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# *Aprenda Sobre Nuestros Productos*

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***Servicio Nacional de Meteorología  
Baltimore/Washington***

***Sterling, VA***



# Sobre nosotros...

## Servicio Nacional de Meteorología (SNM)

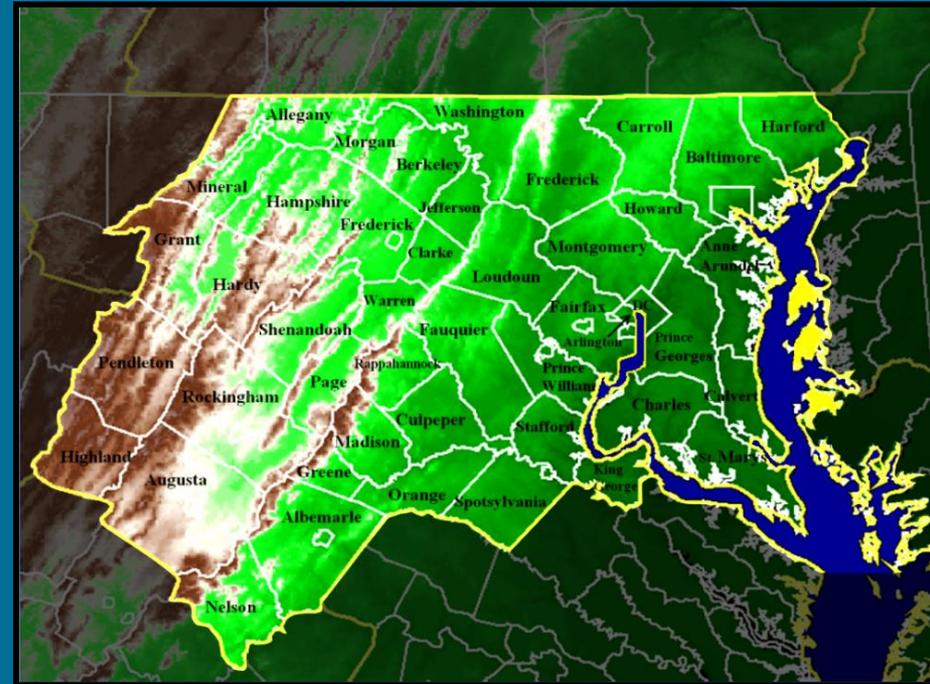
- *Proveer pronósticos y avisos de las condiciones del tiempo y agua para proteger vida y propiedad*
- *Nuestros datos y productos son utilizados por agencias del gobierno, el sector privado, el público y la comunidad global*



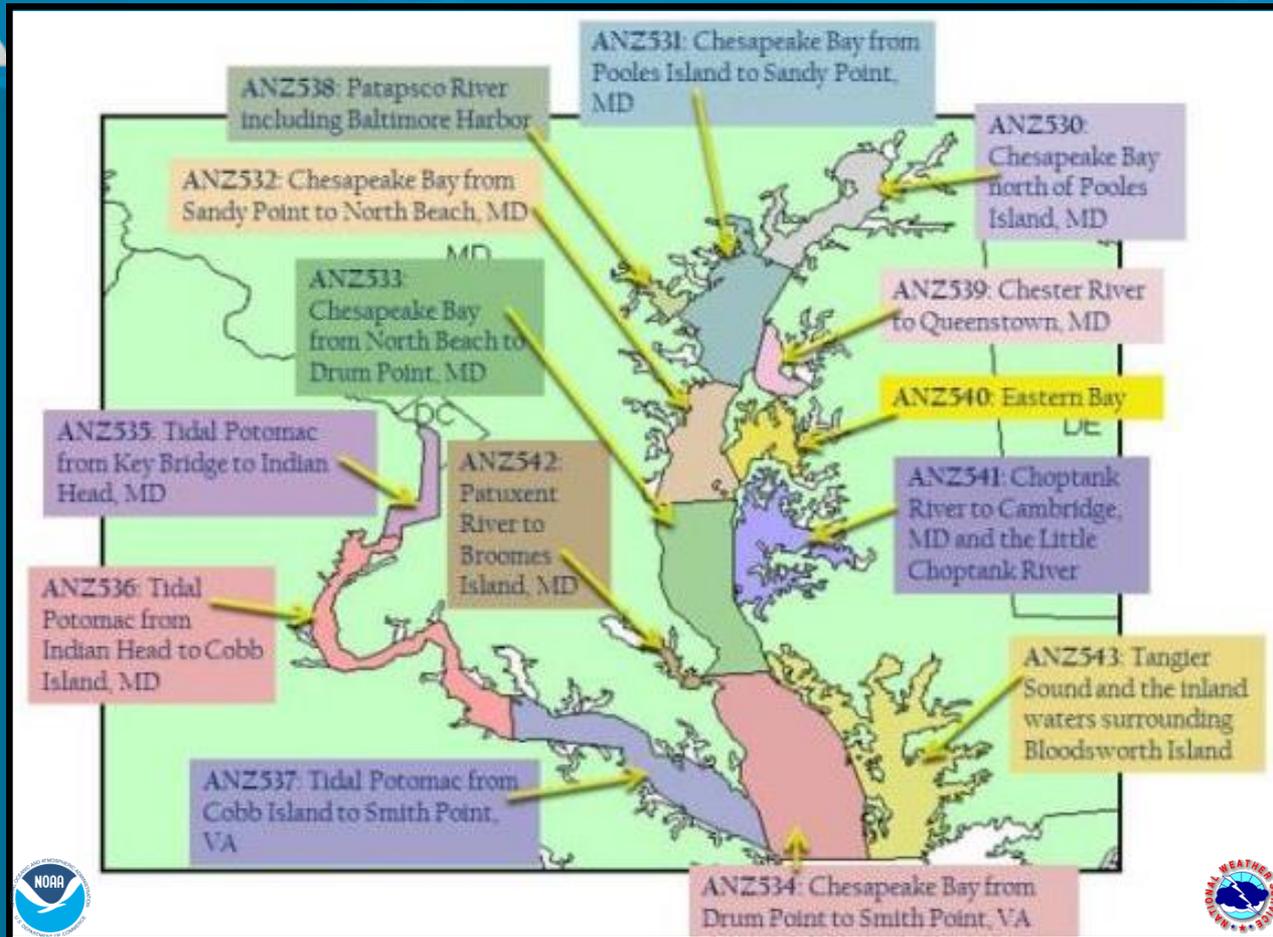
*Nuestro personal*

# Área de Responsabilidad

- **13 condados en MD**
- **8 condados en WV**
- **22 condados en VA**
- **11 ciudades independiendtes**
- **Distrito de Columbia**



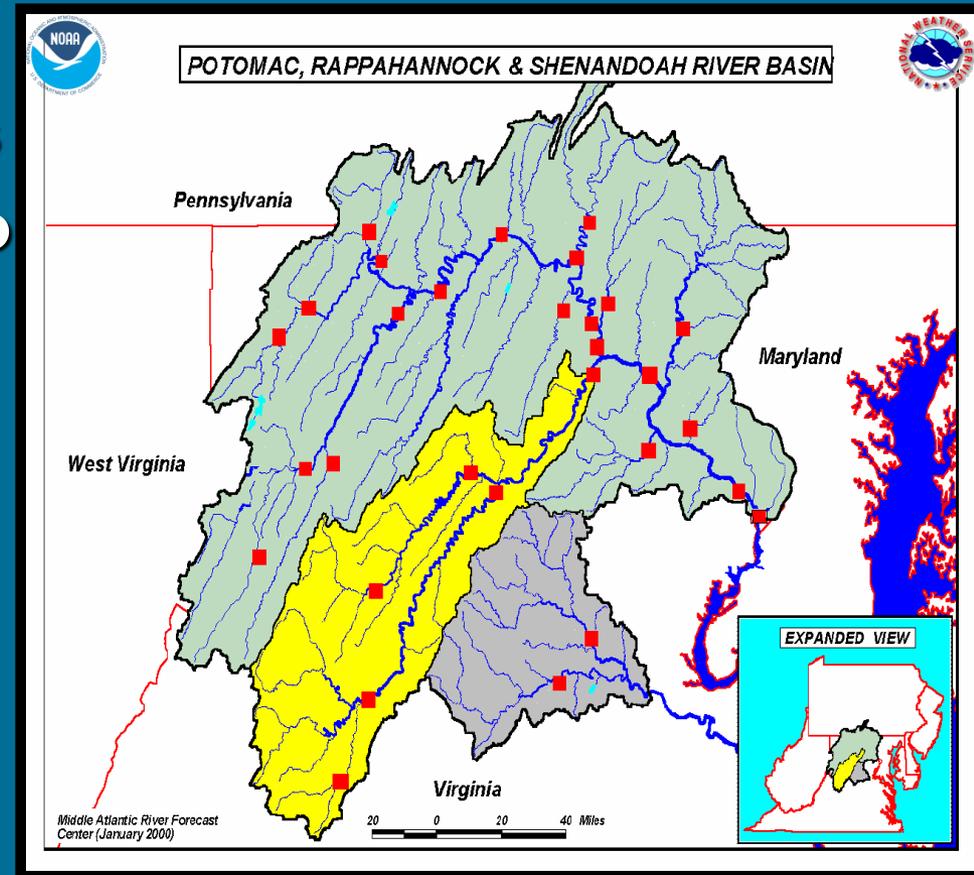
# Área de Responsabilidad Marina



- *Parte norte de la Bahía de Chesapeake*
- *Río Potomac*

# Área de Responsabilidad Hidrológica

- **Río Potomac**
  - 11,600 millas cuadradas
  - 22 puntos de pronóstico
- **Río Shenandoah**
  - 3,050 millas cuadradas
  - 6 puntos de pronóstico
- **Río Rappahannock**
  - 1,580 millas cuadradas
  - 2 puntos de pronóstico



# Operaciones y Servicios

- ***Pronósticos***
  - Públicos
  - Marinos
  - Aviación
  - Temporada de Incendios
  - Ríos
  - Zonas costeras
- ***Colección de datos***
  - Clima
  - Observadores cooperadores
- ***Vigilancias/Avisos/Advertencias***
  - Convectivas
    - Tornados
    - Tormentas eléctricas
  - Sistemas Tropicales
    - Huracanes
    - Tormentas tropicales
  - No precipitable
    - Calor extremo
    - Vientos fuertes
  - Hidrológicas
    - Inundaciones repentinas
    - Inundaciones de ríos
    - Riachuelos y tributarios
  - Tormentas Invernales
  - Inundaciones costeras
  - Incendios forestales

# Operaciones y Servicios

- **Vigilancias/Avisos**

- **Aviso (Warning)**

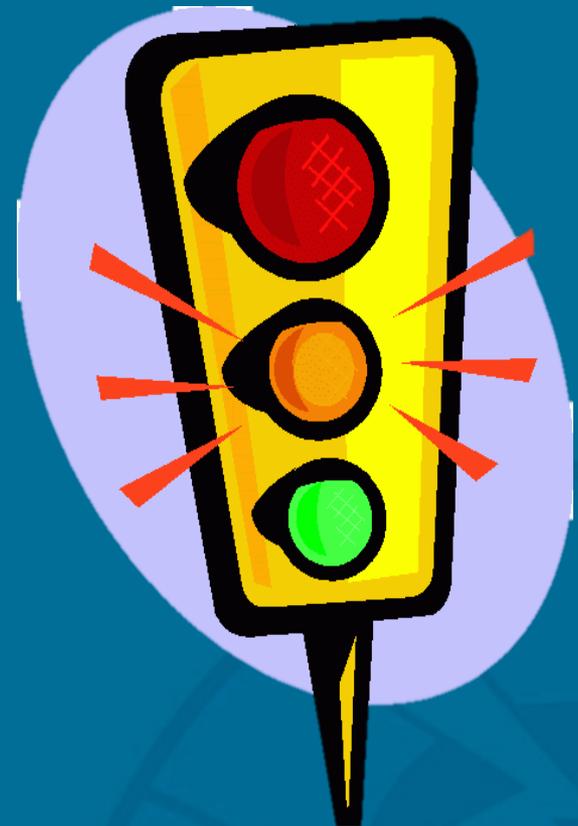
- *¡Tome acción!*
- *La amenaza es inminente o está ocurriendo en el área bajo aviso*

- **Vigilancia (Watch)**

- *“Vigile las condiciones del tiempo”*
- *Las condiciones son favorables para que se desarrollen amenazas de mal tiempo*
- *Manténgase al tanto de las condiciones*
- *Puede ser necesario que tenga que tomar acción pronto*

- **Cero amenazas a corto plazo**

- *Lea la Perspectiva de Tiempo Peligroso (Hazardous Weather Outlook)*



# Amenazas del Tiempo

- ***Tormentas eléctricas severas***
  - **Vientos dañinos**
  - **Granizo**
- ***Tornados/ Trombas Marinas***
- ***Inundaciones/ Inundaciones Repentinas***
- ***Marejada/ Inundaciones costeras***

# Amenazas del Tiempo

Photo By: Paul L. McCord, Jr

- *Huracanes/ Tormentas Tropicales*
- *Tiempo Invernal*
- *Amenazas de fuegos*
- *Neblina densa*
- *Vientos fuertes no asociados a tormentas*

# ¿Qué pasa una vez se emite un aviso?



SNM en Sterling, VA

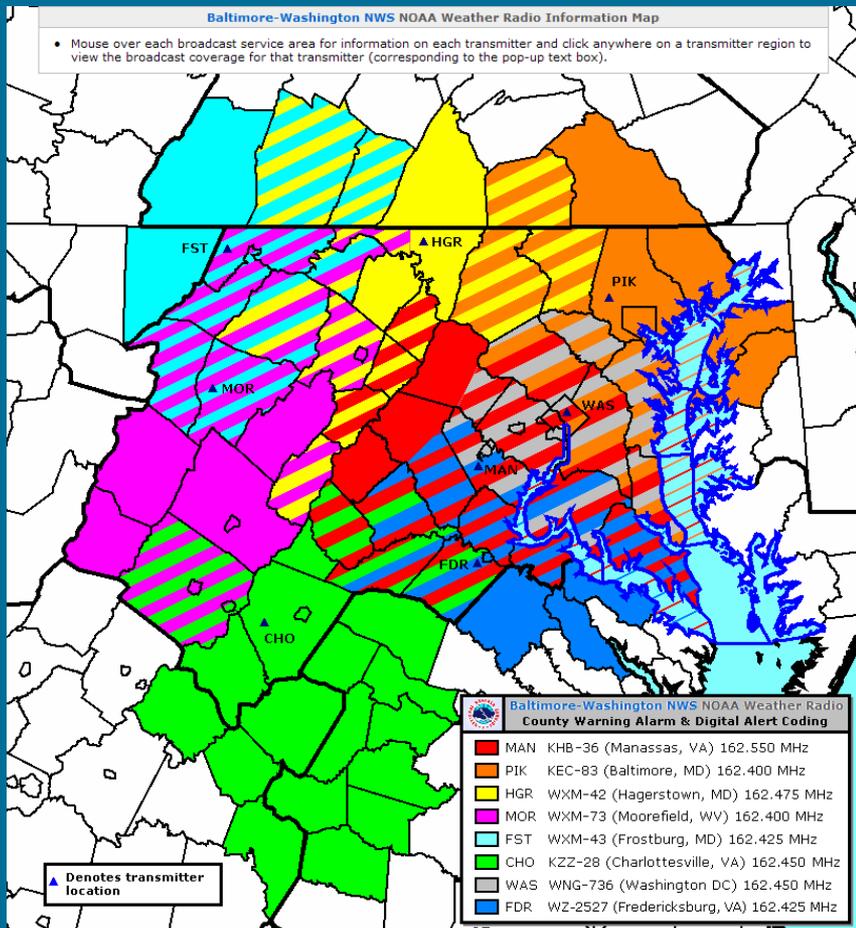
**Asociados**

**NWS**



**PUBLICO**

# Radio del Tiempo de NOAA



- *Mejor manera de informarte sobre vigilancias y avisos*
- *Pueden comprarse en tiendas y catálogos*
- *Precios varían entre \$15 y \$75*



# Alerta de Emergencia Inalámbrica

- *Mensajes de emergencia enviados por el gobierno alertando a través de su compañía móvil*
- *Avisos de:*
  - Tornados
  - inundaciones repentinas
  - Huracanes
  - Vientos fuertes



# Estadísticas Locales de Tornados y Climatología

- ***Tornados 1950 – Presente***

- F0 – F1 – 82%
- F2 – 13%
- F3 – 3%
- F4 – < 0.05%
- F5 – 0%

- ***Tornados en los últimos 60 años***

- 21 muertes
- 411 heridos

| OPERATIONAL EF SCALE |                     |
|----------------------|---------------------|
| EF Number            | 3 Second Gust (mph) |
| 0                    | 65-85               |
| 1                    | 86-110              |
| 2                    | 111-135             |
| 3                    | 136-165             |
| 4                    | 166-200             |
| 5                    | Over 200            |





# Seguridad Durante Tornados

- ***Si se encuentra bajo aviso***
  - Busque refugio en un cuarto interior
  - Agáchese y cubra su cabeza
  - Manténgase alejado de ventanas
  - Si no tiene sótano, vaya al piso más bajo de la residencia o edificio
  - Un baño o un armario o un pasillo sin ventanas
  - Si es posible cúbrase con un colchón para protegerse de escombros
  - Si no está en una residencia o edificio, busque refugio inmediatamente



# Seguridad Durante Relámpagos

- *Si puede ver o escuchar un relámpago, estás lo suficientemente cerca para ser golpeado por un rayo.*
- *¡Tome acción!*
- *¡Cuando Escuche el Trueno, Busque Refugio!*
- *Refugios seguros*
  - Un edificio cerrado con techo, paredes y piso
  - Un carro cerrado



# Seguridad Durante Inundaciones

- **45% de las fatalidades en los últimos años**
- **Cruzando carreteras inundadas**
- **Si su vehículo deja de funcionar en aguas profundas, salga de él y busque un terreno más alto**
- **Nunca trate de cruzar una carretera inundada si no puede ver el pavimento**
- **Mucho cuidado en la noche, las inundaciones son más difíciles de reconocer**



# Seguridad Durante Inundaciones

*¡ Es mejor regresar que ahogarse!*

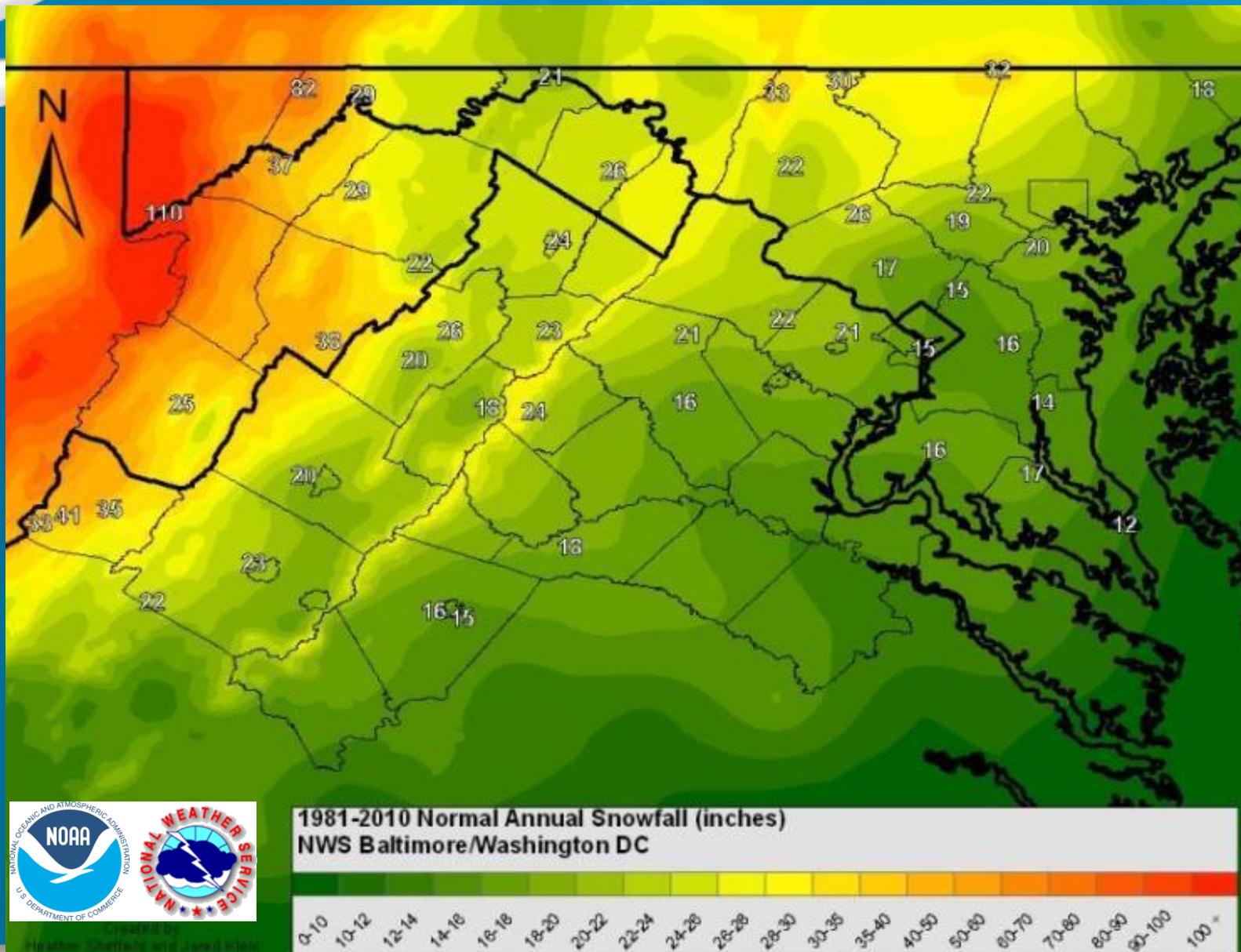


# Tiempo Invernal

- *Fuertes nevadas*
- *Condiciones de nevasca (blizzard)*
- *Heladas*
- *Frío extremo*



# Totales Promedio de Acumulación de Nieve

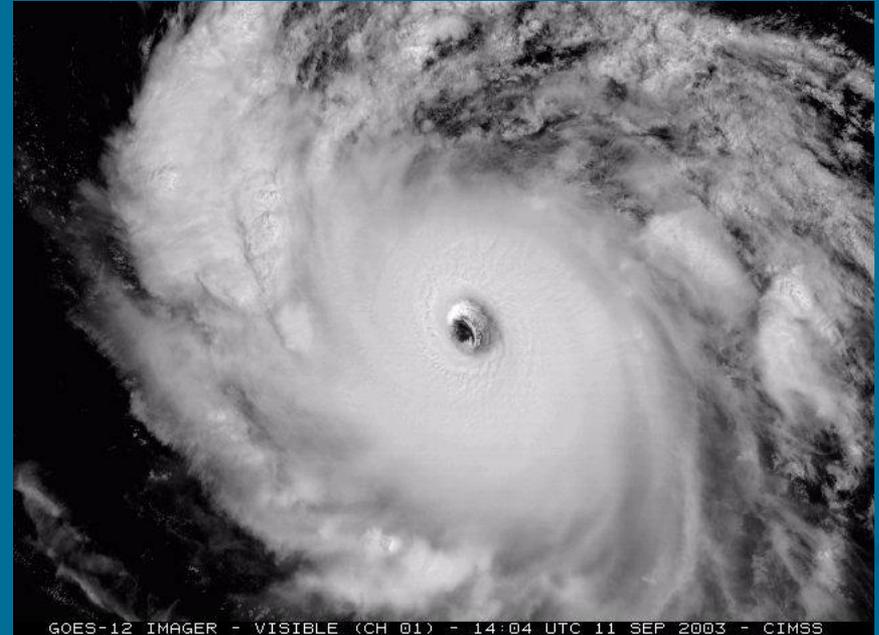


# Seguridad Durante el Invierno

- *Prepare un equipo de suministros de emergencia*
- *Sal, arena, palas y vestimenta adecuada*
- *Plan familiar*
- *Manténgase informado y siga instrucciones del gobierno local y estatal*
- *Proteja tuberías*
- *Llene el tanque de combustible de los autos*
- *Si utiliza generador de electricidad, manténgalo fuera de su residencia*
  - **Monóxido de carbono**

# Temporada Tropical

- *Temporada*
  - Junio 1 a Noviembre 30
- *Amenazas*
  - Inundaciones
  - Marejada ciclónica
  - Vientos fuertes
  - Tornados



# Página Web

**NATIONAL WEATHER SERVICE**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER SAFETY INFORMATION EDUCATION NEWS SEARCH ABOUT

Local forecast by "City, ST" or ZIP code  
Enter location:  Go  
[Location Help](#)

**News Headlines**  
• [Fall 2015 SKYWARN Classes Are Now Scheduled](#)

**NWS Forecast Office Baltimore/Washington**  
Sterling, VA  
Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather Local Programs

Click on the map below to zoom in.

Watches, Warnings & Advisories  
Small Craft Advisory

Last Map Update: Mon, Aug. 24, 2015 at 1:03:22 pm EDT

Icons: Radar, Current Weather, Rivers & Lakes, Satellite, Weather Information Display, Forecast Maps

- *Vigilancias, avisos y advertencias mas recientes*

- *Pronóstico local*

- *Perspectiva de Tiempo Peligroso*

[weather.gov/washington](http://weather.gov/washington) o [weather.gov/baltimore](http://weather.gov/baltimore)

weather.gov/washington @  
weather.gov/baltimore

**NATIONAL WEATHER SERVICE**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST POST-WEATHER SAFETY INFORMATION EDUCATION NEWS SEARCH ABOUT

**News Headlines**

- [OPDS \(OPDS\) Come With Us - Sun Apr 20th or Sat May 2nd](#)
- [Upcoming GEMMA's China Schedule - Including GEMMA's Open House](#)
- [Only 5-Over Forecasts Available For Lampara Army Beginning May 2nd](#)

**Hazardous Weather Conditions**

[Hazardous Weather Outlook](#)

Current conditions at  
College Park Airport (KDCPS)  
via [RADAR](#) [RADAR](#) [RADAR](#)

**70°F**  
21°C

Humidity: 60%  
Wind Speed: 20 k mph  
Barometer: 29.75 in  
Dewpoint: 59°F (15°C)  
Visibility: 10.00 mi  
Last update: 24 Apr 8:55 am EDT

**More Information:**  
[Local Forecast Office](#)  
[More Local Wx](#)  
[2 Day History](#)  
[Hourly Weather](#)  
[Hourly Weather Forecast](#)

**Extended Forecast for Silver Spring MD**

| Today                                       | Tonight                       | Wednesday     | Wednesday Night                           | Thursday       | Thursday Night | Friday         | Friday Night  | Saturday     |
|---------------------------------------------|-------------------------------|---------------|-------------------------------------------|----------------|----------------|----------------|---------------|--------------|
|                                             |                               |               |                                           |                |                |                |               |              |
| Slight Chance Showers then Tornadoes Likely | Tornadoes Likely then Showers | Mostly Cloudy | Slight Chance Showers then Showers Likely | Showers Likely | Showers Likely | Chance Showers | Mostly Cloudy | Partly Sunny |
| High: 67°F                                  | Low: 51°F                     | High: 63°F    | Low: 53°F                                 | High: 66°F     | Low: 49°F      | High: 64°F     | Low: 49°F     | High: 63°F   |

**Detailed Forecast**

**Today:** A light chance of showers, then showers and thunderstorms likely after 2pm. Partly sunny, with a high near 67. West wind 15 to 16 mph, with gusts as high as 25 mph. Chance of precipitation is 60%. New rainfall amounts of less than a tenth of an inch, except higher amounts possible in thunderstorms.

**Tonight:** Showers and thunderstorms likely before 2am, then a light chance of showers. Mostly cloudy, with a low around 51. West wind 7 to 15 mph becoming northeast after midnight. Chance of precipitation is 60%. New rainfall amounts of less than a tenth of an inch, except higher amounts possible in thunderstorms.

**Wednesday:** Mostly cloudy, with a high near 63. Northeast wind 6 to 8 mph becoming east in the afternoon.

**Wednesday Night:** A light chance of showers, then showers likely and possibly a thunderstorm after 2am. Cloudy, with a low around 51. Southeast wind 3 to 6 mph. Chance of precipitation is 60%. New rainfall amounts of less than a tenth of an inch, except higher amounts possible in thunderstorms.

**Thursday:** Showers likely and possibly a thunderstorm. Cloudy, with a high near 66. East wind around 6 mph. Chance of precipitation is 70%.

**Thursday Night:** Showers likely, mainly before 2am. Cloudy, with a low around 48. Chance of precipitation is 60%.

**Friday:** A chance of showers. Cloudy, with a high near 61. Chance of precipitation is 40%.

**Friday Night:** Mostly cloudy, with a low around 48.

**Saturday:** Partly sunny, with a high near 67.

**Saturday Night:** Mostly cloudy, with a low around 51.

**Sunday:** A chance of showers. Mostly cloudy, with a high near 66. Chance of precipitation is 40%.

**Sunday Night:** Showers likely. Cloudy, with a low around 51. Chance of precipitation is 60%.

**Monday:** Showers likely. Cloudy, with a high near 66. Chance of precipitation is 60%.

**Additional Forecast and Information**

[www.weather.gov/washington/forecast](#)  
[Forecast Discussion](#) [Hourly Weather Forecast](#) [24 Hour Forecast](#)  
[7 Day Forecast](#) [Interactive 24 Hour Forecast](#) [About Rain Forecasts](#)  
[Hazardous Weather Briefing Page](#) [Post-Weather Information](#) [Home](#)  
[Interactive Forecast Map](#)

**Additional Resources**

**Radar & Satellite Image**

**Hourly Weather Forecast**

**National Digital Forecast Database**

[High Temperature](#) [Chance of Precipitation](#)

# Página Web

**NATIONAL WEATHER SERVICE**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER SAFETY INFORMATION EDUCATION NEWS SEARCH ABOUT

View Location Examples

Your local forecast office is **Baltimore, MD/Washington**

**Hazardous Weather Outlook**

- [Hazardous Weather Outlook](#)

En Español [Share](#)

Current conditions at **College Park Airport (KCGS)**  
Lat: 38.98°N Lon: 76.92°W Elev: 49ft

Fair  
**70°F**  
21°C

Extended Forecast for **Silver Spring MD**

| Today                                      | Tomorrow                            | Friday        | Friday Night                              | Saturday       |
|--------------------------------------------|-------------------------------------|---------------|-------------------------------------------|----------------|
|                                            |                                     |               |                                           |                |
| 20% → 60%                                  | 60%   40%                           | 20% → 60%     | 70%                                       | 60%            |
| Slight Chance Showers then T-storms Likely | T-storms Likely then Chance Showers | Mostly Cloudy | Slight Chance Showers then Showers Likely | Chance Showers |
| High: 87 °F                                | Low: 54 °F                          | High: 63 °F   | Low: 52 °F                                | High: 60 °F    |
|                                            |                                     |               |                                           | Low: 49 °F     |
|                                            |                                     |               |                                           | High: 61 °F    |
|                                            |                                     |               |                                           | Low: 48 °F     |
|                                            |                                     |               |                                           | High: 67 °F    |

More Information:  
[Local Forecast Office](#)  
[More Local Wx](#)  
[3 Day History](#)  
[Mobile Weather](#)  
[Hourly Weather Forecast](#)

# Página Web

## Detailed Forecast

|                        |                                                                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Today</b>           | A slight chance of showers, then showers and thunderstorms likely after 2pm. Partly sunny, with a high near 87. West wind 13 to 18 mph, with gusts as high as 25 mph. Chance of precipitation is 60%. New rainfall amounts of less than a tenth of an inch, except higher amounts possible in thunderstorms.       |
| <b>Tonight</b>         | Showers and thunderstorms likely before 2am, then a slight chance of showers. Mostly cloudy, with a low around 54. West wind 7 to 13 mph becoming northeast after midnight. Chance of precipitation is 60%. New rainfall amounts of less than a tenth of an inch, except higher amounts possible in thunderstorms. |
| <b>Wednesday</b>       | Mostly cloudy, with a high near 63. Northeast wind 6 to 9 mph becoming east in the afternoon.                                                                                                                                                                                                                      |
| <b>Wednesday Night</b> | A slight chance of showers, then showers likely and possibly a thunderstorm after 2am. Cloudy, with a low around 52. Southeast wind 3 to 6 mph. Chance of precipitation is 60%. New rainfall amounts of less than a tenth of an inch, except higher amounts possible in thunderstorms.                             |
| <b>Thursday</b>        | Showers likely and possibly a thunderstorm. Cloudy, with a high near 60. East wind around 8 mph. Chance of precipitation is 70%.                                                                                                                                                                                   |
| <b>Thursday Night</b>  | Showers likely, mainly before 2am. Cloudy, with a low around 49. Chance of precipitation is 60%.                                                                                                                                                                                                                   |
| <b>Friday</b>          | A chance of showers. Cloudy, with a high near 61. Chance of precipitation is 40%.                                                                                                                                                                                                                                  |
| <b>Friday Night</b>    | Mostly cloudy, with a low around 48.                                                                                                                                                                                                                                                                               |
| <b>Saturday</b>        | Partly sunny, with a high near 67.                                                                                                                                                                                                                                                                                 |
| <b>Saturday Night</b>  | Mostly cloudy, with a low around 51.                                                                                                                                                                                                                                                                               |
| <b>Sunday</b>          | A chance of showers. Mostly cloudy, with a high near 68. Chance of precipitation is 40%.                                                                                                                                                                                                                           |
| <b>Sunday Night</b>    | Showers likely. Cloudy, with a low around 55. Chance of precipitation is 60%.                                                                                                                                                                                                                                      |
| <b>Monday</b>          | Showers likely. Cloudy, with a high near 68. Chance of precipitation is 60%.                                                                                                                                                                                                                                       |

## Additional Forecasts and Information

[ZONE AREA FORECAST FOR CENTRAL AND SOUTHEAST MONTGOMERY, MD](#)

[Forecast Discussion](#)  
[Printable Forecast](#)  
[Text Only Forecast](#)

[Hourly Weather Forecast](#)  
[Tabular Forecast](#)

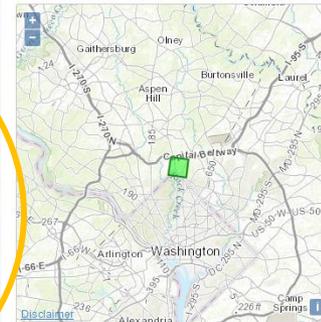
[Air Quality Forecasts](#)  
[International System of Units](#)  
[About Point Forecasts](#)

[Hazardous Weather](#)  
[Briefing Page](#)

[Past Weather Information](#)  
[Interactive Forecast Map](#)

[Home](#)

Topographic  
[Click Map For Forecast](#)



**Point Forecast:** Silver Spring MD

39°N 77.03°W (Elev. 344 ft)

**Last Update:** 7:27 am EDT Apr 26, 2016

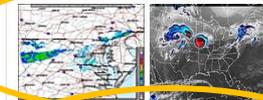
**Forecast Valid:** 9am EDT Apr 26, 2016-6pm EDT May 2, 2016

[Forecast Discussion](#)

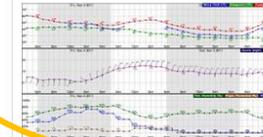
[KML](#) [XML](#)

## Additional Resources

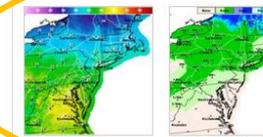
[Radar Composite Image](#)



[Hourly Weather Forecast](#)



[National Digital Forecast Database](#)



[High Temperature](#)

[Chance of Precipitation](#)

*[www.weather.gov/washington/espanol](http://www.weather.gov/washington/espanol)*  
**Nueva Página Web Con Información  
En Español**

# Resumen

- *Nuestra región es afectada por múltiples amenazas naturales*
- *Nuestra oficina provee productos para ayudarlos a estar mejor preparados*
- *Debe conocer la diferencia entre ‘Vigilancia’ (Watch) y ‘Aviso’ (Warning) y qué acción tomar en cada caso*
- *Nuestra página web cuenta con los pronósticos en español*

[www.weather.gov/washington](http://www.weather.gov/washington)  
[www.listo.gov](http://www.listo.gov)