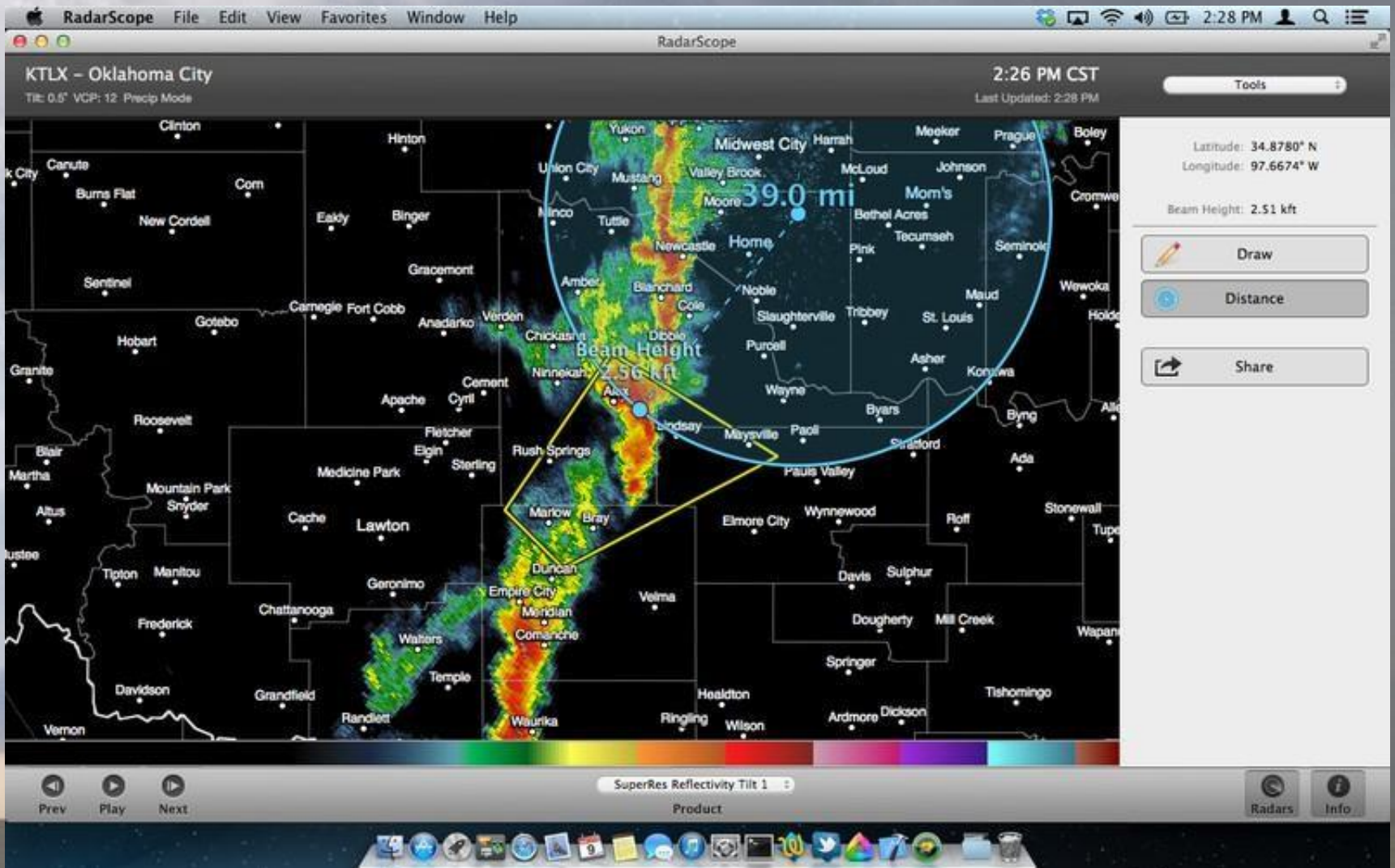
# The tools of the trade... Radar

- Barons



# The tools of the trade...Radar

- Radarscope





# In the beginning..

- What is Storm Chasing
- How I got into Storm Chasing
- How Weather Holidays got started

## Present Day

- Trips we offer...





# Storm Chasing



# Weather and Landscape Photography





# **New for 2019...**

## Canadian Prairies



Photo taken in Saskatchewan by Gunjan Sinha

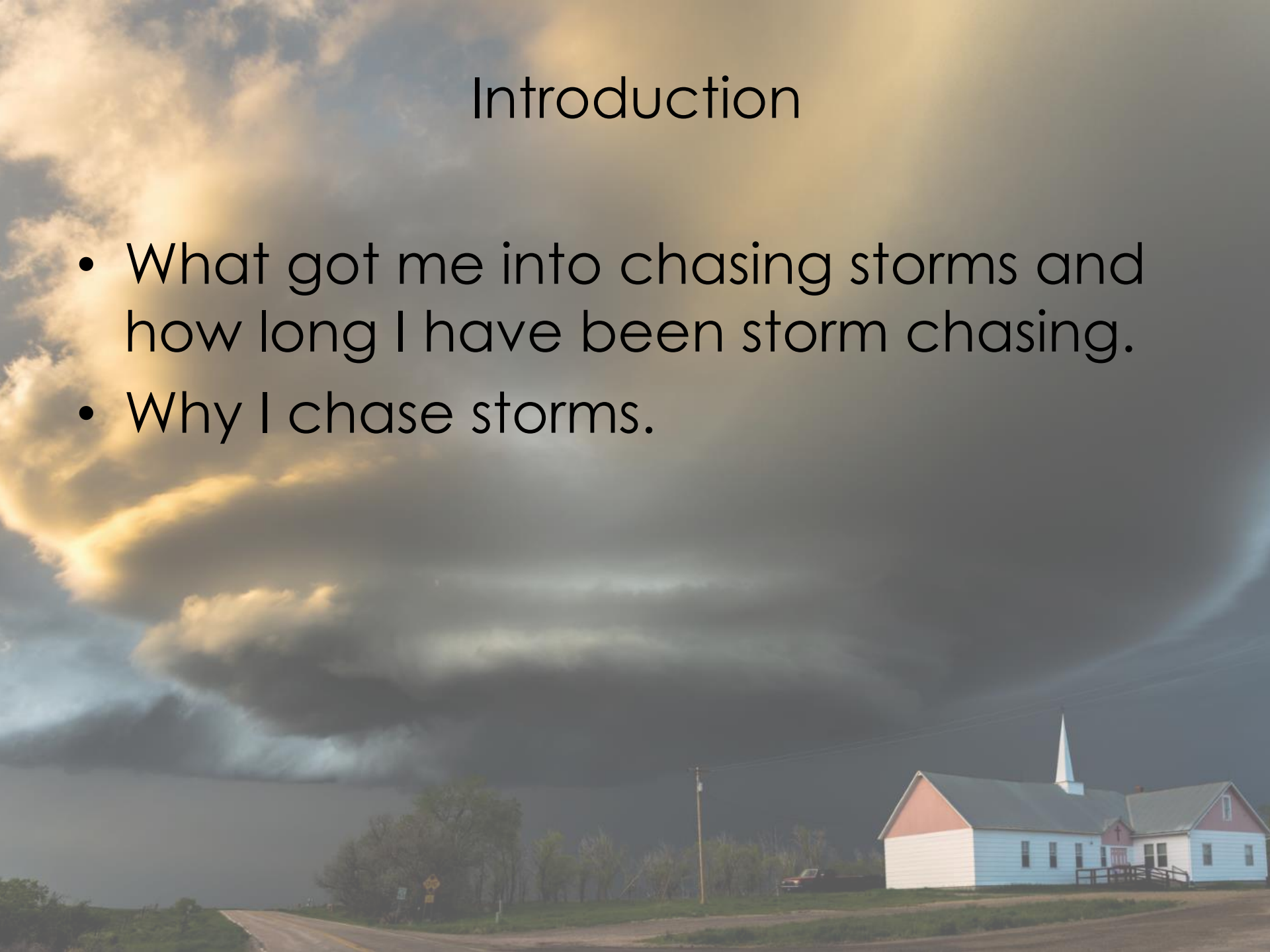
# Arizona Monsoon





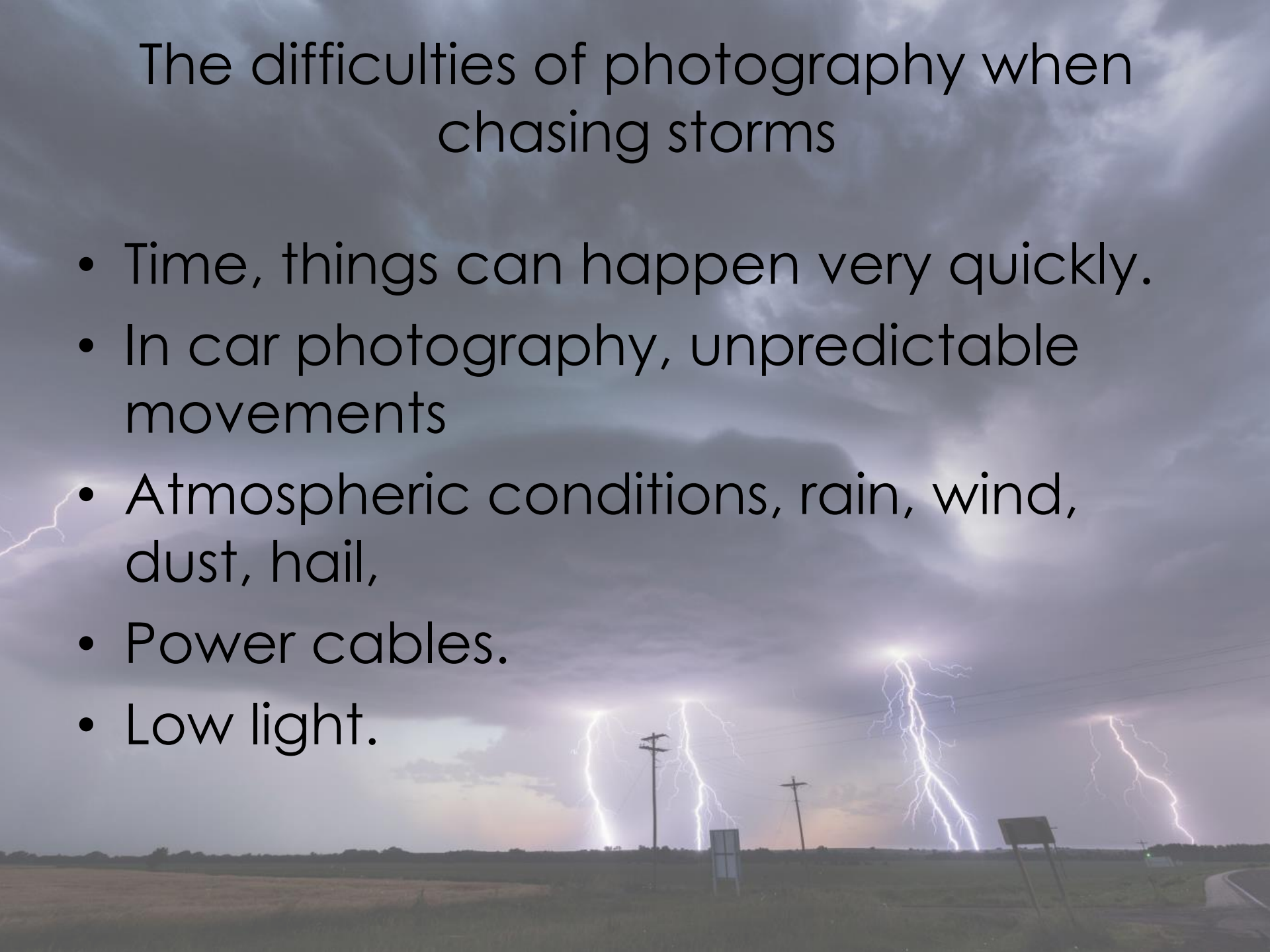
# Introduction

- What got me into chasing storms and how long I have been storm chasing.
- Why I chase storms.



# The difficulties of photography when chasing storms

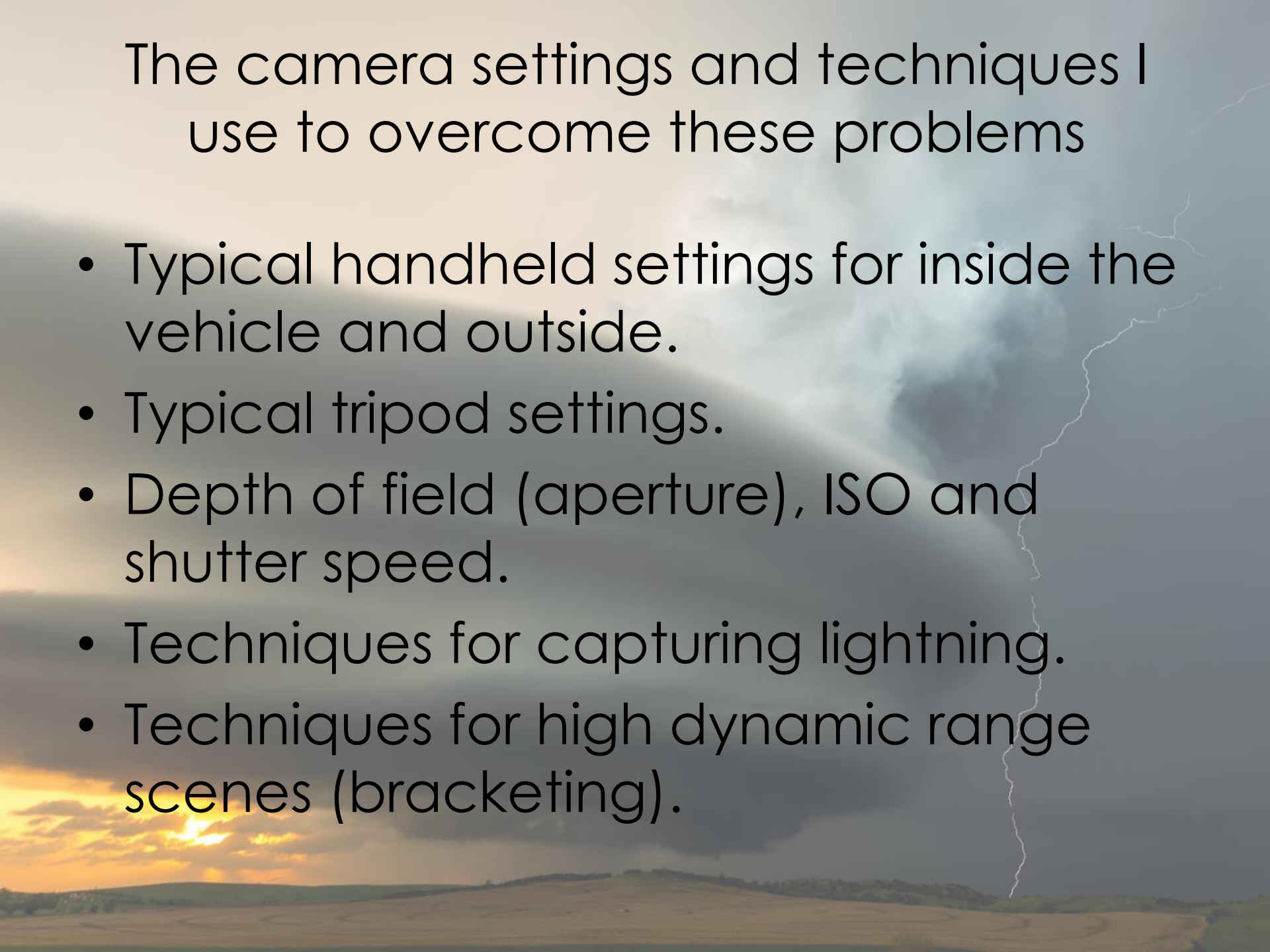
- Time, things can happen very quickly.
- In car photography, unpredictable movements
- Atmospheric conditions, rain, wind, dust, hail,
- Power cables.
- Low light.





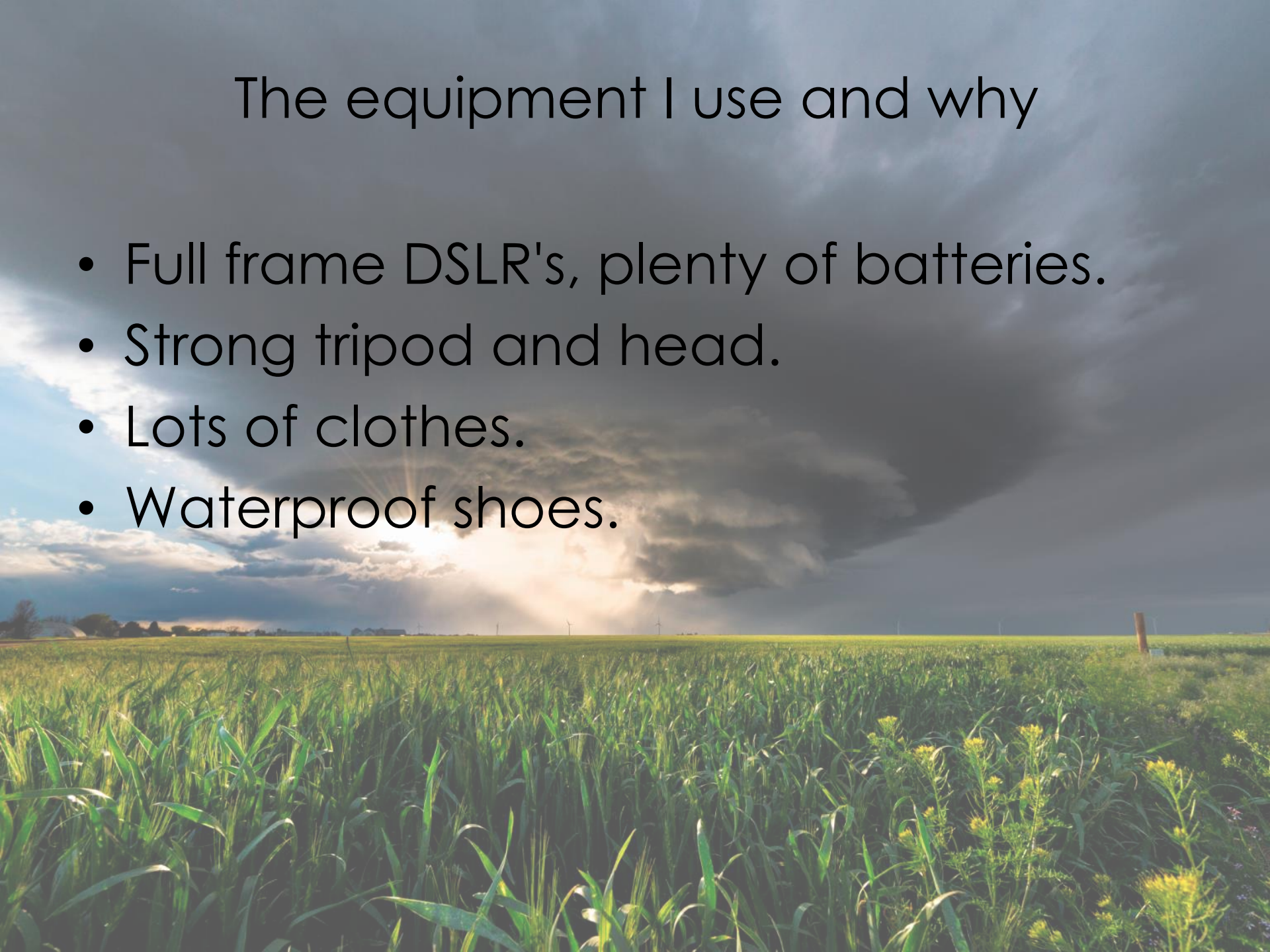
# The camera settings and techniques I use to overcome these problems

- Typical handheld settings for inside the vehicle and outside.
- Typical tripod settings.
- Depth of field (aperture), ISO and shutter speed.
- Techniques for capturing lightning.
- Techniques for high dynamic range scenes (bracketing).



# The equipment I use and why

- Full frame DSLR's, plenty of batteries.
- Strong tripod and head.
- Lots of clothes.
- Waterproof shoes.





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