

```
<div style="background: #050505; color: #ffffff; padding: 40px; border-radius: 24px; font-family: 'Inter', system-ui, sans-serif; border: 1px solid #1a1a1a; text-align: center; max-width: 1000px; margin: auto; box-shadow: 0 30px 60px rgba(0,0,0,0.6);">
```

```
  <h1 style="color: #00DFFF; letter-spacing: 6px; font-weight: 900; margin-bottom: 5px;">ELM SPRING FARM</h1>
```

```
  <p style="color: #555; text-transform: uppercase; font-size: 11px; letter-spacing: 3px; margin-bottom: 30px;">Satellite Images & Topography</p>
```

```
  <div style="background: #0f0f0f; padding: 30px; border-radius: 18px; border: 1px solid #222; margin-bottom: 25px;">
```

```
    <div id="dateLabel" style="font-size: 24px; color: #FFD700; font-weight: 800; margin-bottom: 20px;">SYNCING SECURE BRIDGE...</div>
```

```
    <input type="range" id="timeSlider" min="0" max="0" value="0" style="width: 100%; accent-color: #00FF66; cursor: pointer;">
```

```
    <div style="display: flex; justify-content: space-between; font-size: 10px; color: #444; margin-top: 10px; font-weight: bold;">
```

```
      <span>HISTORICAL ARCHIVE</span>
```

```
      <span>REAL-TIME LATEST</span>
```

```
    </div>
```

```
  </div>
```

```
  <div id="status" style="color: #00FF66; font-family: 'Courier New', monospace; margin-bottom: 15px; font-size: 13px; letter-spacing: 1px;"> 📡 INITIALIZING ENCRYPTED TUNNEL...</div>
```

```
  <div style="position: relative; background: #000; border-radius: 14px; border: 1px solid #333; overflow: hidden; min-height: 480px; display: flex; align-items: center; justify-content: center; box-shadow: inset 0 0 20px #000;">
```

```
    <div id="loader" style="color: #222; font-weight: bold; letter-spacing: 2px; z-index: 5;">AWAITING HD RENDER...</div>
```

```
    <img id="hdDisplay" src="" style="width: 100%; display: none; transition: opacity 0.6s ease-in-out;">
```

</div>

<p style="margin-top: 25px; font-size: 10px; color: #222; letter-spacing: 1px;">ORACLE
A1-ARM CLOUD | SENTINEL-2 L2A & COP-DEM-30 | NGROK SECURE</p>

<!-- Separator for sleek transition -->

<div style="margin: 40px 0; border-top: 1px solid #1a1a1a; padding-top: 20px;"></div>

<div style="text-align: center; margin-bottom: 15px;">

<div style="display: inline-block; padding: 4px 10px; background: rgba(0, 255, 102, 0.1);
border-radius: 16px; color: #00FF66; font-size: 10px; font-weight: bold; letter-spacing:
1px;">GROUND-TRUTH: MIRROR NODE</div>

<h2 style="color: #fff; margin: 5px 0; font-size: 18px;">Goodwater Creek Watershed,
MO</h2>

<p style="color: #FF6666; font-size: 12px; font-weight: bold; margin-top: 5px;">We
don't have our live feed up yet! So we are using Goodwater as a placeholder.</p>

</div>

<div style="display: flex; gap: 15px; flex-wrap: wrap;">

<div id="slider-container" style="flex: 2; min-width: 250px; background: #000; border-
radius: 12px; border: 1px solid #333; overflow: hidden; min-height: 250px; position:
relative; text-align: center; color: #888;">

<div id="slides" style="display: flex; transition: transform 0.5s ease-in-out; height:
100%;"></div>

<button id="prev" style="position: absolute; top: 50%; left: 10px; transform:
translateY(-50%); background: rgba(0,0,0,0.5); color: #fff; border: none; padding: 10px;
cursor: pointer; z-index: 10;">❮</button>

<button id="next" style="position: absolute; top: 50%; right: 10px; transform:
translateY(-50%); background: rgba(0,0,0,0.5); color: #fff; border: none; padding: 10px;
cursor: pointer; z-index: 10;">❯</button>

<div id="date-label" style="position: absolute; bottom: 10px; left: 50%; transform: translateX(-50%); background: rgba(0,0,0,0.5); color: #ccc; padding: 5px 10px; border-radius: 4px; font-size: 12px; z-index: 10;"></div>

<p id="loading" style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);">Loading last 365 midday images...</p>

</div>

<div style="flex: 1; min-width: 200px; background: rgba(255,255,255,0.02); padding: 15px; border-radius: 12px; border: 1px solid rgba(255,255,255,0.05); text-align: left;">

<h4 style="color: #FFD700; margin-top: 0; font-size: 11px; text-transform: uppercase; letter-spacing: 1px;">Station Intel</h4>

<div style="font-family: monospace; font-size: 11px; line-height: 1.8; color: #ccc;">

<div>CROP: Zea mays / Glycine</div>

<div>LAT: 39.22848</div>

<div>STATUS: ACTIVE JAN 2026</div>

</div>

<p style="color: #888; font-size: 10px; line-height: 1.5; margin-top: 15px; border-top: 1px solid #222; padding-top: 15px;">

This regional proxy for Elm Spring Farm establishes the ground-level vegetation index used to calibrate our HD Topography and Satellite renders.

</p>

View Feed ↗

</div>

</div>

</div>

<script>

```
const TUNNEL = "https://darrell-pseudopolitic-subimbricately.ngrok-free.dev";
```

```
// This header is the "Key" to bypassing the Ngrok warning screen
```

```
const HEADERS = { "ngrok-skip-browser-warning": "true" };
```

```
const slider = document.getElementById('timeSlider');
```

```
const label = document.getElementById('dateLabel');
```

```
const img = document.getElementById('hdDisplay');
```

```
const status = document.getElementById('status');
```

```
const loader = document.getElementById('loader');
```

```
let dates = [];
```

```
async function init() {
```

```
  try{
```

```
    const r = await fetch(`${TUNNEL}/manifest`, { headers: HEADERS });
```

```
    if (!r.ok) throw new Error();
```

```
    const data = await r.json();
```

```
    dates = data.dates;
```

```
    if(dates && dates.length > 0) {
```

```
      slider.max = dates.length - 1;
```

```
      slider.value = dates.length - 1;
```

```
      loadHD(dates.length - 1);
```

```
    }
```

```
  } catch (e) {
```

```
    label.innerText = "TUNNEL OFFLINE";
```

```
    status.innerText = " ⚠️ RESTART PYTHON & NGROK ON ORACLE";
```

```

        status.style.color = "#ff4444";
    }
}

async function loadHD(index) {
    const d = dates[index];

    label.innerText = "OBSERVATION: " + d;

    status.innerText = " 📡 STREAMING HD TEXTURES...";

    try {
        // We fetch the image as a 'Blob' so we can include the skip-warning header
        const response = await fetch(`${TUNNEL}/render_date/${d}`, { headers: HEADERS });
        const blob = await response.blob();
        const url = URL.createObjectURL(blob);

        img.style.opacity = "0";
        img.src = url;
        img.onload = () => {
            img.style.display = "block";
            img.style.opacity = "1";
            loader.style.display = "none";
            status.innerText = " 📡 HD LINK ESTABLISHED";
        };
    } catch (err) {
        status.innerText = " ⚠️ RENDER ERROR";
    }
}

```

```
slider.oninput = () => loadHD(slider.value);

init();
</script>

<script>

async function loadMiddayImages() {

    const loading = document.getElementById('loading');

    const slidesContainer = document.getElementById('slides');

    const dateLabel = document.getElementById('date-label');

    const prevBtn = document.getElementById('prev');

    const nextBtn = document.getElementById('next');

    let currentIndex = 0;

    let imagesData = [];

    loading.textContent = 'Loading...';

    try {

        const apiUrl = 'https://phenocam.nau.edu/api/middayimages/?site=goodwater';

        const response = await fetch(apiUrl);

        const data = await response.json();

        const totalCount = data.count;

        const daysToFetch = Math.min(365, totalCount);

        const offset = totalCount - daysToFetch;

        const fetchUrl = `${apiUrl}&offset=${offset}&limit=${daysToFetch}`;

        const imagesResponse = await fetch(fetchUrl);

        const fetchedData = await imagesResponse.json();
```

```
imagesData = fetchedData.results.reverse(); // Newest first

slidesContainer.innerHTML = ""; // Clear

imagesData.forEach((item, index) => {

    const slide = document.createElement('div');

    slide.style.flex = '0 0 100%';

    slide.style.height = '100%';

    slide.style.display = 'flex';

    slide.style.alignItems = 'center';

    slide.style.justifyContent = 'center';

    const img = document.createElement('img');

    img.src = `https://phenocam.nau.edu${item.imgpath}`;

    img.alt = `Midday image for ${item.imgdate}`;

    img.style.maxWidth = '100%';

    img.style.maxHeight = '100%';

    img.style.objectFit = 'contain';

    img.style.filter = 'contrast(1.1)';

    img.onerror = () => { img.src =
'https://via.placeholder.com/800x600/111111/00DFFF?text=IMAGE_OFFLINE'; };

    slide.appendChild(img);

    slidesContainer.appendChild(slide);

});
```

```

const showSlide = (index) => {
  slidesContainer.style.transform = `translateX(-${index * 100}%)`;
  dateLabel.textContent = imagesData[index].imgdate;
};

prevBtn.onclick = () => {
  currentIndex = (currentIndex > 0) ? currentIndex - 1 : imagesData.length - 1;
  showSlide(currentIndex);
};

nextBtn.onclick = () => {
  currentIndex = (currentIndex < imagesData.length - 1) ? currentIndex + 1 : 0;
  showSlide(currentIndex);
};

showSlide(currentIndex); // Show first slide
loading.style.display = 'none';
} catch (error) {
  loading.textContent = 'Error loading images. Check console or try reloading. If
persists, API may block embeds—use a CORS proxy.';
  console.error(error);
}
}
loadMiddayImages();
</script>

```