

**Legend:** ■ Negative □ Neutral ■ Positive

| True Label             | Predicted Label              | Attribution Label | Attribution Score | Word Importance   |
|------------------------|------------------------------|-------------------|-------------------|---|
| SurroundingEnvironment | <b>Normal (0.23)</b>         | Normal            | <b>0.84</b>       | [CLS] a<br>passenger<br>aircraft is<br>nearby .<br>[SEP]  |
| Normal                 | <b>Normal (0.23)</b>         | Normal            | <b>1.44</b>       | [CLS] fly with<br>caution [SEP]<br>[CLS] account  |
| Normal                 | <b>Normal (0.22)</b>         | Normal            | <b>-0.74</b>      | not logged in<br>. [SEP]<br>[CLS] flight<br>altitude and<br>distance<br>restricted to<br>nnn and nnn .<br>[SEP] |
| ParamViolation         | <b>ParamViolation (0.66)</b> | ParamViolation    | <b>2.28</b>       | [CLS] check   |
| Normal                 | <b>Normal (0.23)</b>         | Normal            | <b>1.31</b>       | and log in<br>[SEP]<br>[CLS]  |
| Normal                 | <b>Normal (0.23)</b>         | Normal            | <b>1.12</b>       | activetrack<br>flight paused<br>[SEP]   |
| Normal                 | <b>Normal (0.23)</b>         | Normal            | <b>1.05</b>       | [CLS] aircraft<br>activetrack<br>available at<br>max speed .<br>[SEP]   |
| Normal                 | <b>Normal (0.23)</b>         | Normal            | <b>0.37</b>       | [CLS]<br>obstacle<br>avoidance is<br>not available<br>[SEP]   |
| Normal                 | <b>Normal (0.23)</b>         | Normal            | <b>1.05</b>       | [CLS] aircraft<br>activetrack<br>available at<br>max speed .<br>[SEP]   |
| Normal                 | <b>Normal (0.23)</b>         | Normal            | <b>0.25</b>       | [CLS] when<br>exceeding<br>nnn , obstacle<br>avoidance is<br>not available<br>[SEP]                             |
|                        |                              |                   |                   | [CLS] aircraft  |

|                     |                                   |                     |              |   |
|---------------------|-----------------------------------|---------------------|--------------|---|
| Normal              | <b>Normal (0.23)</b>              | Normal              | <b>0.11</b>  | activetrack<br>max speed of<br>nnn and<br>obstacle<br>avoidance<br>functions<br>normally<br>[SEP] |
| HardwareFault       | <b>HardwareFault (0.55)</b>       | HardwareFault       | <b>2.44</b>  | [CLS] aircraft<br>core board<br>overheated<br>[SEP]   |
| Normal              | <b>Normal (0.23)</b>              | Normal              | <b>0.31</b>  | [CLS] aircraft<br>entered fixed<br>- wing mode .<br>[SEP]   |
| Normal              | <b>Normal (0.22)</b>              | Normal              | <b>-2.01</b> | [CLS] current<br>flight speed is<br>nnn . [SEP]   |
| Normal              | <b>Normal (0.23)</b>              | Normal              | <b>1.56</b>  | [CLS] press<br>c2 to exit<br>[SEP]  |
| Normal              | <b>Normal (0.23)</b>              | Normal              | <b>0.63</b>  | [CLS] aircraft<br>flight control<br>unlocked<br>[SEP]   |
| RegulationViolation | <b>RegulationViolation (0.78)</b> | RegulationViolation | <b>1.72</b>  | [CLS] aircraft<br>in restricted<br>zones . [SEP]  |
| Normal              | <b>Normal (0.23)</b>              | Normal              | <b>1.44</b>  | [CLS] check<br>map to find<br>recommended<br>zones [SEP]  |
| Normal              | <b>Normal (0.23)</b>              | Normal              | <b>0.67</b>  | [CLS] aircraft<br>is in attitude<br>mode , so that<br>it will not<br>hover . [SEP]                |
| Normal              | <b>Normal (0.23)</b>              | Normal              | <b>1.28</b>  | [CLS] please<br>fly with<br>caution .<br>[SEP]  |
| Normal              | <b>Normal (0.23)</b>              | Normal              | <b>1.38</b>  | [CLS] aircraft<br>is in tripod<br>mode . [SEP]  |
| Normal              | <b>Normal (0.23)</b>              | Normal              | <b>1.83</b>  | [CLS] exit<br>this mode and<br>try again  |

|                     |                            |                     |      |  |
|---------------------|----------------------------|---------------------|------|--|
|                     |                            |                     |      | [SEP]  |
| Normal              | Normal (0.23)              | Normal              | 1.73 | [CLS] aircraft<br>is returning<br>to the<br>starting point<br>[SEP]      |
| ParamViolation      | ParamViolation (0.68)      | ParamViolation      | 1.88 | [CLS] aircraft<br>out of range<br>[SEP]                                  |
| RegulationViolation | RegulationViolation (0.74) | RegulationViolation | 2.01 | [CLS]<br>approaching<br>a no - fly zone<br>. [SEP]                       |
| Normal              | Normal (0.23)              | Normal              | 1.66 | [CLS] rth may<br>be affected.<br>[SEP]                                   |
| Normal              | Normal (0.23)              | Normal              | 1.44 | [CLS] fly with<br>caution [SEP]  |
| Normal              | Normal (0.23)              | Normal              | 1.41 | [CLS] arrived<br>at start point<br>. [SEP]                               |
| Normal              | Normal (0.23)              | Normal              | 1.18 | [CLS] starting<br>waypoint<br>mission [SEP]                              |
| Normal              | Normal (0.23)              | Normal              | 1.61 | [CLS] auto<br>landing<br>initiated<br>[SEP]                              |
| Normal              | Normal (0.23)              | Normal              | 0.54 | [CLS]<br>auxiliary<br>bottom light<br>turned off<br>[SEP]                |
| SoftwareFault       | SoftwareFault (0.63)       | SoftwareFault       | 1.64 | [CLS] backward<br>obstacle<br>sensing is not<br>functioning.<br>[SEP]    |
| HardwareFault       | HardwareFault (0.55)       | HardwareFault       | 1.81 | [CLS] battery<br>cell broken ,<br>please<br>replace the<br>battery [SEP] |
| HardwareFault       | HardwareFault (0.54)       | HardwareFault       | 1.01 | [CLS] battery<br>error . [SEP]<br>[CLS] aircraft<br>returning to         |

|                               |                                  |                       |              |   |
|-------------------------------|----------------------------------|-----------------------|--------------|---|
| <b>Normal</b>                 | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.58</b>  | home<br>automatically<br>[SEP]  |
| <b>HardwareFault</b>          | <b>HardwareFault (0.54)</b>      | <b>HardwareFault</b>  | <b>1.91</b>  | [CLS] battery<br>power low .<br>[SEP]                                       |
| <b>Normal</b>                 | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.58</b>  | [CLS] check<br>battery status<br>and charge or<br>warm up<br>battery [SEP]  |
| <b>HardwareFault</b>          | <b>HardwareFault (0.48)</b>      | <b>HardwareFault</b>  | <b>1.38</b>  | [CLS] cache<br>space full<br>[SEP]  |
| <b>SurroundingEnvironment</b> | <b>SoftwareFault (0.62)</b>      | <b>SoftwareFault</b>  | <b>-1.10</b> | [CLS]<br>calibration<br>subject is too<br>close . [SEP]                     |
| <b>Normal</b>                 | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>0.40</b>  | [CLS]<br>recalibrate<br>using a<br>subject that is<br>farther away<br>[SEP] |
| <b>HardwareFault</b>          | <b>HardwareFault (0.53)</b>      | <b>HardwareFault</b>  | <b>1.90</b>  | [CLS] camera<br>busy , cannot<br>enter<br>playback<br>[SEP]                 |
| <b>SoftwareFault</b>          | <b>SoftwareFault (0.61)</b>      | <b>SoftwareFault</b>  | <b>1.02</b>  | [CLS] cannot<br>enable<br>intelligent<br>flight mode<br>[SEP]               |
| <b>HardwareFault</b>          | <b>HardwareFault (0.53)</b>      | <b>HardwareFault</b>  | <b>1.59</b>  | [CLS] low<br>battery [SEP]  |
| <b>SoftwareFault</b>          | <b>SoftwareFault (0.63)</b>      | <b>SoftwareFault</b>  | <b>1.33</b>  | [CLS] cannot<br>start return<br>to home due<br>to weak gps<br>signal [SEP]  |
| <b>SoftwareFault</b>          | <b>SoftwareFault (0.62)</b>      | <b>SoftwareFault</b>  | <b>1.15</b>  | [CLS] cannot<br>start self -<br>timer . [SEP]                               |
| <b>SoftwareFault</b>          | <b>ParamViolation<br/>(0.47)</b> | <b>ParamViolation</b> | <b>-0.74</b> | [CLS]<br>exposure time<br>is too long<br>[SEP]                              |

|                               |                             |                      |              |   |
|-------------------------------|-----------------------------|----------------------|--------------|---|
| <b>SoftwareFault</b>          | <b>SoftwareFault (0.62)</b> | <b>SoftwareFault</b> | <b>1.03</b>  | [CLS] cannot switch flight mode . [SEP]   |
| <b>Normal</b>                 | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>1.83</b>  | [CLS] turn on " multiple flight modes " to enable atti and sport modes . [SEP]        |
| <b>SoftwareFault</b>          | <b>SoftwareFault (0.60)</b> | <b>SoftwareFault</b> | <b>1.05</b>  | [CLS] cannot track subject [SEP]  |
| <b>SurroundingEnvironment</b> | <b>SoftwareFault (0.56)</b> | <b>SoftwareFault</b> | <b>-1.03</b> | [CLS] no image [SEP]  |
| <b>Normal</b>                 | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>1.33</b>  | [CLS] please retry [SEP]  |
| <b>SoftwareFault</b>          | <b>SoftwareFault (0.60)</b> | <b>SoftwareFault</b> | <b>1.05</b>  | [CLS] cannot track subject [SEP]  |
| <b>SurroundingEnvironment</b> | <b>SoftwareFault (0.60)</b> | <b>SoftwareFault</b> | <b>-0.99</b> | [CLS] subject too large [SEP]   |
| <b>Normal</b>                 | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>1.77</b>  | [CLS] move away and retry [SEP]   |
| <b>Normal</b>                 | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>2.02</b>  | [CLS] color display in the liveview has been enhanced . [SEP]                         |
| <b>Normal</b>                 | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>2.27</b>  | [CLS] videos and photos will still be shot in d - log mode [SEP]                      |
| <b>HardwareFault</b>          | <b>HardwareFault (0.54)</b> | <b>HardwareFault</b> | <b>1.62</b>  | [CLS] compass abnormal . [SEP]  |
| <b>Normal</b>                 | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>0.10</b>  | [CLS] solution : 1 . ensure there are no magnets or metal objects near the aircraft . |

[SEP]

|                        |                                      |                               |             |  |
|------------------------|--------------------------------------|-------------------------------|-------------|--|
| Normal                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>1.42</b> | [CLS] the<br>ground or<br>walls may<br>contain metal<br>. [SEP]  |
| Normal                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>1.36</b> | [CLS] move<br>away from<br>sources of<br>interference<br>before<br>attempting<br>flight . [SEP]<br>[CLS] 2.<br>calibrate |
| Normal                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>1.51</b> | compass<br>before takeoff<br>[SEP]<br>[CLS]  |
| HardwareFault          | <b>HardwareFault (0.53)</b>          | <b>HardwareFault</b>          | <b>0.98</b> | compass<br>error [SEP]<br>[CLS]<br>compass<br>error ,<br>calibration<br>required<br>[SEP]<br>[CLS]                       |
| HardwareFault          | <b>HardwareFault (0.36)</b>          | <b>HardwareFault</b>          | <b>1.22</b> | [CLS]  |
| HardwareFault          | <b>HardwareFault (0.54)</b>          | <b>HardwareFault</b>          | <b>1.19</b> | compass<br>error . [SEP]<br>[CLS]  |
| HardwareFault          | <b>HardwareFault (0.54)</b>          | <b>HardwareFault</b>          | <b>1.19</b> | compass<br>error . [SEP]<br>[CLS]  |
| HardwareFault          | <b>HardwareFault (0.53)</b>          | <b>HardwareFault</b>          | <b>1.51</b> | compass<br>disconnected<br>[SEP]<br>[CLS]  |
| HardwareFault          | <b>HardwareFault (0.54)</b>          | <b>HardwareFault</b>          | <b>1.19</b> | compass<br>error . [SEP]<br>[CLS]  |
| SurroundingEnvironment | <b>SurroundingEnvironment (0.63)</b> | <b>SurroundingEnvironment</b> | <b>1.45</b> | magnetic<br>filed<br>interference .<br>[SEP]<br>[CLS] exit p -<br>gps mode<br>[SEP]                                      |
| Normal                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>1.60</b> |  |

|                      |                             |                      |              |  |
|----------------------|-----------------------------|----------------------|--------------|--|
| <b>SoftwareFault</b> | <b>HardwareFault (0.53)</b> | <b>HardwareFault</b> | <b>-0.10</b> | [CLS]<br>compass<br>initialization<br>failed. [SEP]          |
| <b>Normal</b>        | <b>Normal (0.22)</b>        | <b>Normal</b>        | <b>0.46</b>  | [CLS] restart<br>aircraft [SEP]                              |
| <b>HardwareFault</b> | <b>HardwareFault (0.55)</b> | <b>HardwareFault</b> | <b>1.95</b>  | [CLS] critical<br>low battery .<br>[SEP]                     |
| <b>Normal</b>        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>1.27</b>  | [CLS] aircraft<br>in auto power<br>off protection<br>. [SEP] |
| <b>Normal</b>        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>1.87</b>  | [CLS] forced<br>landing in<br>progress<br>[SEP]              |
| <b>HardwareFault</b> | <b>HardwareFault (0.55)</b> | <b>HardwareFault</b> | <b>1.95</b>  | [CLS] critical<br>low battery .<br>[SEP]                     |
| <b>Normal</b>        | <b>Normal (0.22)</b>        | <b>Normal</b>        | <b>0.84</b>  | [CLS] aircraft<br>landing<br>automatically<br>[SEP]          |
| <b>HardwareFault</b> | <b>HardwareFault (0.55)</b> | <b>HardwareFault</b> | <b>1.95</b>  | [CLS] critical<br>low battery .<br>[SEP]                     |
| <b>Normal</b>        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>1.88</b>  | [CLS] return<br>to home or<br>land promptly<br>[SEP]         |
| <b>HardwareFault</b> | <b>HardwareFault (0.54)</b> | <b>HardwareFault</b> | <b>2.01</b>  | [CLS]<br>critically low<br>power . [SEP]                     |
| <b>Normal</b>        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>0.72</b>  | [CLS] aircraft<br>is landing<br>[SEP]                        |
| <b>HardwareFault</b> | <b>HardwareFault (0.54)</b> | <b>HardwareFault</b> | <b>2.01</b>  | [CLS] critically low<br>power . [SEP]                        |
| <b>Normal</b>        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>0.63</b>  | [CLS] aircraft<br>landing .<br>[SEP]                         |
| <b>Normal</b>        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>0.63</b>  | [CLS] aircraft<br>landing .<br>[SEP]                         |
|                      |                             |                      |              | [CLS] throttle<br>up to reduce                               |

|               |                             |               |             |   |
|---------------|-----------------------------|---------------|-------------|---|
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>1.01</b> | the speed of descent and use sticks to avoid obstacles [SEP] [CLS] critically low |
| HardwareFault | <b>HardwareFault (0.55)</b> | HardwareFault | <b>1.74</b> | voltage warning . [SEP]   |
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>0.58</b> | [CLS] aircraft will be forced to land [SEP] [CLS] critically low voltage . [SEP]  |
| HardwareFault | <b>HardwareFault (0.55)</b> | HardwareFault | <b>1.99</b> | [CLS] aircraft will land [SEP]  |
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>0.87</b> | [CLS] data recorder file index is 15 . [SEP]                                      |
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>1.06</b> | [CLS] data recorder file index is 17 . [SEP]                                      |
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>1.07</b> | [CLS] data recorder file index is 30 . [SEP]                                      |
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>1.12</b> | [CLS] data recorder file index is 45 . [SEP]                                      |
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>1.00</b> | [CLS] data recorder file index is 46 . [SEP]                                      |
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>0.96</b> | [CLS] data recorder file index is 65 . [SEP]                                      |
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>0.91</b> | [CLS] disable sd card read and write  |
| Normal        | <b>Normal (0.23)</b>        | Normal        | <b>1.43</b> |   |

|                               |  |                               |              |   |
|-------------------------------|--|-------------------------------|--------------|---|
|                               |  |                               |              | protection or<br>change card<br>[SEP]                                     |
| <b>CommunicationIssue</b>     | <b>CommunicationIssue<br/>(0.78)</b>     | <b>CommunicationIssue</b>     | <b>1.67</b>  | [CLS]<br>downlink lost<br>. [SEP]   |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                     | <b>Normal</b>                 | <b>1.12</b>  | [CLS]<br>downlink<br>restored ( [SEP]<br>after 0m 2 .<br>9s ) . [SEP]     |
| <b>Normal</b>                 | <b>HardwareFault (0.50)</b>              | <b>HardwareFault</b>          | <b>-1.62</b> | [CLS] drone<br>is vibrating<br>[SEP]                                      |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                     | <b>Normal</b>                 | <b>1.65</b>  | [CLS] entered<br>cruise control<br>mode . [SEP]                           |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                     | <b>Normal</b>                 | <b>1.81</b>  | [CLS] press<br>c1 or c2 to<br>exit [SEP]                                  |
| <b>ParamViolation</b>         | <b>ParamViolation<br/>(0.61)</b>         | <b>ParamViolation</b>         | <b>1.84</b>  | [CLS]<br>excessive<br>attitude angle<br>detected<br>[SEP]                 |
| <b>SoftwareFault</b>          | <b>SoftwareFault (0.61)</b>              | <b>SoftwareFault</b>          | <b>1.85</b>  | [CLS] forward<br>obstacle<br>avoidance has<br>stopped<br>working<br>[SEP] |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                     | <b>Normal</b>                 | <b>1.45</b>  | [CLS] exit<br>backward<br>sensing<br>system [SEP]                         |
| <b>SurroundingEnvironment</b> | <b>SurroundingEnvironment<br/>(0.64)</b> | <b>SurroundingEnvironment</b> | <b>1.63</b>  | [CLS]<br>ambient light<br>is too weak<br>[SEP]                            |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                     | <b>Normal</b>                 | <b>1.56</b>  | [CLS] exited<br>visual<br>avoidance<br>system .<br>[SEP]                  |
| <b>SoftwareFault</b>          | <b>SoftwareFault (0.62)</b>              | <b>SoftwareFault</b>          | <b>1.13</b>  | [CLS] exiting<br>gps mode :<br>unknown<br>error [SEP]                     |

|                       |                                  |                       |              |   |
|-----------------------|----------------------------------|-----------------------|--------------|---|
| <b>ParamViolation</b> | <b>ParamViolation<br/>(0.70)</b> | <b>ParamViolation</b> | <b>1.63</b>  | [CLS] extra<br>payload<br>detected .<br>[SEP]   |
| <b>Normal</b>         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.42</b>  | [CLS] flight<br>performance<br>will be<br>affected .<br>[SEP]                                 |
| <b>Normal</b>         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.44</b>  | [CLS] fly with<br>caution [SEP]   |
| <b>SoftwareFault</b>  | <b>SoftwareFault (0.63)</b>      | <b>SoftwareFault</b>  | <b>1.48</b>  | [CLS] forward<br>obstacle<br>sensing is not<br>functioning .<br>[SEP]                         |
| <b>SoftwareFault</b>  | <b>SoftwareFault (0.62)</b>      | <b>SoftwareFault</b>  | <b>1.57</b>  | [CLS] forward<br>obstacle<br>sensing not<br>responding<br>[SEP]                               |
| <b>HardwareFault</b>  | <b>HardwareFault (0.55)</b>      | <b>HardwareFault</b>  | <b>1.85</b>  | [CLS] gimbal<br>motor<br>overloaded .<br>[SEP]  |
| <b>Normal</b>         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.60</b>  | [CLS] check<br>whether<br>gimbal can<br>rotate freely<br>[SEP]                                |
| <b>HardwareFault</b>  | <b>HardwareFault (0.55)</b>      | <b>HardwareFault</b>  | <b>1.99</b>  | [CLS] gimbal<br>pitch limit<br>reached .<br>[SEP]   |
| <b>Normal</b>         | <b>Normal (0.22)</b>             | <b>Normal</b>         | <b>-0.05</b> | [CLS] ground<br>plain . [SEP]   |
| <b>Normal</b>         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>0.71</b>  | [CLS] safe to<br>land . [SEP]   |
| <b>ParamViolation</b> | <b>ParamViolation<br/>(0.59)</b> | <b>ParamViolation</b> | <b>1.63</b>  | [CLS] high<br>altitude .<br>[SEP]   |
| <b>Normal</b>         | <b>HardwareFault (0.42)</b>      | <b>HardwareFault</b>  | <b>-1.52</b> | [CLS] aircraft<br>braking<br>distance<br>increased and<br>flight time<br>decreased .<br>[SEP] |

|                               |                                      |                               |              |   |
|-------------------------------|--------------------------------------|-------------------------------|--------------|---|
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>1.44</b>  | [CLS] fly with<br>caution [SEP]   |
| <b>SurroundingEnvironment</b> | <b>SurroundingEnvironment (0.64)</b> | <b>SurroundingEnvironment</b> | <b>1.66</b>  | [CLS] high<br>wind velocity<br>. [SEP]  |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>0.77</b>  | [CLS] ensure<br>the aircraft<br>remains<br>within your<br>line of sight<br>and fly with<br>caution .<br>[SEP] |
| <b>SurroundingEnvironment</b> | <b>SurroundingEnvironment (0.64)</b> | <b>SurroundingEnvironment</b> | <b>1.66</b>  | [CLS] high<br>wind velocity<br>. [SEP]  |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>0.77</b>  | [CLS] ensure<br>the aircraft<br>remains<br>within your<br>line of sight<br>and fly with<br>caution .<br>[SEP] |
| <b>SurroundingEnvironment</b> | <b>SurroundingEnvironment (0.64)</b> | <b>SurroundingEnvironment</b> | <b>1.66</b>  | [CLS] high<br>wind velocity<br>. [SEP]  |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>2.31</b>  | [CLS] fly with<br>caution and<br>land in a safe<br>place asap .<br>[SEP]                                      |
| <b>Normal</b>                 | <b>ParamViolation (0.55)</b>         | <b>ParamViolation</b>         | <b>-1.94</b> | [CLS] high -<br>altitude flight<br>[SEP]  |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>1.44</b>  | [CLS] fly with<br>caution [SEP]   |
| <b>Normal</b>                 | <b>Normal (0.21)</b>                 | <b>Normal</b>                 | <b>-0.06</b> | [CLS] aircraft<br>braking<br>distance is<br>extended<br>[SEP]   |
| <b>Normal</b>                 | <b>ParamViolation (0.56)</b>         | <b>ParamViolation</b>         | <b>-2.00</b> | [CLS] flight<br>time is<br>shortened .<br>[SEP]   |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>0.93</b>  | [CLS] home  |

|                |                                  |                       |              |                     |
|----------------|----------------------------------|-----------------------|--------------|---------------------|
|                |                                  |                       |              | point updated       |
|                |                                  |                       |              | . [SEP]             |
|                |                                  |                       |              | [CLS] imu           |
|                |                                  |                       |              | attitude            |
|                |                                  |                       |              | restricted .        |
|                |                                  |                       |              | [SEP]               |
|                |                                  |                       |              | [CLS] ensure        |
| ParamViolation | <b>ParamViolation<br/>(0.40)</b> | <b>ParamViolation</b> | <b>1.29</b>  | aircraft is         |
| Normal         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>0.84</b>  | level [SEP]         |
| SoftwareFault  | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>-0.63</b> | [CLS] imu not       |
| Normal         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.82</b>  | calibrated .        |
| Normal         | <b>SoftwareFault (0.22)</b>      | <b>SoftwareFault</b>  | <b>-0.37</b> | [SEP]               |
| Normal         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.56</b>  | [CLS] calibrate imu |
| Normal         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>0.63</b>  | [SEP]               |
| Normal         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>0.92</b>  | [CLS] landing       |
| Normal         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.38</b>  | gear function       |
| Normal         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>-2.17</b> | restored            |
| Normal         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.44</b>  | [SEP]               |
| HardwareFault  | <b>HardwareFault (0.54)</b>      | <b>HardwareFault</b>  | <b>1.71</b>  | [CLS] landing       |
| Normal         | <b>Normal (0.23)</b>             | <b>Normal</b>         | <b>1.55</b>  | gear paused .       |
| HardwareFault  | <b>HardwareFault (0.54)</b>      | <b>HardwareFault</b>  | <b>1.71</b>  | [SEP]               |
|                |                                  |                       |              | gear raising .      |
|                |                                  |                       |              | [CLS] home          |
|                |                                  |                       |              | point               |
|                |                                  |                       |              | recorded            |
|                |                                  |                       |              | [SEP]               |
|                |                                  |                       |              | [CLS] live          |
|                |                                  |                       |              | stream video        |
|                |                                  |                       |              | frame rate          |
|                |                                  |                       |              | less than 9hz       |
|                |                                  |                       |              | . [SEP]             |
|                |                                  |                       |              | [CLS] fly with      |
|                |                                  |                       |              | caution [SEP]       |
|                |                                  |                       |              | [CLS] low           |
|                |                                  |                       |              | power . [SEP]       |
|                |                                  |                       |              | [CLS] aircraft      |
|                |                                  |                       |              | is returning        |
|                |                                  |                       |              | to the home         |
|                |                                  |                       |              | point . [SEP]       |
|                |                                  |                       |              | [CLS] low           |
|                |                                  |                       |              | power . [SEP]       |

|                               |                                      |                               |             |  |
|-------------------------------|--------------------------------------|-------------------------------|-------------|--|
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>0.88</b> | [CLS]<br>returning<br>home . [SEP]   |
| <b>SurroundingEnvironment</b> | <b>SurroundingEnvironment (0.63)</b> | <b>SurroundingEnvironment</b> | <b>1.45</b> | [CLS]<br>magnetic<br>filed<br>interference .<br>[SEP]                                  |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>1.26</b> | [CLS] exit p -<br>gps mode .<br>[SEP]  |
| <b>HardwareFault</b>          | <b>HardwareFault (0.54)</b>          | <b>HardwareFault</b>          | <b>2.16</b> | [CLS] yaw<br>error . [SEP]   |
| <b>SurroundingEnvironment</b> | <b>SurroundingEnvironment (0.56)</b> | <b>SurroundingEnvironment</b> | <b>0.97</b> | [CLS]<br>manned<br>aircraft<br>detected<br>nearby .<br>[SEP]                           |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>1.44</b> | [CLS] fly with<br>caution [SEP]  |
| <b>ParamViolation</b>         | <b>ParamViolation (0.58)</b>         | <b>ParamViolation</b>         | <b>0.95</b> | [CLS] max<br>altitude<br>approached .<br>[SEP]   |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>0.50</b> | [CLS] wait for<br>the gps<br>satellite<br>signal<br>recovery<br>before ascend<br>[SEP] |
| <b>ParamViolation</b>         | <b>ParamViolation (0.70)</b>         | <b>ParamViolation</b>         | <b>2.12</b> | [CLS] max<br>flight altitude<br>reached .<br>[SEP]                                     |
| <b>Normal</b>                 | <b>Normal (0.23)</b>                 | <b>Normal</b>                 | <b>1.56</b> | [CLS] adjust<br>in main<br>controller<br>settings if<br>necessary<br>[SEP]             |
| <b>ParamViolation</b>         | <b>ParamViolation (0.70)</b>         | <b>ParamViolation</b>         | <b>2.04</b> | [CLS] max<br>flight<br>distance<br>reached .<br>[SEP]                                  |
|                               |                                      |                               |             | [CLS] adjust   |

|                       |                              |                       |              |   |
|-----------------------|------------------------------|-----------------------|--------------|---|
| <b>Normal</b>         | <b>Normal (0.23)</b>         | <b>Normal</b>         | <b>1.45</b>  | in main controller settings if necessary . [SEP]  |
| <b>ParamViolation</b> | <b>ParamViolation (0.70)</b> | <b>ParamViolation</b> | <b>2.11</b>  | [CLS] maximum flight distance reached . [SEP]   |
| <b>Normal</b>         | <b>Normal (0.23)</b>         | <b>Normal</b>         | <b>1.23</b>  | [CLS] adjust the distance in mc settings if required . [SEP]  |
| <b>HardwareFault</b>  | <b>HardwareFault (0.53)</b>  | <b>HardwareFault</b>  | <b>1.86</b>  | [CLS] mobile device cpu fully loaded . [SEP]  |
| <b>Normal</b>         | <b>Normal (0.23)</b>         | <b>Normal</b>         | <b>1.50</b>  | [CLS] related performance will be affected . [SEP]  |
| <b>SoftwareFault</b>  | <b>SoftwareFault (0.23)</b>  | <b>SoftwareFault</b>  | <b>-0.02</b> | [CLS] mobile device version too old to support hd image transmission and the image transmission mode has been switch to normal mode . [SEP] |
| <b>Normal</b>         | <b>Normal (0.23)</b>         | <b>Normal</b>         | <b>0.19</b>  | [CLS] motor is blocked . [SEP]  |
| <b>HardwareFault</b>  | <b>HardwareFault (0.54)</b>  | <b>HardwareFault</b>  | <b>1.49</b>  | [CLS] motor stuck . [SEP]   |
| <b>Normal</b>         | <b>Normal (0.23)</b>         | <b>Normal</b>         | <b>1.96</b>  | [CLS] check for objects blocking motor or contact dji support for   |

|               |                             |                      |              |  |
|---------------|-----------------------------|----------------------|--------------|--|
|               |                             |                      |              | assistance   |
|               |                             |                      |              | [SEP]  |
| Normal        | <b>HardwareFault (0.52)</b> | <b>HardwareFault</b> | <b>-1.87</b> | [CLS] motors<br>started .<br>[SEP]                             |
| SoftwareFault | <b>SoftwareFault (0.61)</b> | <b>SoftwareFault</b> | <b>1.69</b>  | [CLS] no gps<br>signal . [SEP]                                 |
| Normal        | <b>HardwareFault (0.55)</b> | <b>HardwareFault</b> | <b>-1.25</b> | [CLS] aircraft<br>unable to<br>hover . [SEP]                   |
| Normal        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>1.44</b>  | [CLS] fly with<br>caution [SEP]                                |
| SoftwareFault | <b>SoftwareFault (0.61)</b> | <b>SoftwareFault</b> | <b>1.69</b>  | [CLS] no gps<br>signal . [SEP]                                 |
| Normal        | <b>HardwareFault (0.55)</b> | <b>HardwareFault</b> | <b>-1.33</b> | [CLS] unable<br>to hover .<br>[SEP]                            |
| Normal        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>1.44</b>  | [CLS] fly with<br>caution [SEP]                                |
| Normal        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>0.73</b>  | [CLS]<br>obstacle<br>avoidance<br>disabled .<br>[SEP]          |
| Normal        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>0.74</b>  | [CLS] landing<br>gear lowered<br>. [SEP]                       |
| Normal        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>0.73</b>  | [CLS]<br>obstacle<br>avoidance<br>disabled .<br>[SEP]          |
| Normal        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>0.73</b>  | [CLS]<br>obstacle<br>avoidance<br>disabled .<br>[SEP]          |
| Normal        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>0.74</b>  | [CLS] landing<br>gear lowered<br>. [SEP]                       |
| Normal        | <b>Normal (0.23)</b>        | <b>Normal</b>        | <b>1.46</b>  | [CLS]<br>obstacle<br>avoidance has<br>been disabled<br>. [SEP] |
| Normal        | <b>Normal (0.22)</b>        | <b>Normal</b>        | <b>1.02</b>  | [CLS]<br>precision   |

|                        |                                      |                        |             |   |
|------------------------|--------------------------------------|------------------------|-------------|---|
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.86</b> | landing [SEP]<br>[CLS]<br>quickshot has<br>ended [SEP]                          |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>2.40</b> | [CLS]<br>recenter<br>gimbal pan<br>[SEP]  |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>0.31</b> | [CLS]<br>rectifying<br>aircraft<br>position [SEP]                               |
| SurroundingEnvironment | <b>SurroundingEnvironment (0.63)</b> | SurroundingEnvironment | <b>1.86</b> | [CLS] remote<br>controller in<br>high<br>interference<br>environment .<br>[SEP] |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.84</b> | [CLS]<br>manually<br>adjust flight<br>route or<br>return to<br>home [SEP]       |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.14</b> | [CLS] return -<br>to - home<br>altitude : 65ft<br>[SEP]                         |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>0.90</b> | [CLS] return -<br>to - home<br>altitude : 98ft<br>. [SEP]                       |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.63</b> | [CLS] rth :<br>ascending to<br>rth altitude .<br>[SEP]                          |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.58</b> | [CLS] rth :<br>heading<br>alignment .<br>[SEP]                                  |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.12</b> | [CLS] rth<br>altitude : 65ft<br>. [SEP]   |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.20</b> | [CLS] rth<br>altitude : 98ft<br>. [SEP]   |
| CommunicationIssue     | <b>CommunicationIssue (0.78)</b>     | CommunicationIssue     | <b>1.42</b> | [CLS] signal  |

|                        |                                      |                        |             |  |
|------------------------|--------------------------------------|------------------------|-------------|--|
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.74</b> | lost . [SEP]<br>[CLS] aircraft<br>returning to<br>home point<br>[SEP]                |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.64</b> | [CLS] sprayer<br>turned on<br>[SEP]  |
| SurroundingEnvironment | <b>SurroundingEnvironment (0.63)</b> | SurroundingEnvironment | <b>1.48</b> | [CLS] strong<br>wind warning<br>. [SEP]  |
| SoftwareFault          | <b>SoftwareFault (0.63)</b>          | SoftwareFault          | <b>1.22</b> | [CLS] aircraft<br>unable to<br>return to<br>home<br>automatically<br>. [SEP]         |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.89</b> | [CLS] lower<br>altitude<br>immediately<br>and return to<br>home<br>manually<br>[SEP] |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.60</b> | [CLS]<br>switched to s<br>( sport ) -<br>mode . [SEP]                                |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>0.99</b> | [CLS]<br>switched to t<br>( tripod ) -<br>mode . [SEP]                               |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>2.13</b> | [CLS] take off<br>in p - mode<br>[SEP]   |
| SoftwareFault          | <b>HardwareFault (0.47)</b>          | HardwareFault          | <b>0.01</b> | [CLS] vision<br>sensor error.<br>[SEP]   |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.80</b> | [CLS] contact<br>dji support<br>for assistance<br>[SEP]                              |
| Normal                 | <b>Normal (0.23)</b>                 | Normal                 | <b>1.71</b> | [CLS] vision<br>systems and<br>obstacle<br>avoidance<br>disabled<br>[SEP]            |

|                     |                                   |                            |             |  |
|---------------------|-----------------------------------|----------------------------|-------------|--|
| Normal              | <b>Normal (0.23)</b>              | Normal                     | <b>1.25</b> | [CLS]<br>waypoint<br>mission<br>paused [SEP]   |
| SoftwareFault       | <b>SoftwareFault (0.61)</b>       | <b>SoftwareFault</b>       | <b>1.66</b> | [CLS] weak<br>gps signal .<br>[SEP]  |
| Normal              | <b>Normal (0.23)</b>              | Normal                     | <b>1.60</b> | [CLS] aircraft<br>is in attitude<br>mode and<br>hovering may<br>be unstable .<br>[SEP] |
| Normal              | <b>Normal (0.23)</b>              | Normal                     | <b>0.88</b> | [CLS] fly with<br>caution .<br>[SEP]   |
| CommunicationIssue  | <b>CommunicationIssue (0.78)</b>  | <b>CommunicationIssue</b>  | <b>1.45</b> | [CLS] weak<br>signal . [SEP]   |
| Normal              | <b>Normal (0.22)</b>              | Normal                     | <b>1.12</b> | [CLS] adjust<br>antennas<br>[SEP]  |
| RegulationViolation | <b>RegulationViolation (0.73)</b> | <b>RegulationViolation</b> | <b>2.43</b> | [CLS] your<br>aircraft is<br>flying in an<br>altitude zone<br>( nnn ) . [SEP]          |
| Normal              | <b>Normal (0.23)</b>              | Normal                     | <b>1.58</b> | [CLS] please<br>fly with<br>caution [SEP]  |