



# Be Prepared! Changing of Seasons





#### **Neil Piper**

Head of Marketing and Content: Messe Frankfurt South Africa

# Opening





# **PANELISTS**



Lauren Smith
Weather SA



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Mayday-SA

Representative



Aviation Risk Specialist, Claims and Accident Investigator





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AVIATION RISK SPECIALIST, CLAIMS AND ACCIDENT INVESTIGATOR





## The Next Hour

(After Impact)

A brave and selfless pilot pulled four people alive from the burning wreckage of a mangled aircraft in Mpumalanga, South Africa, in a heroic rescue that was to cost him his own life, it has been revealed in an official air accident report that has just been released.

The report into the 2018 crash reveals for the first time, in incredible detail, how the pilot – David Goodwin (59) – sacrificed himself to save his stricken passengers when their light aircraft crashed into a remote mountain forest in Elandshoek Valley, after getting disorientated in thick cloud and flying into the steep valley during zero visibility.



Report Reveals Pilot Sacrificed His Own Life to Rescue 4 from Burning Plane in South Africa The 'golden hour' is a concept that critically injured patients are required to receive definitive care within 60 min from the occurrence of injuries, after which mortality significantly increased.

#### The Golden Hour



The time following a traumatic injury when prompt medical treatment has the highest likelihood to prevent death

Mobile Phone

Why it is not to be relied upon

- Requires Cell Reception
- Relatively Short Battery Life (1 day)
- Very Low Impact Resistance
- The screen requires clean and dry hands to operate



## Burner Phone

#### Better alternative to smart phone

- Longer battery life
- Higher impact resistance
- No touch-sensitive screen
- Low in weight

 The drawback is they still require cell reception



#### Satellite Communicators

#### The best solution for communication



inReach Mini 2

R 6 799,00 Skyhound



Garmin GPSMAP 66i Handheld a...

R 11 199,00 Cape Union ...



inReach Mini 2 BLACK

R 6 799,00 Skyhound



InReach Mini 2 - Flame Red

R 7 999,00 4x4 Mega W...



Spot X
Satellite GPS
Tracker & 2...

R 4 500,00

Tactical Dist...



Spot Gen3 Satellite GPS Messenger ...

R 2 995,00 Mantality



SPOT X Bluetooth 2-Way GPS...

R 5 499,00 R 12 029,00 Mantality Makro



Netgear Orbi

WiFi6 Satellite

AX6000 Add...

Garmin Gpsmap 66I

241G -... R 9 799,00

Skyhound



Spot Trace Satellite

Tracking...

R 2 300,00 4x4 Mega W...

Long Battery Life, Accurate Co-ordinates, Emergency SOS Support

High Impact Resistance, Water Proof, Two-Way communication, Weather Reports

Negatives: Costly and normally requires a monthly subscription



# Lauren Smith

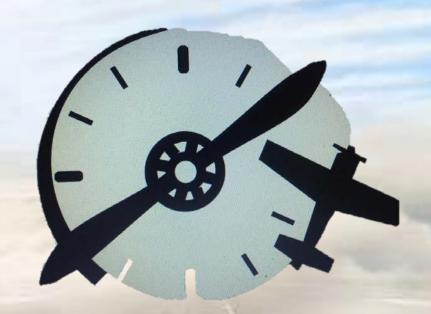
FORECASTER – SA WEATHER SERVICE





## SAFETY FIRST AVIATOR CAMPAIGN 2022







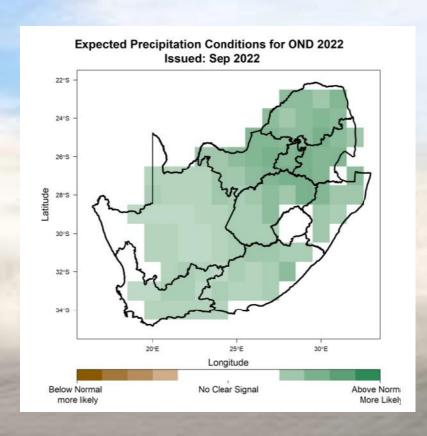
The Next Hour

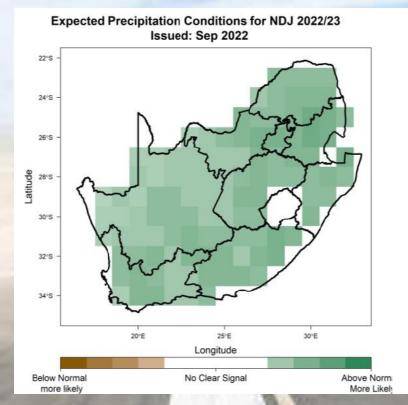
#### Seasonal Weather Outlook

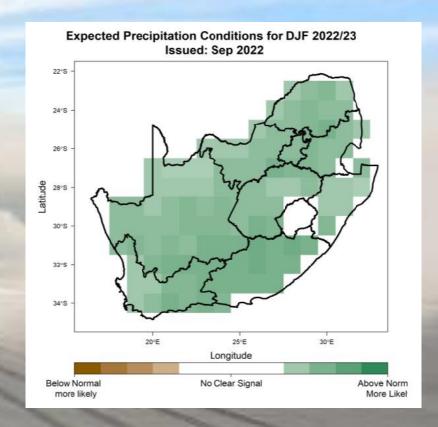
The El Niño-Southern Oscillation (ENSO) is currently in a <u>La Niña</u> state Expected to continue
Strongest impact on rainfall during the mid-summer months







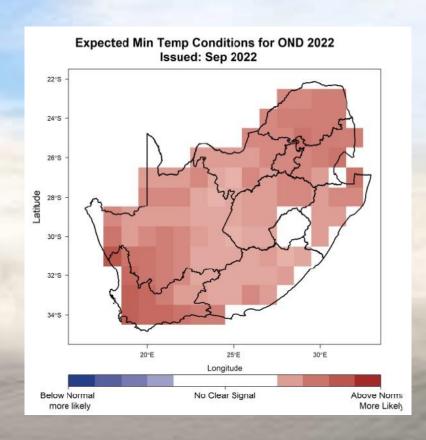


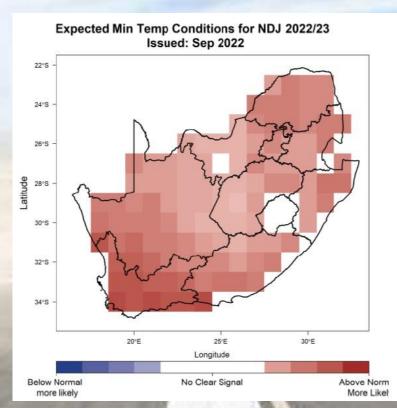


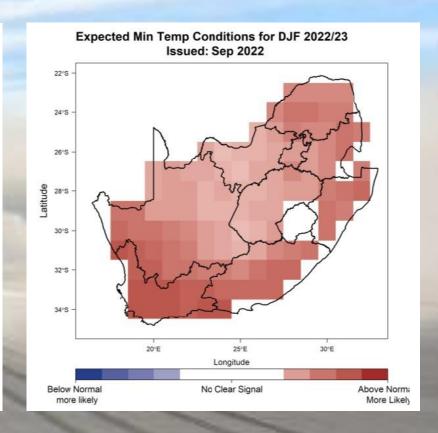


#### Minimum temperatures are still expected to be above normal countrywide





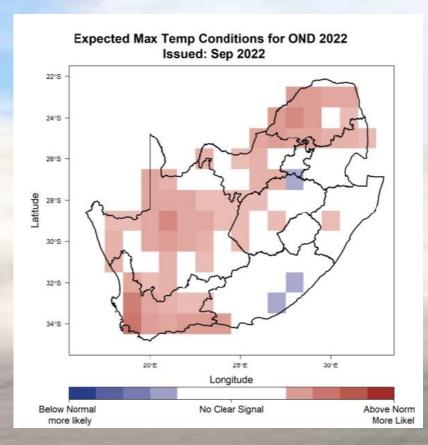


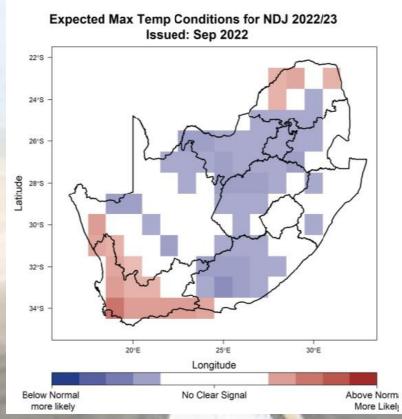


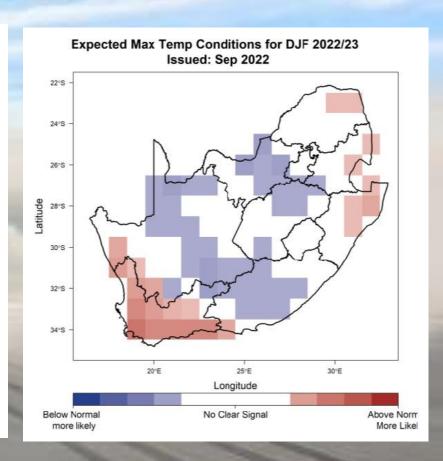
#### Maximum temperatures are expected to be below normal over large parts of the country









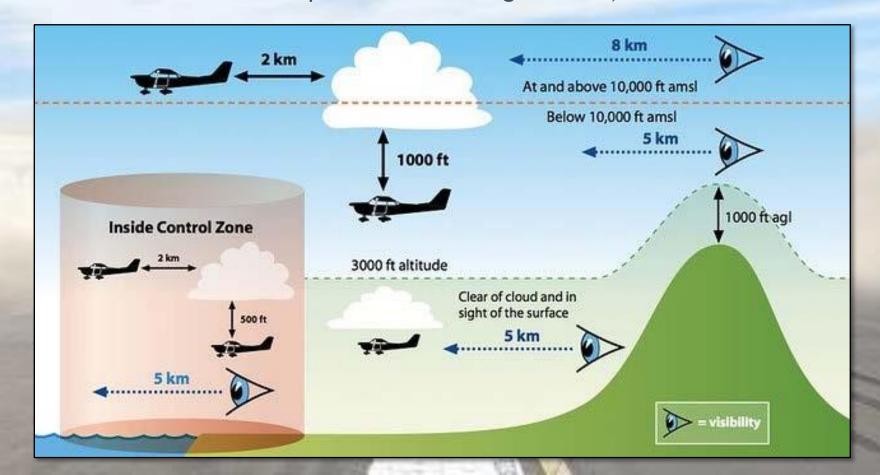


#### IMC to VMC



Instrument meteorological conditions (IMC) are Met conditions expressed in terms of visibility, distance from cloud, and ceiling, LESS than the minima specified for visual meteorological conditions (VMC). (ICAO Annex 2 Rules of the Air, Chapter 4: Visual Flight Rules)

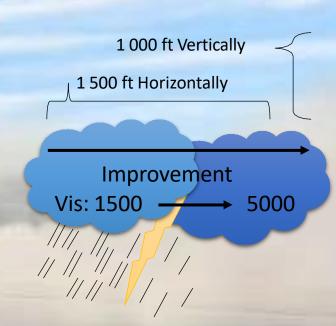




#### Local special reports and SPECI

## SAFETY FIRST AVIATOR





#### Criteria:

- \*) when the amount of a cloud layer below 450 m (1 500 ft) changes:
- 1) from SCT or less to BKN or OVC; or
- 2) from BKN or OVC to SCT or less.
- \*) When the height of base of the lowest cloud layer of BKN or OVC is lifting and goes to or through, or when the extent is lowering and passes through one or more of the following values:
- 1) 30, 60, 150 or 300 m (100, 200, 500 or 1 000 ft); and
- 2) 450 m (1 500 ft), in cases where significant numbers of flights are operated in VFR
- \*) when the sky is obscured and the vertical visibility is improving and goes to or through or when the vertical visibility is deteriorating and passes through one or more of the following values: 30, 60, 150 or 300 m (100, 200, 500 or 1 000 ft)

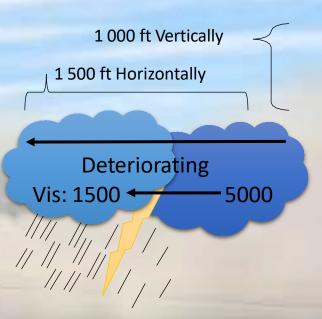
- \*) There requires a change in RUNWAY(s) in use; due to significant wind changes And indicate that the runway tailwind and crosswind components have changed
- \*) when the RUNWAY(s) visibility is improving and changes to or passes through one or more of the following values, or when the visibility is deteriorating and passes through one or more of the following values:
- 1) 50, 175, 300, 550, 800, 1 500 or 3 000 m; and
- 2) 5 000 m, in cases where significant numbers of flights are operated in VFR

TAF FAOR 231000Z 2312/2418 VRB03KT 9999 BKN030
TX22/2313Z TN14/2404Z
PROB30 TEMPO 2313/2321 -TSRA FEW030CB
BECMG 2322/2324 CAVOK
PROB30 TEMPO 2400/2406 4000 BR BKN005
BECMG 2408/2410 34008KT BKN015
PROB30 TEMPO 2413/2418 -TSRA FEW030CB=

FAOR 231400Z 34009KT 300V020 9999 SCT030 21/13 Q1026 NOSIG= FALA 231400Z 33005KT 310V010 9999 SCT035 23/13 Q1025 NOSIG= FAIR 231400Z 32004KT 9999 SCT030 22/14 Q1025= FAWB 231300Z 21005KT 9999 SCT025 24/14 Q1022=

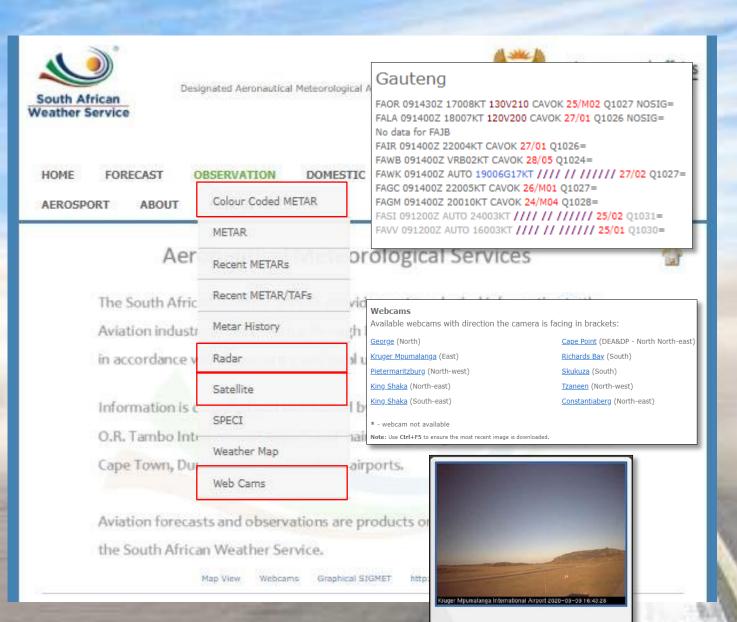


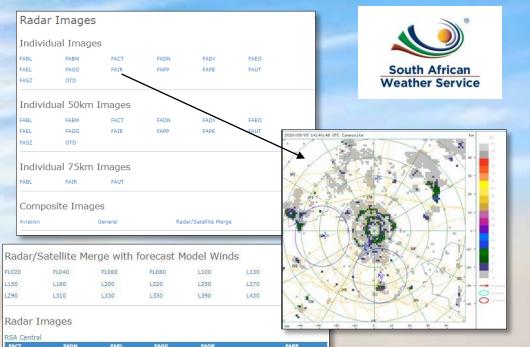




#### Aviation Website: https://aviation.weathersa.co.za





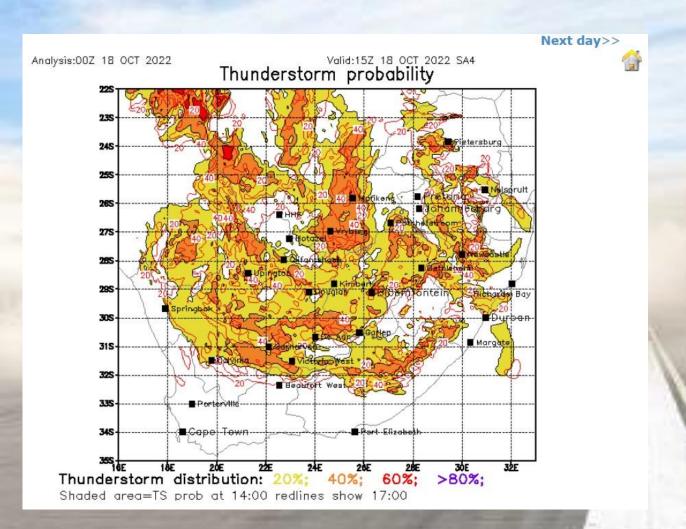


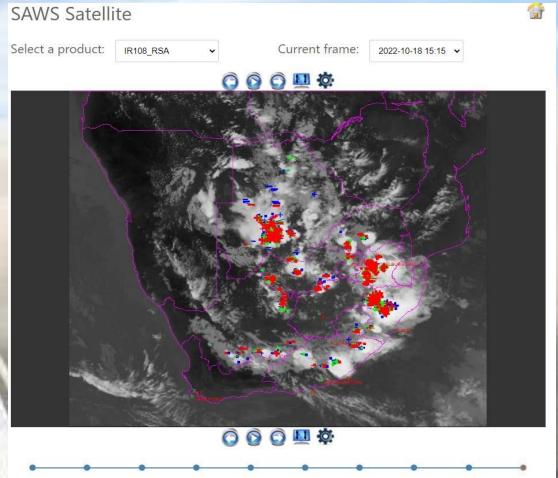
FIS(South)

## Aviation Website: https://aviation.weathersa.co.za





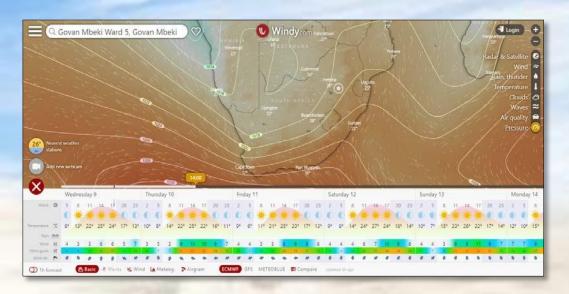


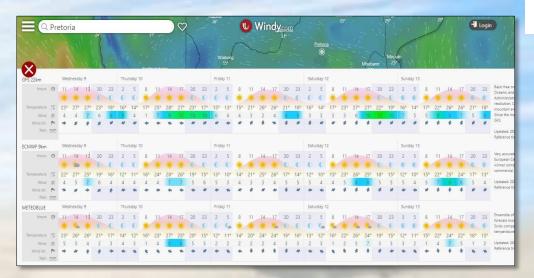


## WindyTV.com

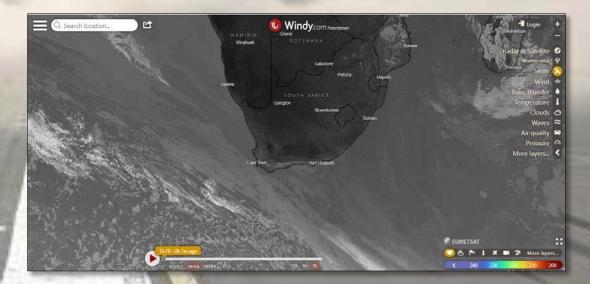














## Aviation Website & Contact details



 Aviation Website https://aviation.weathersa.co.za/#home

· FACT: 064 798 6994

• FAPE: 066 186 4870

· FALE: 032 436 3818

• FABL: 063 095 5103

· DRR: 012 367 6025

THANK YOU
FOR YOUR
TIME

Presented by: Lauren Smith lauren.smith@weathersa.co.za

The Next Hour



# Ari Levien

**MAYDAY-SA REPRESENTATIVE** 







## **Safety First Aviators**

# MAYDAY-SA Chronic Fatigue

20 October 2022 Presented by Ari Levien



## PLEASE - SAVE and SHARE

- Phone: 012 333 6000 (ask for MAYDAY)
- Website: www.mayday-sa.org.za
- Follow us on FaceBook: Mayday-SA
- Email: <u>maydaysouthafrica@gmail.com</u>/ <u>support@mayday-sa.org.za</u>

#### WHAT?

 Definition: "Fatigue is a condition characterized by increased discomfort with lessened capacity for work, reduced efficiency of accomplishment, loss of power or capacity to respond to stimulation, and is usually accompanied by a feeling of weariness and tiredness."





## CAUSES OF CHRONIC FATIGUE

- Extended periods of high stress
- Lack of rest for extended periods
- No "down-time"
- Medical



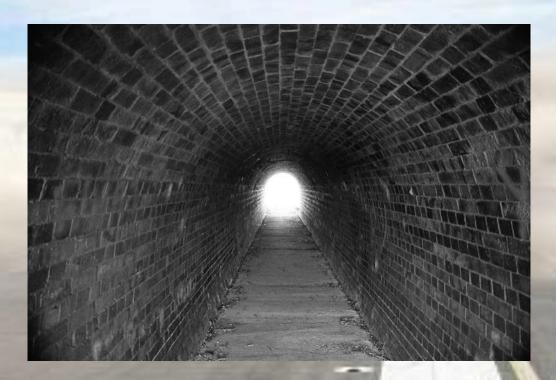
#### SYMPTOMS OF CHRONIC FATIGUE

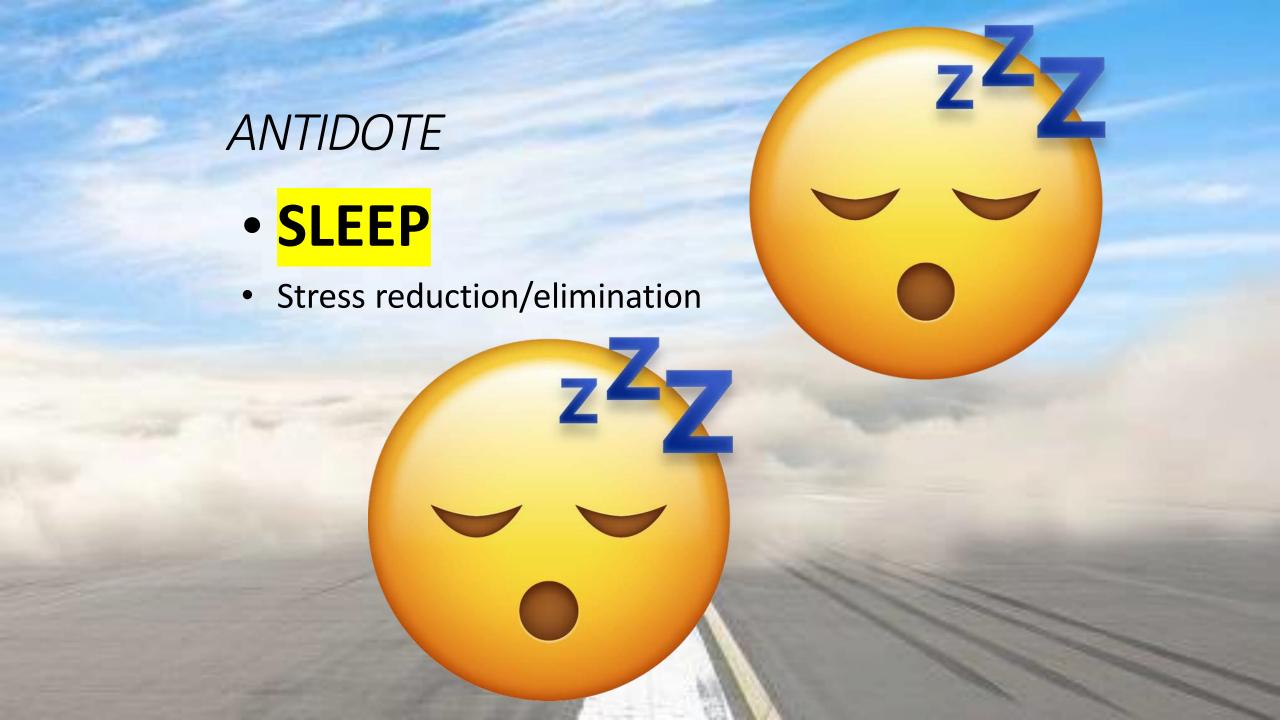
- Tiredness (not cured by a good night's sleep)
- Inability to concentrate
- Memory fog
- Increased reaction time
- Difficulty following instructions
- Headaches
- Heart palpitations
- Irritability
- Breathlessness
- Digestive problems
- Depression





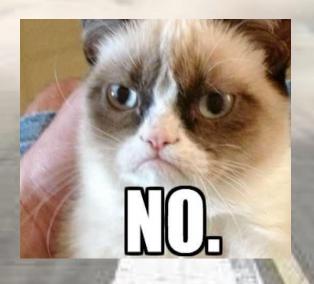
- Timing disruption
- Disruption of perceptual field ("Tunnel vision")





#### DON'T

- Lie awake if unable to sleep rather get up
- Consume caffeine or alcohol for 3-4 hours before bed
- Eat a large meal before bed
- Take work to bed
- Exercise within 2-3 hours of bedtime
- Use medication to sleep (unless prescribed by AME)



#### DO

- Be mindful of medication side effects!
- Consult your AME if medical conditions cause sleep issues
- Exercise
- Form good sleep habits (7-8 hours per night, consistent bedtime)
- Ensure sleep environment is comfortable
- Nap (limit to 30 mins!)
- Be honest with yourself!



#### TAKE AWAYS

- Stress contributes significantly to chronic fatigue
- Good sleep is vitally important
- Fatigue is a killer
- Be realistic about your degree of fatigue
- Down time, rest, sleep





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