

ATIS²





Class: **B**



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Accordance with **EN standards 926-2:2005 & 926-1:1995:**

PG 007.2006
11.10.2006

Date of issue (D.M.Y):

MANUFACTURER: **SKY PARAGLIDERS a.s.**

MODEL: **ATIS 2 S**

Configuration during flight tests

Paraglider

Maximum total weight in flight:	80 kg
Minimum total weight in flight:	60 kg
Weight of the paraglider:	5 kg
Number of risers:	4
Projected area:	20.69 m²

Harness used for flight tests

Type:	ABS
Brand name:	Sky Paragliders
Model:	Axel M
Seat to lowest part of risers distance:	41 cm
Distance between top of connectors centerlines:	42 cm
For detailed information regarding harness settings used for flight tests, please refer to flight tests reports.	

Accessories

Range of the speed system:	15 cm	Range of trimmers:	No cm
Speed range using brakes:	14 km/h	Total speed range with accessories:	25 km/h

Inspections (whichever happens earlier) :

12 months or 100 flights


Serial no:

Warning ! before use refer to user 's manual.

Date of manufacturing:

Person or compagny having presented the glider for testing: **Alexandre Paux / CH-1066 Epalinges**

Conformity tests according to EN 926-2:2005 & EN 926-1:1999 standards carried out by:

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Flight test report

Manufacturer Sky Paragliders
Address Okružní 39, P.O.Box 61
 73911 Frýdlant nad Ostravicí
 Czech Republic
Representative Alexandre Paux
Type of glider Atis 2 S

Certification number PG 007.2006
Date of flight test 14.06.2006
Place of test Villeneuve



Classification B

Test Pilot Bernhard Stocker	Claude Thurnheer
Harness SupAir Evolution	Gin Genie 3
Total weight in flight 65 kg	80 kg

	Min weight		Max weight	
1. Inflation/Take-off				
Rising behaviour	Smooth, easy and constant rising	A	Smooth, easy and constant rising	A
Special take off technique required	No	A	No	A
2. Landing				
Special landing technique required	No	A	No	A
3. Speed in straight flight				
Trim speed more than 30 km/h	Yes	A	Yes	A
Speed range using the controls larger than 10 km/h	Yes	A	Yes	A
Minimum speed	Less than 25 km/h	A	Less than 25 km/h	A
4. Control movement				
<i>Max. weight in flight up to 80 kg</i> Symmetric control pressure/travel	Increasing, Greater than 55 cm	A	not available	0
<i>Max. weight in flight 80 kg to 100 kg</i> Symmetric control pressure/travel	not available	0	Increasing, Greater than 60 cm	A
<i>Max. weight in flight greater than 100 kg</i> Symmetric control pressure/travel	not available	0	not available	0
5. Pitch stability exiting accelerated flight				
Dive forward angle on exit	Dive forward less than 30°	A	Dive forward less than 30°	A
Collapse occurs	No	A	No	A
6. Pitch stability operating controls during accelerated flight				
Collapse occurs	No	A	No	A
7. Roll stability and damping				
Oscillations	Reducing	A	Reducing	A
8. Stability in gentle spirals				
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
9. Behaviour in a steeply banked turn				
Sink rate after two turns	More than 14 m/s	B	More than 14 m/s	B
10. Symmetric front collapse				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°, Keeping course	A	Dive forward 0° to 30°, Keeping course	A
Cascade occurs	No	A	No	A
<i>With accelerator</i>				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°, Keeping course	A	Dive forward 0° to 30°, Keeping course	A
Cascade occurs	No	A	No	A
11. Exiting deep stall (parachutal stall)				
Deep stall achieved	Yes	A	Yes	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A
12. High angle of attack recovery				
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
13. Recovery from a developed full stall				
Dive forward angle on exit	Dive forward 30° to 60°	B	Dive forward 30° to 60°	B
Collapse	No collapse	A	No collapse	A
Cascade occurs (other than collapse)	No	A	No	A
Rocking back	Less than 45°	A	Less than 45°	A
Line tension	Most line tight	A	Most line tight	A
14. Asymmetric collapse				
<i>With 50% collapse-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°	A	Less than 90°, Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 75% collapse-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	90° to 180°, Dive or roll angle 15° to 45°	B	Less than 90°, Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 50% collapse and accelerator-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	90° to 180°, Dive or roll angle 15° to 45°	B	Less than 90°, Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A

<i>With 75% collapse and accelerator-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	90° to 180°, Dive or roll angle 15° to 45°	B	90° to 180°, Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
15. Directional control with a maintained asymmetric collapse				
Able to keep course	Yes	A	Yes	A
180° turn away from the collapsed side possible in 10 s	Yes	A	Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency				
Spin occurs	No	A	No	A
17. Low speed spin tendency				
Spin occurs	No	A	No	A
18. Recovery from a developed spin				
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in less than 90°	A
Cascade occurs	No	A	No	A
19. B-line stall				
Change of course before release	Change of course less than 45°	A	Change of course less than 45°	A
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Cascade occurs	No	A	No	A
20. Big ears				
Entry procedure	Standard technique	A	Standard technique	A
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
21. Big ears in accelerated flight				
Entry procedure	Standard technique	A	Standard technique	A
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Behaviour exiting a steep spiral				
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
Turn angle to recover normal flight	Less than 720°,spontaneous recovery	A	Less than 720°,spontaneous recovery	A
Sink rate when evaluating spiral stability [m/s]	16 m/s		16 m/s	
23. Alternative means of directional control				
180° turn achievable in 20 s	Yes	A	Yes	A
Stall or spin occurs	No	A	No	A
24. Any other flight procedure and/or configuration described in the user's manual				
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
Comments of test pilot				
Comments	No		No	



Air Turquoise

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LOAD TEST REPORT EN 926-1:1995

The model describe hereafter is in conformity with the load and shock tests carried out by:
Air Turquoise, official test laboratory of Switzerland

Manufacturer:	Sky Paragliders
Model:	Atis 2
Type:	S
Maximum weight in flight:	99.8 kg

SHOCK TEST

750 daN

The model had no appearances damage to question whether it's airworthiness.

MECHANICAL RESISTANCE TEST

The model had been tested to 8G of it's total weight in flight during 5 sec.



Villeneuve, June 7th, 2006

Air Turquoise,

Alain Zoller / Randi Eriksen



Class: **B**



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Accordance with **EN standards 926-2:2005 & 926-1:1995:**

PG 002.2006
11.10.2006

Date of issue (D.M.Y):

MANUFACTURER: **SKY PARAGLIDERS a.s.**

MODEL: **ATIS 2 M**

Configuration during flight tests

Paraglider

Maximum total weight in flight:	95 kg
Minimum total weight in flight:	75 kg
Weight of the paraglider:	5.2 kg
Number of risers:	4
Projected area:	22.38 m²

Harness used for flight tests

Type:	ABS
Brand name:	Sky Paragliders
Model:	Revel L
Seat to lowest part of risers distance:	44 / 46 cm
Distance between top of connectors centerlines:	42 / 44 cm
For detailed information regarding harness settings used for flight tests, please refer to flight tests reports.	

Accessories

Range of the speed system:	15 cm	Range of trimmers:	No cm
Speed range using brakes:	14 km/h	Total speed range with accessories:	25 km/h

Inspections (whichever happens earlier) :

12 months or 100 flights

Serial no:

Warning ! before use refer to user 's manual.

Date of manufacturing:

Person or compagny having presented the glider for testing: **Alexandre Paux / CH-1066 Epalinges**

Conformity tests according to EN 926-2:2005 & EN 926-1:1999 standards carried out by:

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Flight test report

Manufacturer Sky Paragliders
Address Okružni 39, P.O.Box 61
 73911 Frydlant nad ostravici
 République Tchèque

Certification no
Date of flight test
Place

PG 002.2006
 04.05.2006
 Villeneuve



Representative Alexandre Paux
Type of glider Atis 2 M

Classification B

Test Pilot Bernhard Stocker
Harness Supair Evolution
Total weight in flight 75kg

Claude Thurnheer
 Genie III
 95 kg

	Min weight		Max weight	
1. Inflation/Take-off				
Rising behaviour	Smooth, easy and constant rising	A	Smooth, easy and constant rising	A
Special take off technique required	No	A	No	A
2. Landing				
Special landing technique required	No	A	No	A
3. Speed in straight flight				
Trim speed more than 30 km/h	Yes	A	Yes	A
Speed range using the controls larger than 10 km/h	Yes	A	Yes	A
Minimum speed	Less than 25 km/h	A	Less than 25 km/h	A
4. Control movement				
<i>Max. weight in flight up to 80 kg</i>				
Symmetric control pressure/travel	Increasing, Greater than 60 cm	A	not available	0
<i>Max. weight in flight 80 kg to 100 kg</i>				
Symmetric control pressure/travel	not available	0	Increasing, Greater than 60 cm	A
<i>Max. weight in flight greater than 100 kg</i>				
Symmetric control pressure/travel	not available	0	not available	0
5. Pitch stability exiting accelerated flight				
Dive forward angle on exit	Dive forward less than 30°	A	Dive forward less than 30°	A
Collaps occurs	No	A	No	A
6. Pitch stability operating controls during accelerated flight				
Collaps occurs	No	A	No	A
7. Roll stability and damping				
Oscillations	Reducing	A	Reducing	A
8. Stability in gentle spirals				
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
9. Behaviour in a steeply banked turn				
Sink rate after two turns	Up to 12m/s	A	More than 14 m/s	B
10. Symmetric front collapse				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°, Keeping course	A	Dive forward 0° to 30°, Keeping course	A
Cascade occurs	No	A	No	A
<i>With accelerator</i>				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°, Keeping course	A	Dive forward 0° to 30°, Keeping course	A
Cascade occurs	No	A	No	A
11. Exiting deep stall (parachutal stall)				
Deep stall achieved	Yes	A	Yes	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A
12. High angle of attach recovery				
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
13. Recovery from a developed full stall				
Dive forward angle on exit	Dive forward 30° to 60°	B	Dive forward 30° to 60°	B
Collapse	No collapse	A	No collapse	A
Cascade occurs (other than collapse)	No	A	No	A
Rocking back	Less than 45°	A	Less than 45°	A
Line tension	Most line tight	A	Most line tight	A
14. Asymmetric collapse				
<i>With 50% collapse-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°	A	Less than 90°, Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 75% collapse-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	90° to 180°, Dive or roll angle 15° to 45°	B	90° to 180°, Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 50% collapse and accelerator-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	90° to 180°, Dive or roll angle 15° to 45°	B	Less than 90°, Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A

Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 75% collapse and accelerator-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	90° to 180°, Dive or roll angle 15° to 45°	B	90° to 180°, Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
15. Directional control with a maintained asymmetric collapse				
Able to keep course	Yes	A	Yes	A
180° turn away from the collapsed side possible in 10 s	Yes	A	Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency				
Spin occurs	No	A	No	A
17. Low speed spin tendency				
Spin occurs	No	A	No	A
18. Recovery from a developed spin				
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in less than 90°	A
Cascade occurs	No	A	No	A
19. B-line stall				
Change of course before release	Change of course less than 45°	A	Change of course less than 45°	A
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Cascade occurs	No	A	No	A
20. Big ears				
Entry procedure	Standard technique	A	Standard technique	A
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
21. Big ears in accelerated flight				
Entry procedure	Standard technique	A	Standard technique	A
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Behaviour exiting a steep spiral				
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	Less than 720°, spontaneous recovery	A
Sink rate when evaluating spiral stability [m/s]	12 m/s		15 m/s	
23. Alternative means of directional control				
180° turn achievable in 20 s	Yes	A	Yes	A
Stall or spin occurs	No	A	No	A
24. Any other flight procedure and/or configuration described in the user's manual				
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
Comments of test pilot				
Comments		0		0



Air Turquoise

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CEN LOAD TESTS REPORT

The model describe hereafter is in conformity with the load and shock tests carried out by:
Air Turquoise, official test laboratory for Switzerland

Manufacturer:	Sky Paragliders
Model:	Atis 2
Type:	M
Maximum weight in flight:	176 kg

SHOCK TEST

600 daN

The model had no appearances damage to question whether it's airworthiness.

MECHANIACL RESISTANCE TEST

The model had been tested to 8G of it's total weight in flight during 5 sec.

Villeneuve, April 19th, 2006
AIR TURQUOISE,

Alain Zoller / Randi Eriksen





Class: **B**



www.sky-cz.com
info@sky-cz.com

Accordance with **EN standards 926-2:2005 & 926-1:1995:**

PG 003.2006
11.10.2006

Date of issue (D.M.Y):

MANUFACTURER: **SKY PARAGLIDERS a.s.**

MODEL: **ATIS 2 L**

Configuration during flight tests

Paraglider

Maximum total weight in flight:	110 kg
Minimum total weight in flight:	87 kg
Weight of the paraglider:	5.4 kg
Number of risers:	4
Projected area:	23.86 m²

Harness used for flight tests

Type:	ABS
Brand name:	Sky Paragliders
Model:	Axel XL
Seat to lowest part of risers distance:	45 cm
Distance between top of connectors centerlines:	46 cm
For detailed information regarding harness settings used for flight tests, please refer to flight tests reports.	

Accessories

Range of the speed system:	15 cm	Range of trimmers:	No cm
Speed range using brakes:	14 km/h	Total speed range with accessories:	25 km/h

Inspections (whichever happens earlier) :

12 months or 100 flights

Warning ! before use refer to user 's manual.

Serial no:

Date of manufacturing:

Person or compagny having presented the glider for testing: **Alexandre Paux / CH-1066 Epalinges**

Conformity tests according to EN 926-2:2005 & EN 926-1:1999 standards carried out by:

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Flight test report

Manufacturer Sky Paragliders
Address Okružni 39, P.O.Box 61
 73911 Frydlant nad ostravici
 République Tchèque

Certification no
Date of flight test
Place

PG 003.2006
 05.05.06
 Villeneuve



Representative Alexandre Paux
Type of glider Atis 2 L

Classification B

Test Pilot Claude Thurnheer
Harness Genie III
Total weight in flight 90 kg

Alain Zoller
 ABS - Sky Revel L
 110 kg

	Min weight		Max weight	
1. Inflation/Take-off				
Rising behaviour	Smooth, easy and constant rising	A	Smooth, easy and constant rising	A
Special take off technique required	No	A	No	A
2. Landing				
Special landing technique required	No	A	No	A
3. Speed in straight flight				
Trim speed more than 30 km/h	Yes	A	Yes	A
Speed range using the controls larger than 10 km/h	Yes	A	Yes	A
Minimum speed	Less than 25 km/h	A	25 km/h to 30 km/h	B
4. Control movement				
<i>Max. weight in flight up to 80 kg</i>				
Symmetric control pressure/travel	not available	0	not available	0
<i>Max. weight in flight 80 kg to 100 kg</i>				
Symmetric control pressure/travel	Increasing, Greater than 65 cm	A	not available	0
<i>Max. weight in flight greater than 100 kg</i>				
Symmetric control pressure/travel	not available	0	Increasing, Greater than 65 cm	A
5. Pitch stability exiting accelerated flight				
Dive forward angle on exit	Dive forward less than 30°	A	Dive forward less than 30°	A
Collaps occurs	No	A	No	A
6. Pitch stability operating controls during accelerated flight				
Collaps occurs	No	A	No	A
7. Roll stability and damping				
Oscillations	Reducing	A	Reducing	A
8. Stability in gentle spirals				
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
9. Behaviour in a steeply banked turn				
Sink rate after two turns	More than 14 m/s	B	More than 14 m/s	B
10. Symmetric front collapse				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°, Keeping course	A	Dive forward 0° to 30°, Keeping course	A
Cascade occurs	No	A	No	A
<i>With accelerator</i>				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°, Keeping course	A	Dive forward 0° to 30°, Keeping course	A
Cascade occurs	No	A	No	A
11. Exiting deep stall (parachutal stall)				
Deep stall achieved	Yes	A	Yes	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A
12. High angle of attach recovery				
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
13. Recovery from a developed full stall				
Dive forward angle on exit	Dive forward 30° to 60°	B	Dive forward 0° to 30°	A
Collapse	No collapse	A	No collapse	A
Cascade occurs (other than collapse)	No	A	No	A
Rocking back	Less than 45°	A	Less than 45°	A
Line tension	Most line tight	A	Most line tight	A
14. Asymmetric collapse				
<i>With 50% collapse-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°	A	Less than 90°, Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 75% collapse-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	90° to 180°, Dive or roll angle 15° to 45°	B	Less than 90°, Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 50% collapse and accelerator-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°	A	Less than 90°, Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A

Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 75% collapse and accelerator-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	90° to 180°, Dive or roll angle 15° to 45°	B	90° to 180°, Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
15. Directional control with a maintained asymmetric collapse				
Able to keep course	Yes	A	Yes	A
180° turn away from the collapsed side possible in 10 s	Yes	A	Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency				
Spin occurs	No	A	No	A
17. Low speed spin tendency				
Spin occurs	No	A	No	A
18. Recovery from a developed spin				
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in less than 90°	A
Cascade occurs	No	A	No	A
19. B-line stall				
Change of course before release	Change of course less than 45°	A	Change of course less than 45°	A
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Cascade occurs	No	A	No	A
20. Big ears				
Entry procedure	Standard technique	A	Standard technique	A
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
21. Big ears in accelerated flight				
Entry procedure	Standard technique	A	Standard technique	A
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Behaviour exiting a steep spiral				
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	Less than 720°, spontaneous recovery	A
Sink rate when evaluating spiral stability [m/s]	14 m/s		15 m/s	
23. Alternative means of directional control				
180° turn achievable in 20 s	Yes	A	Yes	A
Stall or spin occurs	No	A	No	A
24. Any other flight procedure and/or configuration described in the user's manual				
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
Comments of test pilot				
Comments		0		0



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LOAD TESTS REPORT

Date of the tests: **February 4th, 2006**
Glider: **SKY PARAGLIDERS**
Type: **ATIS 2 L**
Pilot weight: **⇒ 160 kg**

SHOCKS TESTS DHV 750 daN

Carried out: **Yes**

Broken? **No**



LOAD TEST

Carried out: **Yes**

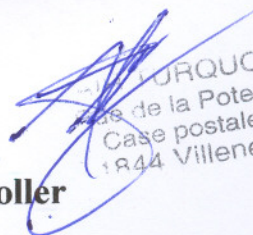
Broken? **No**



Villeneuve, February 4th, 2006

AIR TURQUOISE,

Alain Zoller


AIR TURQUOISE
Rue de la Poterlaz 6
Case postale 10
1844 Villeneuve



Class: **B**



www.sky-cz.com
info@sky-cz.com

Accordance with **EN standards 926-2:2005 & 926-1:1995:**

PG 008.2006
11.10.2006

Date of issue (D.M.Y):

MANUFACTURER: **SKY PARAGLIDERS a.s.**

MODEL: **ATIS 2 XL**

Configuration during flight tests

Paraglider

Maximum total weight in flight:	130 kg
Minimum total weight in flight:	105 kg
Weight of the paraglider:	5.7 kg
Number of risers:	4
Projected area:	25.80 m²

Harness used for flight tests

Type:	ABS
Brand name:	Sky Paragliders
Model:	Axel XL
Seat to lowest part of risers distance:	45 cm
Distance between top of connectors centerlines:	46 cm
For detailed information regarding harness settings used for flight tests, please refer to flight tests reports.	

Accessories

Range of the speed system:	15 cm	Range of trimmers:	No cm
Speed range using brakes:	14 km/h	Total speed range with accessories:	25 km/h

Inspections (whichever happens earlier) :

12 months or 100 flights


Serial no:

Warning ! before use refer to user 's manual.

Date of manufacturing:

Person or compagny having presented the glider for testing: **Alexandre Paux - CH-1066 Epalinges**

Conformity tests according to EN 926-2:2005 & EN 926-1:1999 standards carried out by:

	AIR TURQUOISE Rue de la Poterlaz, 6 Case postale 10 1844 Villeneuve Switzerland	AIR TURQUOISE Tel: 00-41 (0) 79 202 52 30 Fax: 00-41 (0) 21 965 65 66 email: info@airturquoise.ch www.cen.li
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Flight test report



Manufacturer Sky Paragliders
Address Okružní 39, P.O.Box 61
 73911 Frýdlant nad Ostravicí
 Czech Republic
Representative Alexandre Paux
Type of glider Atis 2 XL

Certification number PG 008.2006
Date of flight test 14.06.2006
Place of test Villeneuve

Classification B

Test Pilot	Claude Thurnheer	Alain Zoller
Harness	Gin Genie 3	SOL - Slider L
Total weight in flight	105 kg	130 kg

	Min weight		Max weight	
1. Inflation/Take-off				
Rising behaviour	Smooth, easy and constant rising	A	Smooth, easy and constant rising	A
Special take off technique required	No	A	No	A
2. Landing				
Special landing technique required	No	A	No	A
3. Speed in straight flight				
Trim speed more than 30 km/h	Yes	A	Yes	A
Speed range using the controls larger than 10 km/h	Yes	A	Yes	A
Minimum speed	Less than 25 km/h	A	25 km/h to 30 km/h	B
4. Control movement				
<i>Max. weight in flight up to 80 kg</i> Symmetric control pressure/travel	not available	0	not available	0
<i>Max. weight in flight 80 kg to 100 kg</i> Symmetric control pressure/travel	not available	0	not available	0
<i>Max. weight in flight greater than 100 kg</i> Symmetric control pressure/travel	Increasing, Greater than 65 cm	A	Increasing, Greater than 65 cm	A
5. Pitch stability exiting accelerated flight				
Dive forward angle on exit	Dive forward less than 30°	A	Dive forward less than 30°	A
Collapse occurs	No	A	No	A
6. Pitch stability operating controls during accelerated flight				
Collapse occurs	No	A	No	A
7. Roll stability and damping				
Oscillations	Reducing	A	Reducing	A
8. Stability in gentle spirals				
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
9. Behaviour in a steeply banked turn				
Sink rate after two turns	12 m/s to 14 m/s	A	More than 14 m/s	B
10. Symmetric front collapse				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°, Keeping course	A	Dive forward 0° to 30°, Keeping course	A
Cascade occurs	No	A	No	A
<i>With accelerator</i>				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°, Keeping course	A	Dive forward 0° to 30°, Keeping course	A
Cascade occurs	No	A	No	A
11. Exiting deep stall (parachutal stall)				
Deep stall achieved	Yes	A	Yes	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A
12. High angle of attack recovery				
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
13. Recovery from a developed full stall				
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 30° to 60°	B
Collapse	No collapse	A	No collapse	A
Cascade occurs (other than collapse)	No	A	No	A
Rocking back	Less than 45°	A	Less than 45°	A
Line tension	Most line tight	A	Most line tight	A
14. Asymmetric collapse				
<i>With 50% collapse-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	Less than 90°, Dive or roll angle 0° to 15°	A	Less than 90°, Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 75% collapse-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°	A	90° to 180°, Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
<i>With 50% collapse and accelerator-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°	A	Less than 90°, Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A

<i>With 75% collapse and accelerator-Maximum dive forward or roll angle</i>				
Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°	A	90° to 180°, Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No	A	No	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
15. Directional control with a maintained asymmetric collapse				
Able to keep course	Yes	A	Yes	A
180° turn away from the collapsed side possible in 10 s	Yes	A	Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency				
Spin occurs	No	A	No	A
17. Low speed spin tendency				
Spin occurs	No	A	No	A
18. Recovery from a developed spin				
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in less than 90°	A
Cascade occurs	No	A	No	A
19. B-line stall				
Change of course before release	Change of course less than 45°	A	Change of course less than 45°	A
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Cascade occurs	No	A	No	A
20. Big ears				
Entry procedure	Standard technique	A	Standard technique	A
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
21. Big ears in accelerated flight				
Entry procedure	Standard technique	A	Standard technique	A
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Behaviour exiting a steep spiral				
Tendency to return to straight flight	Spontaneous exit	A	Spontaneous exit	A
Turn angle to recover normal flight	Less than 720°,spontaneous recovery	A	Less than 720°,spontaneous recovery	A
Sink rate when evaluating spiral stability [m/s]	14 m/s		17 m/s	
23. Alternative means of directional control				
180° turn achievable in 20 s	Yes	A	Yes	A
Stall or spin occurs	No	A	No	A
24. Any other flight procedure and/or configuration described in the user's manual				
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
Comments of test pilot				
Comments	no		No	



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LOAD TEST REPORT EN 926-1:1995

*The model describe hereafter is in conformity with the load and shock tests carried out by:
Air Turquoise, official test laboratory of Switzerland*

Manufacturer:	Sky Paragliders
Model:	Atis 2
Type:	XL
Maximum weight in flight:	167 kg

SHOCK TEST

750 daN

The model had no appearances damage to question whether it's airworthiness.

MECHANICAL RESISTANCE TEST

The model had been tested to 8G of it's total weight in flight during 5 sec.

Villeneuve, June 7th, 2006

Air Turquoise,

Alain Zoller / Randi Eriksen

