### Raw data

<table>
<thead>
<tr>
<th>Sample</th>
<th>805KCo.5Fe.5F3</th>
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</thead>
<tbody>
<tr>
<td>X-ray</td>
<td>Cu / 30 kV / 15 mA</td>
</tr>
<tr>
<td>File</td>
<td>805KCo.5Fe.5F3.raw</td>
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<tr>
<td>Goniometer</td>
<td>MiniFlex2 goniometer</td>
</tr>
<tr>
<td>Comment</td>
<td>4min 10-90 run</td>
</tr>
<tr>
<td>Attachment</td>
<td>Miniflex 6 sample changer</td>
</tr>
<tr>
<td>Date</td>
<td>November-17-09 13:29:52</td>
</tr>
<tr>
<td>Operator</td>
<td>hoff</td>
</tr>
<tr>
<td>Filter</td>
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</tr>
<tr>
<td>I.Monocho</td>
<td>Not used</td>
</tr>
<tr>
<td>C.Monocho</td>
<td>Fixed Monochromator</td>
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<tr>
<td>DivSlit +</td>
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<tr>
<td>RecSlit</td>
<td>0.3mm</td>
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<tr>
<td>SetSlit</td>
<td>1.25 deg.</td>
</tr>
<tr>
<td>Monochro RS</td>
<td>0.8mm</td>
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<tr>
<td>Counter</td>
<td>MiniFlex2 counter</td>
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<tr>
<td>Scan mode</td>
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<tr>
<td>Scan speed</td>
<td>20.000 deg./min.</td>
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<tr>
<td>Sampling width</td>
<td>0.020 deg.</td>
</tr>
<tr>
<td>Scan axis</td>
<td>2theta/theta</td>
</tr>
<tr>
<td>Scan range</td>
<td>10.000 -&gt; 90.000 deg.</td>
</tr>
<tr>
<td>Theta offset</td>
<td>0.000 deg.</td>
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</tbody>
</table>

#### Memo:

**X-ray:**

- **Counter:** MiniFlex2 counter
- **Scan mode:** Continuous
- **Scan speed:** 20.000 deg./min.
- **Sampling width:** 0.020 deg.
- **Scan axis:** 2theta/theta
- **Scan range:** 10.000 -> 90.000 deg.
- **Theta offset:** 0.000 deg.

**Intensity (cps)**

![Graph showing intensity vs. 2theta](image-url)
**Raw data, Smoothing, Background subtraction, Ka2 elimination**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample</strong></td>
<td>805KCo.5Fe.5F3</td>
</tr>
<tr>
<td><strong>File</strong></td>
<td>805KCo.5Fe.5F3.ra</td>
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<td><strong>Date</strong></td>
<td>November-17-09 13:29:52</td>
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<tr>
<td><strong>Operator</strong></td>
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</tr>
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<tr>
<td><strong>RecSlit</strong></td>
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<tr>
<td><strong>SctSlit</strong></td>
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### Smoothing
- **Smoothing Points**
- **Background subtraction**
  - **Peak max. width**
  - **Peak min. height**
- **Ka2 elimination**
  - **Intensity ratio (Ka2/Ka1):**

### Raw data

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<tr>
<th>Intensity (cps)</th>
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<tr>
<td>3000</td>
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<td>2000</td>
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### Smoothing

### Background subtraction

### Ka2 elimination
### Peak Search

<table>
<thead>
<tr>
<th>Sample</th>
<th>805KCo.5Fe.5F3</th>
<th>File</th>
<th>805KCo.5Fe.5F3.ra</th>
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<tr>
<td>Comment</td>
<td>4min 10-90 run</td>
<td>Memo</td>
<td></td>
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<td>Method</td>
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<td>Typical width</td>
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<td>Min. height</td>
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<table>
<thead>
<tr>
<th>2theta (deg.)</th>
<th>Intensity (cps)</th>
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<td>20.000</td>
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- Method: 2nd differential
- Typical width: 0.300 deg.
- Min. height: 150.00 cps
## Peak Search

**Sample**: 805KCo.5Fe.5F3  
**File**: 805KCo.5Fe.5F3.ra  
**Date**: November-17-09 13:29:52  
**Operator**: hoff  
**Comment**: 4min 10-90 run  
**Memo**:  
**Method**: 2nd differential  
**Typical width**: 0.300 deg.  
**Min. height**: 150.00 cps  
**Method**: 2nd differential  
**Typical width**: 0.300 deg.  
**Min. height**: 150.00 cps  

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