M155 Auto temp report

Feature Name: M155 Auto temperature report

Feature Name in Annotation: AUTO_REPORT_TEMPERATURES

Source of Information
Releaselog, pull requests, commits, ifdefs with feature annotation name

Strategy Used:
Feature is identified from the latest release log first. The release log also provides the pull request and commits linked to the feature (see the links and tables below), Ifdefs are also used for speeding up feature location.

Feature Release Version:1.1.0 – RC8

Time took to Identify and Locate the feature*: 0.1 hour
Time took to Understand the Implementation: 0.2 hour

Feature Description:
It can be useful for host software to track temperatures, display and graph them over time, but polling with M105 is less than optimal. With M155 hosts simply set an interval and Marlin will keep sending data automatically. This method is preferred over polling with M105

Feature Information and Statistics:

PR No.	Merged Time	PR	Commits	Files	Line Added	Line deleted
#5518	12 Nov 2016	Extended host support: M155 Auto temp report, M115 capabilities	1	19	128	0

Ratios of sources (%)

RL	PR	CM	Ifdef	DK	CC	SC	GD
50	20	15	15	0	0	0	0

RL: Release Log; **PR**: Pull Request; **CM**: Commit, **Ifdef**: Ifdef Expression; **DK**: Domain Knowledge; **CC**: Code Comment; **SC**: Source Code; **GD**: G-Code Documentation.

Pull Request Links:

https://github.com/MarlinFirmware/Marlin/commit/68b866b5dd177e8b6ef93ccb2c57d91dc5c

Feature Characteristics:

Feature Name	LoFC	SD	TD	Completely Wrapped by ifdef
M155 Auto temperature report	39	4	0	Yes