

The Silver Badge



It's as Easy as 1,2,3

1. An easy gain of 3,281 feet after release from tow
2. A 5 hour flight with no other objective
- 3. A straight distance flight from a start at release to a finish fix located at least 50 km from release and at least 50 km from the fix recorded at the beginning of the take-off roll.**



The Silver Badge: The N stands for the USA. Gulls represent the three tasks of the badge.

For each task:

You will need an Official Observer and, except for Duration Task, a flight recorder.

Who is an Official Observer? An Official Observer is a member of SSA, Hold at least an SSA B Badge, and has a working knowledge of the FAI Sporting Code as it pertains to gliders.

Release from tow at or below the maximum altitude permitted for the task (See each task below)...Mark the release from tow with a tight right turn, then complete the task.

After the flight, you and your Official Observer will fill out the SSA Application form and worksheet. Send the Application and worksheets, plus the .igc file from your flight recorder to the SSA. After SSA approval you will receive a letter of congratulations and your Silver Badge when all three tasks are completed.

ALTITUDE: The objective is to gain at least 3,281 feet from a low point occurring after release or engine stop. Establish a low point, then climb 3,281 feet.

DURATION: The objective is a flight of at least 5 hours after release from tow.

Flight recorder is not required if your Official Observer can certify the exact times of takeoff, release from tow and landing – AND that the entire flight was under continuous observation.

DISTANCE: A straight distance flight from a start at release to a finish fix located at least 50 km from release and at least 50 km from the fix recorded at the beginning of the take-off roll.

If using a landing point as the finish point, the altitude you may tow to is limited by the 1% rule. In this case release from tow or engine stop can be no higher than 1% of the distance flown added to the elevation of the finish point. For example, if you mean to fly no further than 50km (31.1 sm), you release from tow no higher than $(31.1\text{sm} \times 5,280' \times .01 =)$ 1,640 ft above the elevation of the finish point.



SSA Award Application

Submit by mail to:
SSA, PO Box 2100
Hobbs, NM 88241
Attn: Badge Claims

For any flight documented by approved data recorder, please attach both pages of a completed SSA Badge & Record Worksheet.

I. PILOT INFORMATION: *non-members please enclose \$20 fee for processing FAI badge claims*

(a) Pilot: _____ Date of Birth: _____ SSA Member #: _____
(b) Address: _____ City: _____ State: _____ Zip: _____
(c) E-mail: _____

II. PILOT CERTIFICATION: *I hereby certify this flight was conducted in accordance with the FAI Sporting Code, in compliance with all the glider manufacturer's and national operating limitations, and in accordance with national flight regulations respecting airspace use, night flight, etc. I apply for the award(s) checked below.*

Pilot Signature: _____ Date: _____

Altitude Claim(s):	Silver	Gold	Diamond	Symons Wave (\$40 fee applies)
Duration Claim:	Silver/Gold			
Distance Claim(s):	Silver	Gold	Diamond Goal	Diamond Distance
Diplome Claim:	750 km	1000 km	1250 km	Other Diplome: _____ km
Other Awards	Barringer Trophy		Century Award (Pilot age 20 or younger)	
<i>*See program rules</i>	<i>*State Record(s)</i>		<i>*SSA Distance Award (\$10 fee applies)</i>	

III. FLIGHT DATA SUMMARY

(a) Flight Date: _____ Is the aircraft a motor glider? YES NO
(b) Aircraft Make & Model: _____ N#: _____
(c) Take Off Site: _____ State: _____ Elevation: _____ MSL
(d) Time of release (or last motor glider Means of Propulsion use), Local time: _____
(e) Landing Site: _____ State: _____ Elevation: _____ MSL
(f) Landing time (end of the ground roll), Local time: _____

IV. OBSERVER CERTIFICATION: *Check ONE and complete:*

- ☐ GPS data supports this application; I provided supervision of this flight as required by Sporting Code Section 3, and have attached the SSA Badge & Record Worksheet I completed.
- ☐ This application is for Silver Duration only and I provided the continual attention required to confirm 5 hours were flown

OBSERVER'S NAME (please print) _____ SSA MEMBER #: _____

E-MAIL: _____

SIGNATURE: _____

SSA BADGE & RECORD WORKSHEET

COMPLETE ALL ITEMS use N/A for "Not Applicable."

The written declaration below is valid for all but World Records, if completed *and signed before takeoff* and, if using an IGC Approved Flight Recorder, *after* (1) turning the FR on; (2) entering an electronic task if desired - then leave the FR on!

PRE-FLIGHT DECLARATION & EQUIPMENT CHECK

FLIGHT DATE: _____ OO NAME: _____
PILOT NAME: _____ AIRCRAFT Make/Model: _____
IN-FLIGHT CREW: _____ AIRCRAFT Registration #: _____

OO: Complete for GPS Claim

1a. Recorder serial # & installation checked;
recorder sealed to the glider.

OR

2. Recorder serial # & installation checked and
aircraft continuously observed until takeoff.

TASK required for all distance flights except (1) Straight Distance from release to landing or Finish Fix; or (2) Free records

Way Point	Location Name	Latitude (DD:MM.mmm)	Longitude (DDD:MM.mmm)
1. Start Point	_____	____:____.____	____:____.____
2. Turn Point	_____	____:____.____	____:____.____
3. Turn Point	_____	____:____.____	____:____.____
4. Turn Point	_____	____:____.____	____:____.____
5. Finish Point	_____	____:____.____	____:____.____

Pre-Flight signatures are required, with date and time Certified by the OO

Pilot Signature: _____

Date & time of

OO Signature: _____ OO's Signature: _____

If START and FINISH points are selected post-flight:

	Location Name (if available)	Latitude (DD:MM.mmm)	Longitude (DDD:MM.mmm)
Start Point	_____	____:____.____	____:____.____
Finish Point	_____	____:____.____	____:____.____

POST-FLIGHT EQUIPMENT CHECK

OO: Check one of the following to verify:

1a. Recorder/aircraft seal applied during
pre-flight and verified intact post-flight.

OR

1b. If no pre-flight recorder check was done,
continuous observation was provided from
landing until the post flight installation check.

OO: Check each of the following to verify:

2. Performed or supervised download &
retained the original data file(s).

3. File security checked using proper software.

4. Take off & landing time(s) & location(s) confirmed.

FLIGHT DATE: _____

OO NAME: _____

PILOT NAME: _____ AIRCRAFT Registration #: _____

OFF-FIELD LANDING: Certification by 1 Observer or 2 other witnesses

As Needed

I hereby certify I witnessed the above pilot and aircraft at the date, time and location shown below:

Date: _____ Local Time: _____ Location: _____

Signature: _____ Signature: _____

Name: _____ Name: _____

Address: _____ Address: _____

OO CONFIRMATION OF TAKE OFF & LANDING TIMES & LOCATIONS

Required

Take off Time (Local): _____ Take off Site: _____

Take off Site Elevation MSL: _____ Nearest City: _____ State: _____

Confirmed by: _____ OO's Personal Observation _____ Soaring Site log _____ Witness _____

Landing Time (Local): _____ Landing Site: _____

Landing Site Elevation MSL: _____ Nearest City: _____ State: _____

Confirmed by: _____ OO's Personal Observation _____ Soaring Site log _____ Witness _____

CONFIRMATION OF RELEASE LOCATION

As Needed

Required if the time & location of release are not evident in R-recorded data. List the location as accurately as possible; if overhead at an airport, list published airport coordinates.

I hereby certify the following as the release location for the flight listed at the top of this page:

Latitude (DD:MM.mmm) ____:____.____ Longitude (DDD:MM.mmm) ____:____.____

Tow Pilot / Launch Supervisor Name: _____

Tow Pilot / Launch Supervisor Signature: _____

ALTITUDE EVALUATION

Required

Refer to the SSA Badge & Record Guide to find altitudes MSL, corrected for both instrument error and non-standard pressure

ALL CLAIMS: Release: _____ **ALTITUDE CLAIMS:** Low Point: _____ High Point: _____**DISTANCE CLAIMS:** Start Altitude: _____ Finish Altitude: _____**OO's Claim Submission Checklist**

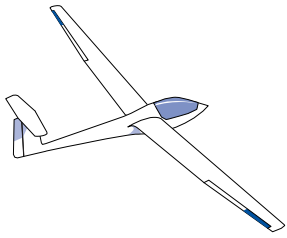
Required

- ☐ 1. Flight Recorder calibration is current
- ☐ 2. Recorded data proves soaring performance consistent with the Badge leg(s) and/or Record(s) sought
- ☐ 3. Materials submitted to SSA:
 - **BOTH pages of this worksheet**
 - **SSA Award Application** and, if applicable: record form(s), SSA Distance Award Application
 - Data recorded in flight (eg: CD, memory stick or memory card)
 - A copy of FR calibration data
 - The OO's written explanation for any unusual aspect of the flight or its documentation

THE 1% RULE

The 1% Rule applies only to the FAI Silver Badge (tow release heights are calculated differently for FAI Gold and Diamond Badge tasks). *For the Silver Distance task, you may lose no more height than 1% of the distance from the release point to the finish point. If using a landing point as the finish point, this means you must release from tow no higher than 1% of the distance flown added to the elevation of the finish point. The remainder of this section applies only if using a landing point as the finish point.* If you mean to complete the Silver Distance task with a flight of no more than 50 km (31.1 mi.), you must release from tow no higher than (31.1 mi. X 5,280 ft. X 0.01 =) 1,640 ft. above the elevation of the finish point.

If using a landing point as the finish point, the altitude you may tow to is limited by the 1% rule. In this case release from tow or engine stop can be no higher than 1% of the distance flown added to the elevation of the finish point. For example, if you mean to fly no further than 50km (31.1 sm), you release from tow no higher than (31.1sm X 5,280' X .01 =) 1,640 ft above the elevation of the finish point.

_____	DISTANCE (miles)	
X 5,280	(feet/mile)	
= _____	DISTANCE (feet)	
X 0.01	(1%)	
= _____	TOW HEIGHT (ABOVE FINISH ELEVATION)	
+	_____	ELEVATION (ft. msl) OF THE FINISH POINT
=	_____	MAX. TOW HEIGHT (ft. msl)